

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1102A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1102.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 10:32.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 1280

Independe 0.02

Independe -6.52

Independe Sec

Time	Angle	Force	LiftgateMo	StrutCal	Displacement
Sec	Degrees	lbs	volts	inches	
-6.52E+00	7.58E+01	9.40E-01	-2.08E-02	0.00E+00	
-6.50E+00	7.58E+01	9.40E-01	-2.44E-03	0.00E+00	
-6.48E+00	7.58E+01	8.79E-01	-1.71E-02	0.00E+00	
-6.46E+00	7.58E+01	9.25E-01	-1.71E-02	0.00E+00	
-6.44E+00	7.58E+01	8.48E-01	-1.71E-02	0.00E+00	
-6.42E+00	7.57E+01	1.12E+00	-1.10E-02	0.00E+00	
-6.40E+00	7.58E+01	9.09E-01	-1.22E-02	0.00E+00	
-6.38E+00	7.58E+01	5.73E-01	-3.05E-02	0.00E+00	
-6.36E+00	7.59E+01	8.94E-01	1.22E-02	0.00E+00	
-6.34E+00	7.58E+01	1.03E+00	-2.20E-02	0.00E+00	
-6.32E+00	7.58E+01	8.48E-01	-2.69E-02	0.00E+00	
-6.30E+00	7.58E+01	8.48E-01	-1.46E-02	0.00E+00	
-6.28E+00	7.58E+01	8.18E-01	-1.10E-02	0.00E+00	
-6.26E+00	7.58E+01	9.70E-01	-2.44E-02	0.00E+00	
-6.24E+00	7.58E+01	9.55E-01	-2.69E-02	0.00E+00	
-6.22E+00	7.58E+01	8.79E-01	-4.88E-03	0.00E+00	
-6.20E+00	7.59E+01	8.02E-01	-2.69E-02	0.00E+00	
-6.18E+00	7.59E+01	9.09E-01	-3.91E-02	0.00E+00	
-6.16E+00	7.58E+01	9.09E-01	-1.46E-02	0.00E+00	
-6.14E+00	7.58E+01	1.02E+00	-1.59E-02	0.00E+00	
-6.12E+00	7.56E+01	7.26E-01	-1.34E-02	0.00E+00	
-6.10E+00	7.58E+01	8.63E-01	-2.93E-02	0.00E+00	
-6.08E+00	7.59E+01	1.06E+00	1.46E-02	0.00E+00	
-6.06E+00	7.57E+01	8.48E-01	-2.20E-02	0.00E+00	
-6.04E+00	7.58E+01	9.86E-01	-1.59E-02	0.00E+00	
-6.02E+00	7.58E+01	7.56E-01	-3.30E-02	0.00E+00	
-6.00E+00	7.59E+01	9.70E-01	-2.81E-02	0.00E+00	
-5.98E+00	7.57E+01	9.40E-01	-1.22E-02	0.00E+00	
-5.96E+00	7.57E+01	9.86E-01	-7.32E-03	0.00E+00	
-5.94E+00	7.58E+01	1.00E+00	-1.46E-02	0.00E+00	
-5.92E+00	7.57E+01	6.65E-01	-1.71E-02	0.00E+00	

-5.90E+00	7.58E+01	9.70E-01	-1.83E-02	0.00E+00
-5.88E+00	7.58E+01	8.94E-01	-1.95E-02	0.00E+00
-5.86E+00	7.58E+01	1.09E+00	-1.71E-02	0.00E+00
-5.84E+00	7.58E+01	9.70E-01	-7.32E-03	0.00E+00
-5.82E+00	7.58E+01	1.17E+00	-1.46E-02	0.00E+00
-5.80E+00	7.58E+01	9.09E-01	-1.46E-02	0.00E+00
-5.78E+00	7.56E+01	8.33E-01	-8.54E-03	0.00E+00
-5.76E+00	7.58E+01	6.34E-01	-2.81E-02	0.00E+00
-5.74E+00	7.58E+01	1.03E+00	-4.88E-03	0.00E+00
-5.72E+00	7.58E+01	8.48E-01	1.10E-02	0.00E+00
-5.70E+00	7.59E+01	8.18E-01	-2.69E-02	0.00E+00
-5.68E+00	7.58E+01	9.40E-01	-6.10E-03	0.00E+00
-5.66E+00	7.58E+01	7.26E-01	-1.34E-02	0.00E+00
-5.64E+00	7.59E+01	8.94E-01	-2.08E-02	0.00E+00
-5.62E+00	7.58E+01	1.00E+00	6.10E-03	0.00E+00
-5.60E+00	7.60E+01	9.70E-01	-1.95E-02	0.00E+00
-5.58E+00	7.58E+01	1.08E+00	-9.77E-03	0.00E+00
-5.56E+00	7.59E+01	8.63E-01	-1.22E-02	0.00E+00
-5.54E+00	7.58E+01	8.63E-01	-1.46E-02	0.00E+00
-5.52E+00	7.58E+01	8.33E-01	-1.95E-02	0.00E+00
-5.50E+00	7.59E+01	8.79E-01	-2.20E-02	0.00E+00
-5.48E+00	7.57E+01	8.48E-01	-2.20E-02	0.00E+00
-5.46E+00	7.58E+01	8.18E-01	-2.20E-02	0.00E+00
-5.44E+00	7.58E+01	8.33E-01	-7.32E-03	0.00E+00
-5.42E+00	7.58E+01	1.00E+00	-1.46E-02	0.00E+00
-5.40E+00	7.59E+01	1.03E+00	-2.44E-03	0.00E+00
-5.38E+00	7.58E+01	7.87E-01	-3.17E-02	0.00E+00
-5.36E+00	7.59E+01	1.00E+00	-2.44E-02	0.00E+00
-5.34E+00	7.58E+01	8.48E-01	-2.44E-03	0.00E+00
-5.32E+00	7.57E+01	9.09E-01	-4.64E-02	0.00E+00
-5.30E+00	7.58E+01	8.79E-01	-9.77E-03	0.00E+00
-5.28E+00	7.58E+01	8.79E-01	-1.10E-02	0.00E+00
-5.26E+00	7.60E+01	1.00E+00	-8.54E-03	0.00E+00
-5.24E+00	7.57E+01	7.87E-01	-1.95E-02	0.00E+00
-5.22E+00	7.58E+01	6.03E-01	-2.69E-02	0.00E+00
-5.20E+00	7.58E+01	9.40E-01	-1.34E-02	0.00E+00
-5.18E+00	7.58E+01	6.65E-01	-3.17E-02	0.00E+00
-5.16E+00	7.58E+01	1.15E+00	-8.54E-03	0.00E+00
-5.14E+00	7.58E+01	8.18E-01	-2.44E-03	0.00E+00
-5.12E+00	7.58E+01	9.09E-01	-2.08E-02	0.00E+00
-5.10E+00	7.57E+01	8.02E-01	-7.32E-03	0.00E+00
-5.08E+00	7.59E+01	9.86E-01	-2.32E-02	0.00E+00
-5.06E+00	7.58E+01	9.86E-01	-1.22E-02	0.00E+00
-5.04E+00	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
-5.02E+00	7.59E+01	1.00E+00	2.44E-03	0.00E+00
-5.00E+00	7.58E+01	8.33E-01	-1.95E-02	0.00E+00
-4.98E+00	7.59E+01	9.70E-01	-1.59E-02	0.00E+00

-4.96E+00	7.58E+01	8.18E-01	-1.10E-02	0.00E+00
-4.94E+00	7.57E+01	9.09E-01	-1.71E-02	0.00E+00
-4.92E+00	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-4.90E+00	7.59E+01	9.09E-01	-3.91E-02	0.00E+00
-4.88E+00	7.57E+01	1.00E+00	-1.10E-02	0.00E+00
-4.86E+00	7.59E+01	1.25E+00	-1.22E-02	0.00E+00
-4.84E+00	7.58E+01	9.55E-01	-1.22E-02	0.00E+00
-4.82E+00	7.58E+01	8.94E-01	-1.95E-02	0.00E+00
-4.80E+00	7.58E+01	1.06E+00	-1.10E-02	0.00E+00
-4.78E+00	7.58E+01	9.70E-01	4.88E-03	0.00E+00
-4.76E+00	7.58E+01	1.03E+00	-1.95E-02	0.00E+00
-4.74E+00	7.58E+01	1.18E+00	-6.10E-03	0.00E+00
-4.72E+00	7.58E+01	8.48E-01	-1.34E-02	0.00E+00
-4.70E+00	7.58E+01	9.55E-01	-1.71E-02	0.00E+00
-4.68E+00	7.58E+01	8.18E-01	-2.20E-02	0.00E+00
-4.66E+00	7.58E+01	1.12E+00	-1.22E-02	0.00E+00
-4.64E+00	7.58E+01	1.20E+00	-2.20E-02	0.00E+00
-4.62E+00	7.58E+01	9.40E-01	-7.32E-03	0.00E+00
-4.60E+00	7.59E+01	9.70E-01	-1.34E-02	0.00E+00
-4.58E+00	7.59E+01	8.79E-01	-1.71E-02	0.00E+00
-4.56E+00	7.57E+01	8.48E-01	-1.46E-02	0.00E+00
-4.54E+00	7.57E+01	1.00E+00	2.44E-03	0.00E+00
-4.52E+00	7.58E+01	8.79E-01	-1.10E-02	0.00E+00
-4.50E+00	7.58E+01	9.09E-01	-2.93E-02	0.00E+00
-4.48E+00	7.57E+01	8.63E-01	-8.54E-03	0.00E+00
-4.46E+00	7.58E+01	7.26E-01	-2.93E-02	0.00E+00
-4.44E+00	7.59E+01	1.34E+00	-9.77E-03	0.00E+00
-4.42E+00	7.58E+01	9.09E-01	-3.66E-02	0.00E+00
-4.40E+00	7.58E+01	8.33E-01	-1.59E-02	0.00E+00
-4.38E+00	7.57E+01	8.48E-01	-1.71E-02	0.00E+00
-4.36E+00	7.60E+01	1.02E+00	-2.44E-03	0.00E+00
-4.34E+00	7.58E+01	9.09E-01	-9.77E-03	0.00E+00
-4.32E+00	7.58E+01	8.79E-01	-2.69E-02	0.00E+00
-4.30E+00	7.58E+01	1.09E+00	4.88E-03	0.00E+00
-4.28E+00	7.57E+01	7.56E-01	-1.95E-02	0.00E+00
-4.26E+00	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
-4.24E+00	7.57E+01	8.48E-01	-9.77E-03	0.00E+00
-4.22E+00	7.59E+01	1.00E+00	-2.93E-02	0.00E+00
-4.20E+00	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
-4.18E+00	7.59E+01	1.00E+00	0.00E+00	0.00E+00
-4.16E+00	7.56E+01	9.70E-01	-9.77E-03	0.00E+00
-4.14E+00	7.59E+01	8.18E-01	-3.30E-02	0.00E+00
-4.12E+00	7.57E+01	9.70E-01	-2.44E-03	0.00E+00
-4.10E+00	7.58E+01	9.40E-01	-2.20E-02	0.00E+00
-4.08E+00	7.59E+01	1.18E+00	-1.83E-02	0.00E+00
-4.06E+00	7.58E+01	7.87E-01	-3.42E-02	0.00E+00
-4.04E+00	7.58E+01	9.70E-01	-1.10E-02	0.00E+00

-4.02E+00	7.58E+01	6.95E-01	-2.08E-02	0.00E+00
-4.00E+00	7.59E+01	1.06E+00	-9.77E-03	0.00E+00
-3.98E+00	7.59E+01	8.18E-01	-8.54E-03	0.00E+00
-3.96E+00	7.58E+01	8.48E-01	-2.20E-02	0.00E+00
-3.94E+00	7.58E+01	8.79E-01	2.44E-03	0.00E+00
-3.92E+00	7.59E+01	1.00E+00	-1.95E-02	0.00E+00
-3.90E+00	7.58E+01	8.79E-01	-1.46E-02	0.00E+00
-3.88E+00	7.57E+01	9.70E-01	-1.95E-02	0.00E+00
-3.86E+00	7.58E+01	8.18E-01	-1.22E-02	0.00E+00
-3.84E+00	7.58E+01	7.72E-01	-2.32E-02	0.00E+00
-3.82E+00	7.57E+01	9.70E-01	-7.32E-03	0.00E+00
-3.80E+00	7.58E+01	1.00E+00	-3.66E-02	0.00E+00
-3.78E+00	7.59E+01	1.28E+00	-4.88E-03	0.00E+00
-3.76E+00	7.58E+01	8.63E-01	-2.69E-02	0.00E+00
-3.74E+00	7.57E+01	8.63E-01	-1.95E-02	0.00E+00
-3.72E+00	7.57E+01	6.95E-01	-1.34E-02	0.00E+00
-3.70E+00	7.59E+01	8.63E-01	-2.44E-03	0.00E+00
-3.68E+00	7.56E+01	8.18E-01	-1.59E-02	0.00E+00
-3.66E+00	7.58E+01	8.48E-01	-2.20E-02	0.00E+00
-3.64E+00	7.59E+01	1.03E+00	-2.93E-02	0.00E+00
-3.62E+00	7.57E+01	9.25E-01	-1.71E-02	0.00E+00
-3.60E+00	7.59E+01	8.94E-01	-2.44E-02	0.00E+00
-3.58E+00	7.58E+01	1.03E+00	-2.32E-02	0.00E+00
-3.56E+00	7.59E+01	9.09E-01	-2.32E-02	0.00E+00
-3.54E+00	7.57E+01	6.49E-01	-1.22E-02	0.00E+00
-3.52E+00	7.59E+01	8.02E-01	-1.95E-02	0.00E+00
-3.50E+00	7.57E+01	9.86E-01	1.22E-03	0.00E+00
-3.48E+00	7.58E+01	6.65E-01	-2.20E-02	0.00E+00
-3.46E+00	7.58E+01	1.09E+00	-3.78E-02	0.00E+00
-3.44E+00	7.59E+01	9.40E-01	-1.46E-02	0.00E+00
-3.42E+00	7.58E+01	9.86E-01	-1.71E-02	0.00E+00
-3.40E+00	7.58E+01	8.48E-01	-2.69E-02	0.00E+00
-3.38E+00	7.59E+01	9.86E-01	-2.08E-02	0.00E+00
-3.36E+00	7.58E+01	1.02E+00	-1.95E-02	0.00E+00
-3.34E+00	7.58E+01	8.79E-01	-1.71E-02	0.00E+00
-3.32E+00	7.58E+01	9.40E-01	2.44E-03	0.00E+00
-3.30E+00	7.58E+01	7.72E-01	-1.71E-02	0.00E+00
-3.28E+00	7.59E+01	8.48E-01	-1.22E-02	0.00E+00
-3.26E+00	7.56E+01	8.79E-01	-2.44E-03	0.00E+00
-3.24E+00	7.59E+01	7.87E-01	-1.59E-02	0.00E+00
-3.22E+00	7.58E+01	7.26E-01	-1.83E-02	0.00E+00
-3.20E+00	7.58E+01	9.40E-01	-3.17E-02	0.00E+00
-3.18E+00	7.58E+01	7.41E-01	-8.54E-03	0.00E+00
-3.16E+00	7.58E+01	8.33E-01	-2.44E-02	0.00E+00
-3.14E+00	7.57E+01	9.70E-01	-3.91E-02	0.00E+00
-3.12E+00	7.57E+01	8.18E-01	-7.32E-03	0.00E+00
-3.10E+00	7.59E+01	9.09E-01	-2.20E-02	0.00E+00

-3.08E+00	7.58E+01	1.00E+00	0.00E+00	0.00E+00
-3.06E+00	7.58E+01	9.09E-01	-2.08E-02	0.00E+00
-3.04E+00	7.59E+01	1.15E+00	-1.59E-02	0.00E+00
-3.02E+00	7.58E+01	8.18E-01	-2.69E-02	0.00E+00
-3.00E+00	7.57E+01	8.79E-01	-1.71E-02	0.00E+00
-2.98E+00	7.58E+01	1.17E+00	-7.32E-03	0.00E+00
-2.96E+00	7.59E+01	9.70E-01	-2.44E-03	0.00E+00
-2.94E+00	7.56E+01	1.03E+00	-9.77E-03	0.00E+00
-2.92E+00	7.57E+01	8.94E-01	-1.46E-02	0.00E+00
-2.90E+00	7.57E+01	9.09E-01	-1.46E-02	0.00E+00
-2.88E+00	7.58E+01	7.41E-01	-1.71E-02	0.00E+00
-2.86E+00	7.59E+01	1.05E+00	-2.69E-02	0.00E+00
-2.84E+00	7.57E+01	9.40E-01	-4.88E-03	0.00E+00
-2.82E+00	7.58E+01	8.94E-01	-3.42E-02	0.00E+00
-2.80E+00	7.58E+01	1.06E+00	-2.44E-03	0.00E+00
-2.78E+00	7.58E+01	8.48E-01	-1.95E-02	0.00E+00
-2.76E+00	7.60E+01	1.02E+00	-4.88E-03	0.00E+00
-2.74E+00	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-2.72E+00	7.58E+01	9.09E-01	-2.20E-02	0.00E+00
-2.70E+00	7.58E+01	8.48E-01	-9.77E-03	0.00E+00
-2.68E+00	7.59E+01	7.56E-01	-2.20E-02	0.00E+00
-2.66E+00	7.58E+01	8.63E-01	-7.32E-03	0.00E+00
-2.64E+00	7.60E+01	9.25E-01	-2.20E-02	0.00E+00
-2.62E+00	7.59E+01	8.63E-01	-1.22E-02	0.00E+00
-2.60E+00	7.58E+01	7.87E-01	-2.44E-02	0.00E+00
-2.58E+00	7.57E+01	1.12E+00	1.22E-03	0.00E+00
-2.56E+00	7.58E+01	9.40E-01	-1.46E-02	0.00E+00
-2.54E+00	7.59E+01	9.40E-01	-2.20E-02	0.00E+00
-2.52E+00	7.58E+01	9.25E-01	1.34E-02	0.00E+00
-2.50E+00	7.59E+01	9.86E-01	-2.69E-02	0.00E+00
-2.48E+00	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-2.46E+00	7.58E+01	9.09E-01	-2.08E-02	0.00E+00
-2.44E+00	7.58E+01	1.08E+00	-6.10E-03	0.00E+00
-2.42E+00	7.58E+01	9.09E-01	-1.95E-02	0.00E+00
-2.40E+00	7.57E+01	8.48E-01	-1.95E-02	0.00E+00
-2.38E+00	7.58E+01	8.02E-01	-2.44E-02	0.00E+00
-2.36E+00	7.58E+01	8.63E-01	-2.44E-03	0.00E+00
-2.34E+00	7.57E+01	8.33E-01	-2.69E-02	0.00E+00
-2.32E+00	7.58E+01	9.09E-01	-1.95E-02	0.00E+00
-2.30E+00	7.57E+01	7.41E-01	-1.59E-02	0.00E+00
-2.28E+00	7.58E+01	9.09E-01	-2.08E-02	0.00E+00
-2.26E+00	7.56E+01	8.48E-01	-1.46E-02	0.00E+00
-2.24E+00	7.58E+01	1.05E+00	-2.69E-02	0.00E+00
-2.22E+00	7.58E+01	9.40E-01	2.44E-03	0.00E+00
-2.20E+00	7.57E+01	8.48E-01	-2.69E-02	0.00E+00
-2.18E+00	7.58E+01	6.03E-01	-1.46E-02	0.00E+00
-2.16E+00	7.58E+01	8.79E-01	-3.17E-02	0.00E+00

-2.14E+00	7.58E+01	1.03E+00	-1.46E-02	0.00E+00
-2.12E+00	7.58E+01	9.09E-01	-8.54E-03	0.00E+00
-2.10E+00	7.58E+01	9.86E-01	-1.46E-02	0.00E+00
-2.08E+00	7.58E+01	9.09E-01	-3.78E-02	0.00E+00
-2.06E+00	7.59E+01	8.02E-01	-1.22E-02	0.00E+00
-2.04E+00	7.58E+01	8.79E-01	-7.32E-03	0.00E+00
-2.02E+00	7.59E+01	8.48E-01	-2.44E-03	0.00E+00
-2.00E+00	7.58E+01	1.03E+00	-8.54E-03	0.00E+00
-1.98E+00	7.58E+01	1.00E+00	-2.08E-02	0.00E+00
-1.96E+00	7.58E+01	1.09E+00	-1.46E-02	0.00E+00
-1.94E+00	7.58E+01	9.86E-01	-1.83E-02	0.00E+00
-1.92E+00	7.59E+01	8.63E-01	-1.46E-02	0.00E+00
-1.90E+00	7.58E+01	8.48E-01	-1.46E-02	0.00E+00
-1.88E+00	7.58E+01	7.56E-01	-1.71E-02	0.00E+00
-1.86E+00	7.58E+01	8.33E-01	-2.20E-02	0.00E+00
-1.84E+00	7.58E+01	1.06E+00	4.88E-03	0.00E+00
-1.82E+00	7.58E+01	8.94E-01	-1.71E-02	0.00E+00
-1.80E+00	7.59E+01	1.12E+00	-2.69E-02	0.00E+00
-1.78E+00	7.59E+01	8.18E-01	-1.46E-02	0.00E+00
-1.76E+00	7.59E+01	7.87E-01	-3.17E-02	0.00E+00
-1.74E+00	7.58E+01	9.09E-01	-4.88E-03	0.00E+00
-1.72E+00	7.59E+01	9.40E-01	-1.95E-02	0.00E+00
-1.70E+00	7.57E+01	6.95E-01	-1.22E-02	0.00E+00
-1.68E+00	7.58E+01	9.25E-01	-2.44E-02	0.00E+00
-1.66E+00	7.59E+01	8.79E-01	-2.81E-02	0.00E+00
-1.64E+00	7.59E+01	9.86E-01	-1.83E-02	0.00E+00
-1.62E+00	7.58E+01	7.72E-01	-2.20E-02	0.00E+00
-1.60E+00	7.58E+01	9.40E-01	-1.22E-02	0.00E+00
-1.58E+00	7.57E+01	8.02E-01	-9.77E-03	0.00E+00
-1.56E+00	7.59E+01	7.87E-01	-2.32E-02	0.00E+00
-1.54E+00	7.57E+01	8.48E-01	-6.10E-03	0.00E+00
-1.52E+00	7.59E+01	9.70E-01	-3.42E-02	0.00E+00
-1.50E+00	7.58E+01	1.08E+00	-7.32E-03	0.00E+00
-1.48E+00	7.58E+01	8.79E-01	-3.66E-02	0.00E+00
-1.46E+00	7.59E+01	8.79E-01	-1.71E-02	0.00E+00
-1.44E+00	7.57E+01	6.03E-01	-2.20E-02	0.00E+00
-1.42E+00	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
-1.40E+00	7.56E+01	8.48E-01	-1.46E-02	0.00E+00
-1.38E+00	7.58E+01	1.03E+00	-1.83E-02	0.00E+00
-1.36E+00	7.57E+01	9.09E-01	-1.95E-02	0.00E+00
-1.34E+00	7.57E+01	9.55E-01	-3.54E-02	0.00E+00
-1.32E+00	7.58E+01	8.18E-01	-1.71E-02	0.00E+00
-1.30E+00	7.58E+01	1.22E+00	-1.95E-02	0.00E+00
-1.28E+00	7.59E+01	9.70E-01	0.00E+00	0.00E+00
-1.26E+00	7.58E+01	8.94E-01	-2.20E-02	0.00E+00
-1.24E+00	7.58E+01	1.06E+00	-2.81E-02	0.00E+00
-1.22E+00	7.59E+01	9.70E-01	-3.17E-02	0.00E+00

-1.20E+00	7.57E+01	1.05E+00	-1.22E-02	0.00E+00
-1.18E+00	7.59E+01	1.03E+00	-2.20E-02	0.00E+00
-1.16E+00	7.57E+01	7.87E-01	-3.17E-02	0.00E+00
-1.14E+00	7.58E+01	7.56E-01	-2.32E-02	0.00E+00
-1.12E+00	7.57E+01	9.09E-01	-4.88E-03	0.00E+00
-1.10E+00	7.60E+01	8.79E-01	-2.44E-03	0.00E+00
-1.08E+00	7.58E+01	8.79E-01	-9.77E-03	0.00E+00
-1.06E+00	7.58E+01	6.65E-01	-3.42E-02	0.00E+00
-1.04E+00	7.57E+01	9.09E-01	-1.95E-02	0.00E+00
-1.02E+00	7.58E+01	9.09E-01	-2.20E-02	0.00E+00
-1.00E+00	7.58E+01	1.15E+00	-2.20E-02	0.00E+00
-9.80E-01	7.58E+01	8.18E-01	-4.39E-02	0.00E+00
-9.60E-01	7.58E+01	1.12E+00	-4.88E-03	0.00E+00
-9.40E-01	7.58E+01	9.09E-01	-2.44E-02	0.00E+00
-9.20E-01	7.57E+01	9.70E-01	-2.93E-02	0.00E+00
-9.00E-01	7.58E+01	9.09E-01	-1.95E-02	0.00E+00
-8.80E-01	7.59E+01	1.00E+00	-2.93E-02	0.00E+00
-8.60E-01	7.56E+01	8.94E-01	-3.42E-02	0.00E+00
-8.40E-01	7.59E+01	9.09E-01	-2.56E-02	0.00E+00
-8.20E-01	7.57E+01	1.11E+00	-4.88E-03	0.00E+00
-8.00E-01	7.58E+01	8.79E-01	-9.77E-03	0.00E+00
-7.80E-01	7.59E+01	9.09E-01	-9.77E-03	0.00E+00
-7.60E-01	7.58E+01	5.27E-01	-1.46E-02	0.00E+00
-7.40E-01	7.56E+01	1.00E+00	-1.22E-02	0.00E+00
-7.20E-01	7.53E+01	9.25E-01	-1.10E-02	0.00E+00
-7.00E-01	7.54E+01	1.03E+00	-1.95E-02	0.00E+00
-6.80E-01	7.51E+01	7.87E-01	-1.22E-02	0.00E+00
-6.60E-01	7.53E+01	8.79E-01	-1.95E-02	0.00E+00
-6.40E-01	7.54E+01	8.18E-01	-8.54E-03	0.00E+00
-6.20E-01	7.58E+01	1.00E+00	-3.78E-02	0.00E+00
-6.00E-01	7.57E+01	8.33E-01	-1.22E-02	0.00E+00
-5.80E-01	7.59E+01	1.15E+00	-1.71E-02	0.00E+00
-5.60E-01	7.58E+01	1.03E+00	-4.88E-03	0.00E+00
-5.40E-01	7.60E+01	8.79E-01	-8.54E-03	0.00E+00
-5.20E-01	7.58E+01	7.56E-01	-1.71E-02	0.00E+00
-5.00E-01	7.58E+01	9.09E-01	-7.32E-03	0.00E+00
-4.80E-01	7.56E+01	9.70E-01	-9.77E-03	0.00E+00
-4.60E-01	7.57E+01	8.63E-01	-1.83E-02	0.00E+00
-4.40E-01	7.57E+01	7.26E-01	-1.95E-02	0.00E+00
-4.20E-01	7.55E+01	7.56E-01	-2.20E-02	0.00E+00
-4.00E-01	7.53E+01	1.11E+00	-2.44E-03	0.00E+00
-3.80E-01	7.54E+01	8.18E-01	-3.42E-02	0.00E+00
-3.60E-01	7.53E+01	1.05E+00	-1.46E-02	0.00E+00
-3.40E-01	7.52E+01	6.95E-01	-2.93E-02	0.00E+00
-3.20E-01	7.53E+01	9.40E-01	-1.22E-02	0.00E+00
-3.00E-01	7.54E+01	8.79E-01	-4.88E-03	0.00E+00
-2.80E-01	7.53E+01	8.18E-01	-2.32E-02	0.00E+00

-2.60E-01	7.53E+01	7.41E-01	-1.34E-02	0.00E+00
-2.40E-01	7.53E+01	8.02E-01	-6.10E-03	0.00E+00
-2.20E-01	7.53E+01	8.48E-01	-1.71E-02	0.00E+00
-2.00E-01	7.53E+01	8.48E-01	-2.32E-02	0.00E+00
-1.80E-01	7.51E+01	1.00E+00	1.22E-02	0.00E+00
-1.60E-01	7.52E+01	9.40E-01	-2.20E-02	0.00E+00
-1.40E-01	7.49E+01	9.86E-01	-2.44E-02	0.00E+00
-1.20E-01	7.46E+01	1.03E+00	-1.22E-03	0.00E+00
-1.00E-01	7.47E+01	1.06E+00	2.44E-03	0.00E+00
-8.00E-02	7.47E+01	6.03E-01	-1.95E-02	0.00E+00
-6.00E-02	7.48E+01	9.09E-01	-2.44E-02	0.00E+00
-4.00E-02	7.45E+01	8.48E-01	6.10E-03	0.00E+00
-2.00E-02	7.42E+01	8.79E-01	-2.56E-02	0.00E+00
0.00E+00	7.41E+01	6.95E-01	-9.77E-03	0.00E+00
2.00E-02	7.42E+01	7.87E-01	4.88E-03	0.00E+00
4.00E-02	7.39E+01	7.87E-01	-9.77E-03	0.00E+00
6.00E-02	7.36E+01	8.48E-01	-2.44E-02	0.00E+00
8.00E-02	7.36E+01	9.09E-01	9.77E-03	0.00E+00
1.00E-01	7.33E+01	7.26E-01	-2.44E-02	0.00E+00
1.20E-01	7.29E+01	9.40E-01	1.22E-03	0.00E+00
1.40E-01	7.29E+01	8.79E-01	-2.93E-02	0.00E+00
1.60E-01	7.30E+01	9.09E-01	-1.59E-02	0.00E+00
1.80E-01	7.24E+01	6.65E-01	-1.71E-02	0.00E+00
2.00E-01	7.25E+01	9.55E-01	-1.34E-02	0.00E+00
2.20E-01	7.21E+01	8.48E-01	-1.22E-02	0.00E+00
2.40E-01	7.19E+01	9.09E-01	-1.95E-02	0.00E+00
2.60E-01	7.17E+01	8.33E-01	2.44E-03	0.00E+00
2.80E-01	7.18E+01	1.14E+00	-1.46E-02	0.00E+00
3.00E-01	7.14E+01	6.34E-01	-1.46E-02	0.00E+00
3.20E-01	7.13E+01	9.55E-01	-2.32E-02	0.00E+00
3.40E-01	7.12E+01	9.70E-01	-2.69E-02	0.00E+00
3.60E-01	7.10E+01	8.79E-01	-2.32E-02	0.00E+00
3.80E-01	7.11E+01	1.03E+00	-9.77E-03	0.00E+00
4.00E-01	7.07E+01	8.63E-01	-3.42E-02	0.00E+00
4.20E-01	7.05E+01	7.26E-01	-1.22E-02	0.00E+00
4.40E-01	7.05E+01	8.94E-01	-1.46E-02	0.00E+00
4.60E-01	7.03E+01	9.55E-01	-1.10E-02	0.00E+00
4.80E-01	6.98E+01	8.48E-01	-1.71E-02	0.00E+00
5.00E-01	6.98E+01	1.06E+00	-2.44E-02	0.00E+00
5.20E-01	6.98E+01	8.18E-01	-1.22E-03	0.00E+00
5.40E-01	6.94E+01	1.02E+00	-1.22E-02	0.00E+00
5.60E-01	6.92E+01	1.15E+00	-2.20E-02	0.00E+00
5.80E-01	6.93E+01	9.09E-01	-2.44E-02	0.00E+00
6.00E-01	6.86E+01	9.09E-01	-2.20E-02	0.00E+00
6.20E-01	6.84E+01	7.87E-01	-9.77E-03	0.00E+00
6.40E-01	6.84E+01	8.48E-01	-2.69E-02	0.00E+00
6.60E-01	6.82E+01	1.06E+00	-3.91E-02	0.00E+00

6.80E-01	6.77E+01	6.65E-01	-1.59E-02	0.00E+00
7.00E-01	6.78E+01	9.70E-01	-4.88E-03	0.00E+00
7.20E-01	6.77E+01	8.94E-01	-1.34E-02	0.00E+00
7.40E-01	6.72E+01	9.70E-01	-2.56E-02	0.00E+00
7.60E-01	6.72E+01	1.00E+00	-3.42E-02	0.00E+00
7.80E-01	6.70E+01	9.70E-01	-1.83E-02	0.00E+00
8.00E-01	6.66E+01	8.18E-01	-1.22E-02	0.00E+00
8.20E-01	6.65E+01	9.09E-01	-1.95E-02	0.00E+00
8.40E-01	6.65E+01	9.25E-01	-4.88E-03	0.00E+00
8.60E-01	6.61E+01	1.02E+00	-2.56E-02	0.00E+00
8.80E-01	6.61E+01	9.70E-01	-3.17E-02	0.00E+00
9.00E-01	6.60E+01	8.48E-01	-2.08E-02	0.00E+00
9.20E-01	6.54E+01	9.55E-01	-2.44E-03	0.00E+00
9.40E-01	6.56E+01	9.40E-01	-2.20E-02	0.00E+00
9.60E-01	6.54E+01	1.00E+00	-9.77E-03	0.00E+00
9.80E-01	6.51E+01	5.58E-01	-1.95E-02	0.00E+00
1.00E+00	6.48E+01	8.48E-01	1.22E-02	0.00E+00
1.02E+00	6.48E+01	8.18E-01	-1.95E-02	0.00E+00
1.04E+00	6.45E+01	1.03E+00	-9.77E-03	0.00E+00
1.06E+00	6.44E+01	8.94E-01	-1.46E-02	0.00E+00
1.08E+00	6.43E+01	8.79E-01	-1.22E-02	0.00E+00
1.10E+00	6.38E+01	8.02E-01	-9.77E-03	0.00E+00
1.12E+00	6.37E+01	1.09E+00	-2.69E-02	0.00E+00
1.14E+00	6.36E+01	8.48E-01	-1.71E-02	0.00E+00
1.16E+00	6.34E+01	1.06E+00	-1.59E-02	0.00E+00
1.18E+00	6.31E+01	7.56E-01	-1.59E-02	0.00E+00
1.20E+00	6.30E+01	9.40E-01	-2.20E-02	0.00E+00
1.22E+00	6.25E+01	9.09E-01	-1.46E-02	0.00E+00
1.24E+00	6.25E+01	8.48E-01	-8.54E-03	0.00E+00
1.26E+00	6.24E+01	9.70E-01	-6.10E-03	0.00E+00
1.28E+00	6.21E+01	7.87E-01	-1.83E-02	0.00E+00
1.30E+00	6.19E+01	9.25E-01	-1.22E-02	0.00E+00
1.32E+00	6.21E+01	8.94E-01	-4.03E-02	0.00E+00
1.34E+00	6.16E+01	1.06E+00	-9.77E-03	0.00E+00
1.36E+00	6.14E+01	1.03E+00	-3.17E-02	0.00E+00
1.38E+00	6.14E+01	8.79E-01	4.88E-03	0.00E+00
1.40E+00	6.09E+01	8.48E-01	-1.95E-02	0.00E+00
1.42E+00	6.08E+01	9.25E-01	-4.88E-03	0.00E+00
1.44E+00	6.07E+01	9.09E-01	-1.34E-02	0.00E+00
1.46E+00	6.03E+01	8.18E-01	-2.32E-02	0.00E+00
1.48E+00	6.01E+01	6.65E-01	-9.77E-03	0.00E+00
1.50E+00	6.02E+01	1.08E+00	-1.83E-02	0.00E+00
1.52E+00	5.96E+01	8.33E-01	-1.22E-02	0.00E+00
1.54E+00	5.96E+01	9.09E-01	-2.44E-02	0.00E+00
1.56E+00	5.94E+01	8.79E-01	-9.77E-03	0.00E+00
1.58E+00	5.91E+01	9.09E-01	-1.46E-02	0.00E+00
1.60E+00	5.91E+01	1.05E+00	-1.95E-02	0.00E+00

1.62E+00	5.90E+01	9.09E-01	-2.44E-02	0.00E+00
1.64E+00	5.84E+01	9.70E-01	-3.17E-02	0.00E+00
1.66E+00	5.85E+01	9.25E-01	-1.46E-02	0.00E+00
1.68E+00	5.81E+01	9.09E-01	-1.22E-02	0.00E+00
1.70E+00	5.78E+01	8.79E-01	-1.46E-02	0.00E+00
1.72E+00	5.78E+01	1.00E+00	0.00E+00	0.00E+00
1.74E+00	5.75E+01	8.33E-01	-7.32E-03	0.00E+00
1.76E+00	5.72E+01	9.70E-01	-1.46E-02	0.00E+00
1.78E+00	5.73E+01	5.58E-01	-2.44E-02	0.00E+00
1.80E+00	5.67E+01	9.70E-01	-6.10E-03	0.00E+00
1.82E+00	5.68E+01	9.09E-01	-3.30E-02	0.00E+00
1.84E+00	5.64E+01	1.08E+00	-1.22E-02	0.00E+00
1.86E+00	5.61E+01	7.87E-01	-1.22E-02	0.00E+00
1.88E+00	5.62E+01	9.40E-01	-9.77E-03	0.00E+00
1.90E+00	5.58E+01	1.06E+00	-9.77E-03	0.00E+00
1.92E+00	5.56E+01	7.56E-01	-2.69E-02	0.00E+00
1.94E+00	5.54E+01	7.87E-01	-9.77E-03	0.00E+00
1.96E+00	5.51E+01	9.70E-01	-1.22E-02	0.00E+00
1.98E+00	5.49E+01	8.63E-01	-1.34E-02	0.00E+00
2.00E+00	5.47E+01	9.09E-01	-3.66E-02	0.00E+00
2.02E+00	5.42E+01	8.79E-01	-7.32E-03	0.00E+00
2.04E+00	5.44E+01	9.40E-01	-2.44E-02	0.00E+00
2.06E+00	5.39E+01	9.70E-01	-2.56E-02	0.00E+00
2.08E+00	5.38E+01	9.09E-01	-2.44E-02	0.00E+00
2.10E+00	5.37E+01	1.25E+00	-1.71E-02	0.00E+00
2.12E+00	5.31E+01	8.48E-01	-1.46E-02	0.00E+00
2.14E+00	5.32E+01	1.03E+00	7.32E-03	0.00E+00
2.16E+00	5.29E+01	7.87E-01	-2.69E-02	0.00E+00
2.18E+00	5.27E+01	1.28E+00	-1.59E-02	0.00E+00
2.20E+00	5.26E+01	9.09E-01	-8.54E-03	0.00E+00
2.22E+00	5.21E+01	1.00E+00	-1.95E-02	0.00E+00
2.24E+00	5.20E+01	1.11E+00	-2.44E-02	0.00E+00
2.26E+00	5.18E+01	1.00E+00	-7.32E-03	0.00E+00
2.28E+00	5.14E+01	9.55E-01	-7.32E-03	0.00E+00
2.30E+00	5.16E+01	1.00E+00	-2.44E-02	0.00E+00
2.32E+00	5.11E+01	9.09E-01	7.32E-03	0.00E+00
2.34E+00	5.09E+01	9.09E-01	-1.95E-02	0.00E+00
2.36E+00	5.09E+01	8.33E-01	-1.71E-02	0.00E+00
2.38E+00	5.03E+01	9.09E-01	-3.05E-02	0.00E+00
2.40E+00	5.03E+01	9.09E-01	-3.17E-02	0.00E+00
2.42E+00	5.02E+01	1.00E+00	-1.95E-02	0.00E+00
2.44E+00	4.97E+01	1.00E+00	-7.32E-03	0.00E+00
2.46E+00	4.98E+01	7.56E-01	-4.88E-03	0.00E+00
2.48E+00	4.95E+01	9.09E-01	-1.22E-02	0.00E+00
2.50E+00	4.91E+01	8.18E-01	-2.44E-02	0.00E+00
2.52E+00	4.91E+01	9.09E-01	-1.46E-02	0.00E+00
2.54E+00	4.85E+01	7.26E-01	-2.20E-02	0.00E+00

2.56E+00	4.86E+01	9.70E-01	-1.95E-02	0.00E+00
2.58E+00	4.82E+01	9.09E-01	-9.77E-03	0.00E+00
2.60E+00	4.80E+01	8.94E-01	-1.46E-02	0.00E+00
2.62E+00	4.79E+01	9.70E-01	-9.77E-03	0.00E+00
2.64E+00	4.77E+01	9.55E-01	-2.08E-02	0.00E+00
2.66E+00	4.74E+01	9.40E-01	-7.32E-03	0.00E+00
2.68E+00	4.74E+01	6.65E-01	-2.44E-02	0.00E+00
2.70E+00	4.69E+01	9.70E-01	-9.77E-03	0.00E+00
2.72E+00	4.67E+01	8.48E-01	-2.08E-02	0.00E+00
2.74E+00	4.65E+01	9.40E-01	-1.95E-02	0.00E+00
2.76E+00	4.61E+01	8.63E-01	-7.32E-03	0.00E+00
2.78E+00	4.60E+01	8.48E-01	-1.95E-02	0.00E+00
2.80E+00	4.56E+01	9.09E-01	-2.44E-03	0.00E+00
2.82E+00	4.57E+01	8.63E-01	-3.30E-02	0.00E+00
2.84E+00	4.52E+01	1.08E+00	-1.22E-02	0.00E+00
2.86E+00	4.51E+01	6.65E-01	-2.69E-02	0.00E+00
2.88E+00	4.49E+01	1.12E+00	-8.54E-03	0.00E+00
2.90E+00	4.44E+01	8.18E-01	-5.13E-02	0.00E+00
2.92E+00	4.44E+01	8.48E-01	-1.71E-02	0.00E+00
2.94E+00	4.39E+01	7.56E-01	-1.22E-02	0.00E+00
2.96E+00	4.40E+01	9.40E-01	-2.20E-02	0.00E+00
2.98E+00	4.34E+01	9.09E-01	-7.32E-03	0.00E+00
3.00E+00	4.34E+01	1.00E+00	-2.69E-02	0.00E+00
3.02E+00	4.31E+01	9.09E-01	0.00E+00	0.00E+00
3.04E+00	4.28E+01	8.18E-01	-2.32E-02	0.00E+00
3.06E+00	4.25E+01	8.63E-01	-9.77E-03	0.00E+00
3.08E+00	4.21E+01	8.79E-01	-1.95E-02	0.00E+00
3.10E+00	4.23E+01	1.08E+00	-1.95E-02	0.00E+00
3.12E+00	4.15E+01	1.09E+00	-7.32E-03	0.00E+00
3.14E+00	4.16E+01	9.70E-01	-1.83E-02	0.00E+00
3.16E+00	4.13E+01	8.48E-01	-9.77E-03	0.00E+00
3.18E+00	4.11E+01	1.00E+00	-3.17E-02	0.00E+00
3.20E+00	4.08E+01	9.86E-01	-4.88E-03	0.00E+00
3.22E+00	4.05E+01	8.33E-01	-1.46E-02	0.00E+00
3.24E+00	4.05E+01	1.06E+00	-1.22E-02	0.00E+00
3.26E+00	3.99E+01	9.40E-01	-2.20E-02	0.00E+00
3.28E+00	4.00E+01	1.08E+00	-1.22E-02	0.00E+00
3.30E+00	3.93E+01	8.48E-01	-1.22E-02	0.00E+00
3.32E+00	3.95E+01	1.08E+00	0.00E+00	0.00E+00
3.34E+00	3.90E+01	8.18E-01	-2.44E-02	0.00E+00
3.36E+00	3.88E+01	1.09E+00	-2.20E-02	0.00E+00
3.38E+00	3.84E+01	8.48E-01	-1.22E-02	0.00E+00
3.40E+00	3.83E+01	8.79E-01	-4.88E-03	0.00E+00
3.42E+00	3.80E+01	9.55E-01	-1.46E-02	0.00E+00
3.44E+00	3.77E+01	1.00E+00	-1.95E-02	0.00E+00
3.46E+00	3.76E+01	8.48E-01	-1.71E-02	0.00E+00
3.48E+00	3.71E+01	9.40E-01	-2.44E-02	0.00E+00

3.50E+00	3.72E+01	9.70E-01	-1.71E-02	0.00E+00
3.52E+00	3.66E+01	1.05E+00	-3.05E-02	0.00E+00
3.54E+00	3.66E+01	6.95E-01	-1.46E-02	0.00E+00
3.56E+00	3.62E+01	1.03E+00	-1.46E-02	0.00E+00
3.58E+00	3.62E+01	8.79E-01	-2.69E-02	0.00E+00
3.60E+00	3.59E+01	1.09E+00	-2.08E-02	0.00E+00
3.62E+00	3.56E+01	8.33E-01	-1.22E-02	0.00E+00
3.64E+00	3.52E+01	1.08E+00	-7.32E-03	0.00E+00
3.66E+00	3.52E+01	8.18E-01	-1.34E-02	0.00E+00
3.68E+00	3.48E+01	1.03E+00	-2.20E-02	0.00E+00
3.70E+00	3.47E+01	8.79E-01	-2.93E-02	0.00E+00
3.72E+00	3.43E+01	1.00E+00	-2.44E-02	0.00E+00
3.74E+00	3.40E+01	1.06E+00	-2.44E-03	0.00E+00
3.76E+00	3.37E+01	8.18E-01	-4.88E-02	0.00E+00
3.78E+00	3.35E+01	9.40E-01	-1.46E-02	0.00E+00
3.80E+00	3.32E+01	1.09E+00	-8.54E-03	0.00E+00
3.82E+00	3.28E+01	9.25E-01	-1.59E-02	0.00E+00
3.84E+00	3.26E+01	9.40E-01	-1.95E-02	0.00E+00
3.86E+00	3.23E+01	9.40E-01	-1.22E-02	0.00E+00
3.88E+00	3.20E+01	7.72E-01	-2.32E-02	0.00E+00
3.90E+00	3.18E+01	9.70E-01	-2.69E-02	0.00E+00
3.92E+00	3.14E+01	6.49E-01	-2.69E-02	0.00E+00
3.94E+00	3.12E+01	9.40E-01	-1.83E-02	0.00E+00
3.96E+00	3.07E+01	8.33E-01	-2.20E-02	0.00E+00
3.98E+00	3.06E+01	8.79E-01	-1.95E-02	0.00E+00
4.00E+00	3.02E+01	8.79E-01	-1.46E-02	0.00E+00
4.02E+00	2.99E+01	1.03E+00	-1.46E-02	0.00E+00
4.04E+00	2.98E+01	1.06E+00	-9.77E-03	0.00E+00
4.06E+00	2.94E+01	9.25E-01	-1.34E-02	0.00E+00
4.08E+00	2.93E+01	7.87E-01	-9.77E-03	0.00E+00
4.10E+00	2.89E+01	1.00E+00	-2.32E-02	0.00E+00
4.12E+00	2.88E+01	8.79E-01	-1.46E-02	0.00E+00
4.14E+00	2.82E+01	1.05E+00	-3.30E-02	0.00E+00
4.16E+00	2.82E+01	7.87E-01	-1.22E-02	0.00E+00
4.18E+00	2.77E+01	1.23E+00	-1.95E-02	0.00E+00
4.20E+00	2.75E+01	8.02E-01	-2.08E-02	0.00E+00
4.22E+00	2.71E+01	1.00E+00	-2.69E-02	0.00E+00
4.24E+00	2.68E+01	9.55E-01	-2.08E-02	0.00E+00
4.26E+00	2.64E+01	1.06E+00	-3.30E-02	0.00E+00
4.28E+00	2.60E+01	6.95E-01	-1.34E-02	0.00E+00
4.30E+00	2.60E+01	8.33E-01	-2.93E-02	0.00E+00
4.32E+00	2.55E+01	9.55E-01	3.66E-03	0.00E+00
4.34E+00	2.54E+01	1.03E+00	-1.83E-02	0.00E+00
4.36E+00	2.48E+01	9.70E-01	-2.44E-02	0.00E+00
4.38E+00	2.48E+01	8.79E-01	-3.17E-02	0.00E+00
4.40E+00	2.43E+01	8.18E-01	-3.42E-02	0.00E+00
4.42E+00	2.43E+01	8.18E-01	-1.71E-02	0.00E+00

4.44E+00	2.38E+01	8.79E-01	-6.10E-03	0.00E+00
4.46E+00	2.36E+01	7.87E-01	-3.42E-02	0.00E+00
4.48E+00	2.33E+01	8.48E-01	-7.32E-03	0.00E+00
4.50E+00	2.31E+01	1.00E+00	-6.10E-03	0.00E+00
4.52E+00	2.27E+01	9.40E-01	-1.46E-02	0.00E+00
4.54E+00	2.25E+01	1.25E+00	-2.81E-02	0.00E+00
4.56E+00	2.23E+01	9.25E-01	-1.46E-02	0.00E+00
4.58E+00	2.19E+01	8.79E-01	-1.83E-02	0.00E+00
4.60E+00	2.19E+01	1.23E+00	-1.46E-02	0.00E+00
4.62E+00	2.13E+01	8.33E-01	-3.42E-02	0.00E+00
4.64E+00	2.11E+01	9.40E-01	-3.66E-03	0.00E+00
4.66E+00	2.07E+01	7.56E-01	-2.08E-02	0.00E+00
4.68E+00	2.05E+01	9.09E-01	-1.59E-02	0.00E+00
4.70E+00	2.01E+01	8.02E-01	-4.88E-03	0.00E+00
4.72E+00	2.00E+01	9.09E-01	-2.44E-03	0.00E+00
4.74E+00	1.95E+01	9.09E-01	-2.44E-02	0.00E+00
4.76E+00	1.94E+01	1.03E+00	-2.20E-02	0.00E+00
4.78E+00	1.90E+01	5.73E-01	-1.71E-02	0.00E+00
4.80E+00	1.87E+01	9.40E-01	-2.44E-02	0.00E+00
4.82E+00	1.85E+01	8.79E-01	-7.32E-03	0.00E+00
4.84E+00	1.82E+01	8.48E-01	-2.32E-02	0.00E+00
4.86E+00	1.78E+01	7.87E-01	-1.46E-02	0.00E+00
4.88E+00	1.77E+01	9.25E-01	-2.56E-02	0.00E+00
4.90E+00	1.72E+01	9.86E-01	-9.77E-03	0.00E+00
4.92E+00	1.70E+01	8.48E-01	-2.44E-02	0.00E+00
4.94E+00	1.67E+01	1.00E+00	-2.44E-03	0.00E+00
4.96E+00	1.65E+01	8.18E-01	-2.93E-02	0.00E+00
4.98E+00	1.61E+01	8.48E-01	-1.10E-02	0.00E+00
5.00E+00	1.59E+01	8.79E-01	-3.91E-02	0.00E+00
5.02E+00	1.56E+01	9.70E-01	-1.71E-02	0.00E+00
5.04E+00	1.54E+01	1.00E+00	-1.22E-02	0.00E+00
5.06E+00	1.50E+01	1.03E+00	-1.46E-02	0.00E+00
5.08E+00	1.48E+01	5.73E-01	-4.88E-03	0.00E+00
5.10E+00	1.43E+01	1.03E+00	-1.46E-02	0.00E+00
5.12E+00	1.44E+01	1.00E+00	-1.95E-02	0.00E+00
5.14E+00	1.39E+01	7.56E-01	-1.22E-03	0.00E+00
5.16E+00	1.37E+01	9.40E-01	-1.34E-02	0.00E+00
5.18E+00	1.32E+01	4.66E-01	-1.95E-02	0.00E+00
5.20E+00	1.32E+01	1.03E+00	-1.46E-02	0.00E+00
5.22E+00	1.28E+01	7.56E-01	-3.30E-02	0.00E+00
5.24E+00	1.26E+01	7.10E-01	-2.20E-02	0.00E+00
5.26E+00	1.23E+01	9.40E-01	7.32E-03	0.00E+00
5.28E+00	1.20E+01	1.15E+00	-1.71E-02	0.00E+00
5.30E+00	1.17E+01	1.12E+00	-1.22E-02	0.00E+00
5.32E+00	1.16E+01	9.09E-01	-2.20E-02	0.00E+00
5.34E+00	1.12E+01	8.18E-01	-1.22E-02	0.00E+00
5.36E+00	1.09E+01	9.70E-01	-1.71E-02	0.00E+00

5.38E+00	1.07E+01	8.79E-01	-8.54E-03	0.00E+00
5.40E+00	1.03E+01	6.34E-01	-2.93E-02	0.00E+00
5.42E+00	1.02E+01	1.15E+00	-1.46E-02	0.00E+00
5.44E+00	9.71E+00	9.70E-01	-2.32E-02	0.00E+00
5.46E+00	9.61E+00	9.70E-01	-1.83E-02	0.00E+00
5.48E+00	9.07E+00	8.18E-01	-2.20E-02	0.00E+00
5.50E+00	9.20E+00	9.40E-01	-2.69E-02	0.00E+00
5.52E+00	8.78E+00	7.26E-01	-3.91E-02	0.00E+00
5.54E+00	8.54E+00	7.87E-01	-1.95E-02	0.00E+00
5.56E+00	8.44E+00	1.00E+00	-4.88E-03	0.00E+00
5.58E+00	8.68E+00	6.95E-01	-7.32E-03	0.00E+00
5.60E+00	8.50E+00	8.94E-01	-1.46E-02	0.00E+00
5.62E+00	8.52E+00	8.48E-01	-2.93E-02	0.00E+00
5.64E+00	8.50E+00	1.03E+00	-2.44E-03	0.00E+00
5.66E+00	8.81E+00	8.48E-01	7.32E-03	0.00E+00
5.68E+00	9.14E+00	8.02E-01	-2.08E-02	0.00E+00
5.70E+00	9.03E+00	9.40E-01	-1.71E-02	0.00E+00
5.72E+00	9.62E+00	7.87E-01	-2.93E-02	0.00E+00
5.74E+00	9.54E+00	9.40E-01	-1.22E-02	0.00E+00
5.76E+00	9.73E+00	1.26E+00	-1.95E-02	0.00E+00
5.78E+00	1.00E+01	1.11E+00	-2.44E-03	0.00E+00
5.80E+00	1.06E+01	7.56E-01	-2.44E-02	0.00E+00
5.82E+00	1.06E+01	9.40E-01	-1.22E-02	0.00E+00
5.84E+00	1.10E+01	9.09E-01	-1.22E-02	0.00E+00
5.86E+00	1.15E+01	1.06E+00	-1.22E-02	0.00E+00
5.88E+00	1.19E+01	9.09E-01	-2.93E-02	0.00E+00
5.90E+00	1.21E+01	8.79E-01	-3.30E-02	0.00E+00
5.92E+00	1.21E+01	1.05E+00	1.95E-02	0.00E+00
5.94E+00	1.21E+01	9.40E-01	-3.05E-02	0.00E+00
5.96E+00	1.24E+01	8.48E-01	-7.32E-03	0.00E+00
5.98E+00	1.24E+01	7.87E-01	-1.10E-02	0.00E+00
6.00E+00	1.26E+01	7.72E-01	-1.71E-02	0.00E+00
6.02E+00	1.25E+01	9.40E-01	-1.71E-02	0.00E+00
6.04E+00	1.26E+01	9.70E-01	-2.20E-02	0.00E+00
6.06E+00	1.22E+01	1.00E+00	-1.59E-02	0.00E+00
6.08E+00	1.21E+01	6.95E-01	-1.83E-02	0.00E+00
6.10E+00	1.22E+01	1.05E+00	0.00E+00	0.00E+00
6.12E+00	1.20E+01	1.00E+00	-2.20E-02	0.00E+00
6.14E+00	1.20E+01	9.25E-01	-2.20E-02	0.00E+00
6.16E+00	1.20E+01	9.09E-01	-2.44E-03	0.00E+00
6.18E+00	1.20E+01	9.70E-01	-1.71E-02	0.00E+00
6.20E+00	1.20E+01	8.18E-01	-1.83E-02	0.00E+00
6.22E+00	1.20E+01	8.18E-01	-2.69E-02	0.00E+00
6.24E+00	1.19E+01	1.03E+00	-9.77E-03	0.00E+00
6.26E+00	1.20E+01	7.72E-01	-1.95E-02	0.00E+00
6.28E+00	1.20E+01	8.48E-01	-3.30E-02	0.00E+00
6.30E+00	1.21E+01	9.86E-01	-1.22E-02	0.00E+00

6.32E+00	1.20E+01	6.95E-01	-1.59E-02	0.00E+00
6.34E+00	1.20E+01	9.40E-01	-1.22E-02	0.00E+00
6.36E+00	1.22E+01	8.48E-01	-2.08E-02	0.00E+00
6.38E+00	1.20E+01	1.18E+00	-1.22E-02	0.00E+00
6.40E+00	1.20E+01	7.56E-01	-3.17E-02	0.00E+00
6.42E+00	1.21E+01	9.86E-01	-3.42E-02	0.00E+00
6.44E+00	1.20E+01	8.79E-01	-1.22E-02	0.00E+00
6.46E+00	1.21E+01	1.31E+00	-1.95E-02	0.00E+00
6.48E+00	1.19E+01	9.40E-01	-3.66E-03	0.00E+00
6.50E+00	1.19E+01	9.09E-01	-2.69E-02	0.00E+00
6.52E+00	1.20E+01	1.00E+00	-1.71E-02	0.00E+00
6.54E+00	1.20E+01	7.56E-01	-2.93E-02	0.00E+00
6.56E+00	1.21E+01	8.18E-01	-1.10E-02	0.00E+00
6.58E+00	1.19E+01	7.10E-01	-9.77E-03	0.00E+00
6.60E+00	1.20E+01	9.70E-01	-1.71E-02	0.00E+00
6.62E+00	1.18E+01	8.48E-01	-8.54E-03	0.00E+00
6.64E+00	1.20E+01	9.09E-01	-2.44E-02	0.00E+00
6.66E+00	1.20E+01	8.63E-01	-1.59E-02	0.00E+00
6.68E+00	1.21E+01	9.70E-01	-9.77E-03	0.00E+00
6.70E+00	1.20E+01	1.03E+00	-9.77E-03	0.00E+00
6.72E+00	1.20E+01	9.09E-01	-1.46E-02	0.00E+00
6.74E+00	1.19E+01	1.03E+00	-2.44E-03	0.00E+00
6.76E+00	1.19E+01	9.09E-01	-1.83E-02	0.00E+00
6.78E+00	1.20E+01	1.08E+00	-2.20E-02	0.00E+00
6.80E+00	1.19E+01	7.87E-01	-3.30E-02	0.00E+00
6.82E+00	1.22E+01	9.40E-01	-2.08E-02	0.00E+00
6.84E+00	1.19E+01	1.03E+00	-9.77E-03	0.00E+00
6.86E+00	1.20E+01	9.40E-01	-1.22E-02	0.00E+00
6.88E+00	1.19E+01	8.94E-01	-8.54E-03	0.00E+00
6.90E+00	1.20E+01	1.00E+00	-1.59E-02	0.00E+00
6.92E+00	1.20E+01	9.09E-01	-9.77E-03	0.00E+00
6.94E+00	1.18E+01	9.09E-01	2.44E-03	0.00E+00
6.96E+00	1.20E+01	1.00E+00	-1.95E-02	0.00E+00
6.98E+00	1.19E+01	7.26E-01	-7.32E-03	0.00E+00
7.00E+00	1.20E+01	9.86E-01	-2.44E-02	0.00E+00
7.02E+00	1.20E+01	9.09E-01	-1.59E-02	0.00E+00
7.04E+00	1.19E+01	7.41E-01	-9.77E-03	0.00E+00
7.06E+00	1.20E+01	1.05E+00	-2.44E-03	0.00E+00
7.08E+00	1.19E+01	9.09E-01	-1.22E-02	0.00E+00
7.10E+00	1.20E+01	9.25E-01	-2.32E-02	0.00E+00
7.12E+00	1.20E+01	1.02E+00	-9.77E-03	0.00E+00
7.14E+00	1.19E+01	9.70E-01	-1.59E-02	0.00E+00
7.16E+00	1.20E+01	9.40E-01	-1.46E-02	0.00E+00
7.18E+00	1.19E+01	8.79E-01	-6.10E-03	0.00E+00
7.20E+00	1.20E+01	9.70E-01	-2.69E-02	0.00E+00
7.22E+00	1.20E+01	8.94E-01	-9.77E-03	0.00E+00
7.24E+00	1.20E+01	1.03E+00	-2.20E-02	0.00E+00

7.26E+00	1.20E+01	9.40E-01	-4.88E-03	0.00E+00
7.28E+00	1.20E+01	8.94E-01	-7.32E-03	0.00E+00
7.30E+00	1.20E+01	9.55E-01	-1.71E-02	0.00E+00
7.32E+00	1.20E+01	1.11E+00	-2.44E-02	0.00E+00
7.34E+00	1.21E+01	1.03E+00	-4.64E-02	0.00E+00
7.36E+00	1.21E+01	9.09E-01	-1.71E-02	0.00E+00
7.38E+00	1.20E+01	6.03E-01	-1.46E-02	0.00E+00
7.40E+00	1.20E+01	7.87E-01	-2.69E-02	0.00E+00
7.42E+00	1.21E+01	9.70E-01	-1.46E-02	0.00E+00
7.44E+00	1.20E+01	9.86E-01	-1.83E-02	0.00E+00
7.46E+00	1.21E+01	9.09E-01	-1.95E-02	0.00E+00
7.48E+00	1.20E+01	8.18E-01	-9.77E-03	0.00E+00
7.50E+00	1.21E+01	9.09E-01	-1.95E-02	0.00E+00
7.52E+00	1.17E+01	1.11E+00	-1.10E-02	0.00E+00
7.54E+00	1.14E+01	9.55E-01	-1.83E-02	0.00E+00
7.56E+00	1.13E+01	1.03E+00	-1.22E-02	0.00E+00
7.58E+00	1.10E+01	7.72E-01	-2.69E-02	0.00E+00
7.60E+00	1.15E+01	9.09E-01	-3.66E-03	0.00E+00
7.62E+00	1.10E+01	9.55E-01	-1.59E-02	0.00E+00
7.64E+00	1.04E+01	1.35E+00	-7.32E-03	0.00E+00
7.66E+00	1.05E+01	8.18E-01	-1.59E-02	0.00E+00
7.68E+00	1.04E+01	8.79E-01	-1.46E-02	0.00E+00
7.70E+00	1.00E+01	1.02E+00	-1.22E-02	0.00E+00
7.72E+00	9.95E+00	9.40E-01	-9.77E-03	0.00E+00
7.74E+00	9.86E+00	8.48E-01	-3.91E-02	0.00E+00
7.76E+00	9.69E+00	8.33E-01	-2.56E-02	0.00E+00
7.78E+00	9.49E+00	8.33E-01	-1.10E-02	0.00E+00
7.80E+00	9.59E+00	8.48E-01	-1.71E-02	0.00E+00
7.82E+00	9.60E+00	9.40E-01	-2.20E-02	0.00E+00
7.84E+00	9.09E+00	8.79E-01	-2.56E-02	0.00E+00
7.86E+00	9.08E+00	1.05E+00	-3.91E-02	0.00E+00
7.88E+00	9.01E+00	9.09E-01	-1.46E-02	0.00E+00
7.90E+00	9.14E+00	9.40E-01	-1.46E-02	0.00E+00
7.92E+00	9.03E+00	9.70E-01	-2.44E-03	0.00E+00
7.94E+00	9.20E+00	8.18E-01	-3.17E-02	0.00E+00
7.96E+00	9.06E+00	8.48E-01	-1.22E-02	0.00E+00
7.98E+00	8.84E+00	7.56E-01	-2.69E-02	0.00E+00
8.00E+00	9.20E+00	1.05E+00	-2.44E-03	0.00E+00
8.02E+00	9.06E+00	7.87E-01	-1.22E-02	0.00E+00
8.04E+00	9.58E+00	8.79E-01	-1.71E-02	0.00E+00
8.06E+00	9.28E+00	8.48E-01	-7.32E-03	0.00E+00
8.08E+00	9.42E+00	7.56E-01	0.00E+00	0.00E+00
8.10E+00	1.00E+01	9.70E-01	-2.20E-02	0.00E+00
8.12E+00	9.77E+00	7.87E-01	-1.10E-02	0.00E+00
8.14E+00	1.05E+01	9.09E-01	-2.44E-02	0.00E+00
8.16E+00	1.04E+01	8.48E-01	-4.88E-03	0.00E+00
8.18E+00	1.13E+01	9.09E-01	-3.17E-02	0.00E+00

8.20E+00	1.12E+01	8.48E-01	6.10E-03	0.00E+00
8.22E+00	1.17E+01	8.02E-01	-1.83E-02	0.00E+00
8.24E+00	1.20E+01	9.40E-01	-2.20E-02	0.00E+00
8.26E+00	1.21E+01	8.79E-01	-1.22E-02	0.00E+00
8.28E+00	1.21E+01	9.70E-01	-3.17E-02	0.00E+00
8.30E+00	1.23E+01	6.34E-01	-1.59E-02	0.00E+00
8.32E+00	1.26E+01	1.03E+00	-1.22E-02	0.00E+00
8.34E+00	1.26E+01	8.02E-01	-4.88E-03	0.00E+00
8.36E+00	1.26E+01	8.79E-01	-2.93E-02	0.00E+00
8.38E+00	1.26E+01	1.00E+00	-1.95E-02	0.00E+00
8.40E+00	1.27E+01	8.79E-01	4.88E-03	0.00E+00
8.42E+00	1.26E+01	1.03E+00	-8.54E-03	0.00E+00
8.44E+00	1.20E+01	8.18E-01	-1.22E-02	0.00E+00
8.46E+00	1.22E+01	1.00E+00	3.66E-03	0.00E+00
8.48E+00	1.23E+01	8.33E-01	-1.95E-02	0.00E+00
8.50E+00	1.21E+01	7.10E-01	-2.44E-02	0.00E+00
8.52E+00	1.20E+01	9.70E-01	-2.20E-02	0.00E+00
8.54E+00	1.20E+01	8.18E-01	6.10E-03	0.00E+00
8.56E+00	1.20E+01	8.79E-01	-1.22E-02	0.00E+00
8.58E+00	1.19E+01	8.48E-01	-1.46E-02	0.00E+00
8.60E+00	1.20E+01	9.86E-01	-2.69E-02	0.00E+00
8.62E+00	1.20E+01	8.48E-01	-1.22E-02	0.00E+00
8.64E+00	1.20E+01	1.00E+00	-2.69E-02	0.00E+00
8.66E+00	1.19E+01	9.09E-01	9.77E-03	0.00E+00
8.68E+00	1.20E+01	1.09E+00	-1.71E-02	0.00E+00
8.70E+00	1.19E+01	8.18E-01	-7.32E-03	0.00E+00
8.72E+00	1.21E+01	8.18E-01	-4.39E-02	0.00E+00
8.74E+00	1.20E+01	9.70E-01	-9.77E-03	0.00E+00
8.76E+00	1.20E+01	6.95E-01	-2.69E-02	0.00E+00
8.78E+00	1.20E+01	9.40E-01	-1.34E-02	0.00E+00
8.80E+00	1.19E+01	1.03E+00	6.10E-03	0.00E+00
8.82E+00	1.20E+01	9.55E-01	-1.95E-02	0.00E+00
8.84E+00	1.20E+01	1.14E+00	-6.10E-03	0.00E+00
8.86E+00	1.22E+01	8.94E-01	-1.71E-02	0.00E+00
8.88E+00	1.20E+01	9.55E-01	-1.71E-02	0.00E+00
8.90E+00	1.21E+01	9.70E-01	-1.71E-02	0.00E+00
8.92E+00	1.19E+01	1.06E+00	1.71E-02	0.00E+00
8.94E+00	1.21E+01	8.94E-01	-1.95E-02	0.00E+00
8.96E+00	1.20E+01	1.00E+00	-7.32E-03	0.00E+00
8.98E+00	1.19E+01	8.18E-01	-9.77E-03	0.00E+00
9.00E+00	1.21E+01	9.70E-01	-1.95E-02	0.00E+00
9.02E+00	1.19E+01	1.00E+00	-1.95E-02	0.00E+00
9.04E+00	1.21E+01	1.00E+00	-1.46E-02	0.00E+00
9.06E+00	1.20E+01	9.09E-01	1.46E-02	0.00E+00
9.08E+00	1.21E+01	6.95E-01	-1.83E-02	0.00E+00
9.10E+00	1.20E+01	9.55E-01	-7.32E-03	0.00E+00
9.12E+00	1.21E+01	8.33E-01	-3.91E-02	0.00E+00

9.14E+00	1.20E+01	1.06E+00	-1.71E-02	0.00E+00
9.16E+00	1.20E+01	9.09E-01	-1.59E-02	0.00E+00
9.18E+00	1.21E+01	9.40E-01	-1.95E-02	0.00E+00
9.20E+00	1.20E+01	8.79E-01	-1.22E-02	0.00E+00
9.22E+00	1.20E+01	9.09E-01	-1.71E-02	0.00E+00
9.24E+00	1.21E+01	9.40E-01	-3.17E-02	0.00E+00
9.26E+00	1.20E+01	7.72E-01	-1.71E-02	0.00E+00
9.28E+00	1.20E+01	1.12E+00	-4.88E-03	0.00E+00
9.30E+00	1.19E+01	7.87E-01	-2.69E-02	0.00E+00
9.32E+00	1.21E+01	9.86E-01	-3.17E-02	0.00E+00
9.34E+00	1.20E+01	9.86E-01	-1.10E-02	0.00E+00
9.36E+00	1.21E+01	9.70E-01	-2.56E-02	0.00E+00
9.38E+00	1.20E+01	8.48E-01	-1.10E-02	0.00E+00
9.40E+00	1.20E+01	7.72E-01	-1.83E-02	0.00E+00
9.42E+00	1.21E+01	1.35E+00	-1.22E-02	0.00E+00
9.44E+00	1.20E+01	9.70E-01	0.00E+00	0.00E+00
9.46E+00	1.20E+01	7.56E-01	-2.32E-02	0.00E+00
9.48E+00	1.20E+01	1.03E+00	-7.32E-03	0.00E+00
9.50E+00	1.19E+01	6.95E-01	-1.46E-02	0.00E+00
9.52E+00	1.21E+01	9.40E-01	-1.95E-02	0.00E+00
9.54E+00	1.20E+01	9.09E-01	-1.83E-02	0.00E+00
9.56E+00	1.21E+01	1.03E+00	-2.44E-02	0.00E+00
9.58E+00	1.19E+01	1.00E+00	0.00E+00	0.00E+00
9.60E+00	1.20E+01	8.94E-01	-1.95E-02	0.00E+00
9.62E+00	1.21E+01	1.25E+00	-6.10E-03	0.00E+00
9.64E+00	1.20E+01	9.09E-01	0.00E+00	0.00E+00
9.66E+00	1.21E+01	9.86E-01	-2.69E-02	0.00E+00
9.68E+00	1.20E+01	7.87E-01	-1.34E-02	0.00E+00
9.70E+00	1.20E+01	1.03E+00	-1.46E-02	0.00E+00
9.72E+00	1.20E+01	1.03E+00	-1.59E-02	0.00E+00
9.74E+00	1.20E+01	9.09E-01	-1.71E-02	0.00E+00
9.76E+00	1.19E+01	9.86E-01	-8.54E-03	0.00E+00
9.78E+00	1.20E+01	7.56E-01	-2.81E-02	0.00E+00
9.80E+00	1.20E+01	9.70E-01	-1.22E-02	0.00E+00
9.82E+00	1.20E+01	7.56E-01	-2.08E-02	0.00E+00
9.84E+00	1.20E+01	9.55E-01	-9.77E-03	0.00E+00
9.86E+00	1.20E+01	6.65E-01	-1.95E-02	0.00E+00
9.88E+00	1.21E+01	9.40E-01	-6.10E-03	0.00E+00
9.90E+00	1.18E+01	8.33E-01	-2.69E-02	0.00E+00
9.92E+00	1.16E+01	1.06E+00	-2.20E-02	0.00E+00
9.94E+00	1.12E+01	6.95E-01	-2.69E-02	0.00E+00
9.96E+00	1.09E+01	1.00E+00	-1.83E-02	0.00E+00
9.98E+00	1.12E+01	8.79E-01	-7.32E-03	0.00E+00
1.00E+01	1.09E+01	8.48E-01	-2.69E-02	0.00E+00
1.00E+01	1.05E+01	8.94E-01	-2.69E-02	0.00E+00
1.00E+01	1.04E+01	1.00E+00	-2.20E-02	0.00E+00
1.01E+01	1.06E+01	1.11E+00	-1.71E-02	0.00E+00

1.01E+01	1.01E+01	8.48E-01	-1.95E-02	0.00E+00
1.01E+01	9.79E+00	8.79E-01	-3.42E-02	0.00E+00
1.01E+01	1.01E+01	5.42E-01	-1.10E-02	0.00E+00
1.01E+01	9.76E+00	8.63E-01	-2.20E-02	0.00E+00
1.02E+01	9.24E+00	8.48E-01	2.44E-03	0.00E+00
1.02E+01	9.32E+00	8.79E-01	-2.44E-02	0.00E+00
1.02E+01	9.54E+00	8.18E-01	-1.71E-02	0.00E+00
1.02E+01	9.10E+00	8.33E-01	-3.78E-02	0.00E+00
1.02E+01	9.09E+00	1.02E+00	-1.22E-02	0.00E+00
1.03E+01	8.75E+00	7.26E-01	-1.95E-02	0.00E+00
1.03E+01	8.92E+00	8.79E-01	-9.77E-03	0.00E+00
1.03E+01	9.07E+00	8.94E-01	-1.34E-02	0.00E+00
1.03E+01	9.15E+00	8.18E-01	-2.69E-02	0.00E+00
1.03E+01	9.06E+00	1.02E+00	-4.88E-03	0.00E+00
1.04E+01	8.87E+00	8.63E-01	-2.08E-02	0.00E+00
1.04E+01	9.02E+00	8.48E-01	-7.32E-03	0.00E+00
1.04E+01	8.99E+00	1.11E+00	-9.77E-03	0.00E+00
1.04E+01	9.00E+00	1.00E+00	-7.32E-03	0.00E+00
1.04E+01	8.88E+00	7.72E-01	-1.71E-02	0.00E+00
1.05E+01	8.72E+00	1.06E+00	-1.95E-02	0.00E+00
1.05E+01	8.93E+00	9.70E-01	0.00E+00	0.00E+00
1.05E+01	9.00E+00	1.00E+00	-1.95E-02	0.00E+00
1.05E+01	9.02E+00	1.03E+00	-1.71E-02	0.00E+00
1.05E+01	9.46E+00	9.70E-01	-2.81E-02	0.00E+00
1.06E+01	9.16E+00	8.79E-01	-7.32E-03	0.00E+00
1.06E+01	9.72E+00	9.25E-01	-1.95E-02	0.00E+00
1.06E+01	9.78E+00	8.94E-01	-1.46E-02	0.00E+00
1.06E+01	9.62E+00	9.09E-01	-7.32E-03	0.00E+00
1.06E+01	1.00E+01	9.70E-01	-1.22E-02	0.00E+00
1.07E+01	1.05E+01	7.26E-01	-2.20E-02	0.00E+00
1.07E+01	1.03E+01	8.79E-01	-9.77E-03	0.00E+00
1.07E+01	1.06E+01	8.79E-01	-1.83E-02	0.00E+00
1.07E+01	1.12E+01	9.70E-01	-2.20E-02	0.00E+00
1.07E+01	1.09E+01	8.18E-01	-4.88E-02	0.00E+00
1.08E+01	1.14E+01	9.25E-01	-9.77E-03	0.00E+00
1.08E+01	1.14E+01	8.33E-01	-1.95E-02	0.00E+00
1.08E+01	1.20E+01	1.08E+00	-3.42E-02	0.00E+00
1.08E+01	1.17E+01	7.56E-01	-9.77E-03	0.00E+00
1.08E+01	1.20E+01	9.70E-01	-2.44E-02	0.00E+00
1.09E+01	1.20E+01	9.40E-01	-1.71E-02	0.00E+00
1.09E+01	1.19E+01	7.41E-01	-3.42E-02	0.00E+00
1.09E+01	1.21E+01	1.03E+00	-1.22E-02	0.00E+00
1.09E+01	1.20E+01	1.28E+00	-9.77E-03	0.00E+00
1.09E+01	1.25E+01	9.09E-01	-3.42E-02	0.00E+00
1.10E+01	1.25E+01	7.41E-01	-9.77E-03	0.00E+00
1.10E+01	1.27E+01	8.63E-01	-2.93E-02	0.00E+00
1.10E+01	1.27E+01	8.94E-01	-2.93E-02	0.00E+00

1.10E+01	1.27E+01	8.18E-01	-2.08E-02	0.00E+00
1.10E+01	1.27E+01	7.87E-01	-1.10E-02	0.00E+00
1.11E+01	1.32E+01	7.87E-01	-1.71E-02	0.00E+00
1.11E+01	1.33E+01	1.03E+00	-3.91E-02	0.00E+00
1.11E+01	1.31E+01	7.56E-01	-1.59E-02	0.00E+00
1.11E+01	1.33E+01	9.70E-01	-9.77E-03	0.00E+00
1.11E+01	1.37E+01	8.79E-01	1.10E-02	0.00E+00
1.12E+01	1.38E+01	8.02E-01	-2.44E-02	0.00E+00
1.12E+01	1.38E+01	9.70E-01	-1.46E-02	0.00E+00
1.12E+01	1.41E+01	8.48E-01	-2.69E-02	0.00E+00
1.12E+01	1.45E+01	8.48E-01	-2.20E-02	0.00E+00
1.12E+01	1.43E+01	8.79E-01	-2.08E-02	0.00E+00
1.13E+01	1.45E+01	9.09E-01	-1.95E-02	0.00E+00
1.13E+01	1.49E+01	9.70E-01	-1.46E-02	0.00E+00
1.13E+01	1.49E+01	8.62E+00	-1.71E-02	0.00E+00
1.13E+01	1.49E+01	1.05E+01	-1.34E-02	0.00E+00
1.13E+01	1.50E+01	1.20E+01	-3.91E-02	0.00E+00
1.14E+01	1.50E+01	1.45E+01	-1.95E-02	0.00E+00
1.14E+01	1.50E+01	1.10E+01	-2.20E-02	0.00E+00
1.14E+01	1.50E+01	5.45E+00	-3.66E-02	0.00E+00
1.14E+01	1.49E+01	5.33E+00	-1.22E-02	0.00E+00
1.14E+01	1.50E+01	6.92E+00	-1.71E-02	0.00E+00
1.15E+01	1.51E+01	6.05E+00	-1.34E-02	0.00E+00
1.15E+01	1.53E+01	9.53E+00	-4.15E-02	0.00E+00
1.15E+01	1.55E+01	1.16E+01	-1.71E-02	0.00E+00
1.15E+01	1.55E+01	9.62E+00	7.32E-03	0.00E+00
1.15E+01	1.55E+01	9.87E+00	-2.69E-02	0.00E+00
1.16E+01	1.55E+01	8.40E+00	-7.32E-03	0.00E+00
1.16E+01	1.55E+01	7.39E+00	-2.56E-02	0.00E+00
1.16E+01	1.55E+01	9.44E+00	-1.95E-02	0.00E+00
1.16E+01	1.54E+01	1.01E+01	-1.46E-02	0.00E+00
1.16E+01	1.56E+01	1.11E+01	-2.56E-02	0.00E+00
1.17E+01	1.55E+01	1.19E+01	-1.46E-02	0.00E+00
1.17E+01	1.55E+01	1.03E+01	-2.44E-02	0.00E+00
1.17E+01	1.54E+01	9.95E+00	0.00E+00	0.00E+00
1.17E+01	1.55E+01	9.99E+00	-3.54E-02	0.00E+00
1.17E+01	1.53E+01	1.01E+01	-1.22E-02	0.00E+00
1.18E+01	1.54E+01	1.26E+01	-1.71E-02	0.00E+00
1.18E+01	1.55E+01	1.49E+01	-9.77E-03	0.00E+00
1.18E+01	1.55E+01	1.74E+01	-4.15E-02	0.00E+00
1.18E+01	1.56E+01	2.03E+01	-2.44E-02	0.00E+00
1.18E+01	1.57E+01	2.17E+01	-7.32E-03	0.00E+00
1.19E+01	1.62E+01	2.26E+01	-1.71E-02	0.00E+00
1.19E+01	1.61E+01	2.33E+01	-1.46E-02	0.00E+00
1.19E+01	1.61E+01	2.37E+01	-3.17E-02	0.00E+00
1.19E+01	1.61E+01	2.52E+01	-3.66E-03	0.00E+00
1.19E+01	1.61E+01	2.67E+01	-9.77E-03	0.00E+00

1.20E+01	1.61E+01	2.93E+01	-1.71E-02	0.00E+00
1.20E+01	1.63E+01	3.12E+01	-7.32E-03	0.00E+00
1.20E+01	1.67E+01	3.25E+01	-9.77E-03	0.00E+00
1.20E+01	1.66E+01	3.31E+01	-4.88E-03	0.00E+00
1.20E+01	1.66E+01	3.30E+01	-1.71E-02	0.00E+00
1.21E+01	1.66E+01	3.22E+01	-1.46E-02	0.00E+00
1.21E+01	1.66E+01	3.05E+01	-1.71E-02	0.00E+00
1.21E+01	1.67E+01	2.93E+01	-1.95E-02	0.00E+00
1.21E+01	1.65E+01	2.78E+01	9.77E-03	0.00E+00
1.21E+01	1.61E+01	2.56E+01	-2.69E-02	0.00E+00
1.22E+01	1.61E+01	2.34E+01	-2.44E-03	0.00E+00
1.22E+01	1.61E+01	2.06E+01	-1.95E-02	0.00E+00
1.22E+01	1.62E+01	1.85E+01	-1.71E-02	0.00E+00
1.22E+01	1.60E+01	1.69E+01	-9.77E-03	0.00E+00
1.22E+01	1.59E+01	1.59E+01	-3.05E-02	0.00E+00
1.23E+01	1.56E+01	1.45E+01	-1.71E-02	0.00E+00
1.23E+01	1.55E+01	1.34E+01	-2.08E-02	0.00E+00
1.23E+01	1.55E+01	1.22E+01	-1.46E-02	0.00E+00
1.23E+01	1.55E+01	1.08E+01	-1.46E-02	0.00E+00
1.23E+01	1.54E+01	1.01E+01	-2.32E-02	0.00E+00
1.24E+01	1.55E+01	9.87E+00	-7.32E-03	0.00E+00
1.24E+01	1.55E+01	9.82E+00	-2.44E-02	0.00E+00
1.24E+01	1.57E+01	1.08E+01	-1.46E-02	0.00E+00
1.24E+01	1.55E+01	1.12E+01	-1.95E-02	0.00E+00
1.24E+01	1.56E+01	1.13E+01	-3.30E-02	0.00E+00
1.25E+01	1.54E+01	1.07E+01	-2.44E-02	0.00E+00
1.25E+01	1.55E+01	1.01E+01	-1.71E-02	0.00E+00
1.25E+01	1.55E+01	1.03E+01	-1.46E-02	0.00E+00
1.25E+01	1.54E+01	1.01E+01	-2.44E-02	0.00E+00
1.25E+01	1.55E+01	1.05E+01	-2.44E-02	0.00E+00
1.26E+01	1.55E+01	1.05E+01	-1.10E-02	0.00E+00
1.26E+01	1.54E+01	1.00E+01	-3.66E-03	0.00E+00
1.26E+01	1.54E+01	9.75E+00	-9.77E-03	0.00E+00
1.26E+01	1.54E+01	8.92E+00	-1.95E-02	0.00E+00
1.26E+01	1.55E+01	8.37E+00	-1.95E-02	0.00E+00
1.27E+01	1.56E+01	8.00E+00	-7.32E-03	0.00E+00
1.27E+01	1.55E+01	7.48E+00	-1.71E-02	0.00E+00
1.27E+01	1.55E+01	7.15E+00	-1.34E-02	0.00E+00
1.27E+01	1.54E+01	6.44E+00	-1.10E-02	0.00E+00
1.27E+01	1.56E+01	5.36E+00	-2.20E-02	0.00E+00
1.28E+01	1.52E+01	4.49E+00	-9.77E-03	0.00E+00
1.28E+01	1.50E+01	2.79E+00	-1.71E-02	0.00E+00
1.28E+01	1.49E+01	1.61E+00	-9.77E-03	0.00E+00
1.28E+01	1.49E+01	1.15E+00	-1.34E-02	0.00E+00
1.28E+01	1.50E+01	1.12E+00	-1.95E-02	0.00E+00
1.29E+01	1.48E+01	9.40E-01	-1.34E-02	0.00E+00
1.29E+01	1.50E+01	6.65E-01	-2.93E-02	0.00E+00

1.29E+01	1.48E+01	8.18E-01	-4.88E-03	0.00E+00
1.29E+01	1.48E+01	7.56E-01	-1.95E-02	0.00E+00
1.29E+01	1.44E+01	9.86E-01	-1.71E-02	0.00E+00
1.30E+01	1.43E+01	8.18E-01	-1.34E-02	0.00E+00
1.30E+01	1.45E+01	9.70E-01	-2.93E-02	0.00E+00
1.30E+01	1.43E+01	8.18E-01	-1.59E-02	0.00E+00
1.30E+01	1.41E+01	1.11E+00	-1.95E-02	0.00E+00
1.30E+01	1.38E+01	9.09E-01	-9.77E-03	0.00E+00
1.31E+01	1.38E+01	8.94E-01	-2.69E-02	0.00E+00
1.31E+01	1.38E+01	7.26E-01	-2.08E-02	0.00E+00
1.31E+01	1.32E+01	8.48E-01	-1.46E-02	0.00E+00
1.31E+01	1.31E+01	7.87E-01	-1.95E-02	0.00E+00
1.31E+01	1.32E+01	1.06E+00	-1.95E-02	0.00E+00
1.32E+01	1.31E+01	9.09E-01	-3.17E-02	0.00E+00
1.32E+01	1.26E+01	9.09E-01	-7.32E-03	0.00E+00
1.32E+01	1.27E+01	9.09E-01	-3.17E-02	0.00E+00
1.32E+01	1.26E+01	1.03E+00	-6.10E-03	0.00E+00
1.32E+01	1.20E+01	9.09E-01	-3.66E-03	0.00E+00
1.33E+01	1.22E+01	1.03E+00	-2.44E-02	0.00E+00
1.33E+01	1.20E+01	9.70E-01	-1.34E-02	0.00E+00
1.33E+01	1.20E+01	9.09E-01	-2.44E-02	0.00E+00
1.33E+01	1.20E+01	9.09E-01	-1.71E-02	0.00E+00
1.33E+01	1.18E+01	1.00E+00	-3.30E-02	0.00E+00
1.34E+01	1.15E+01	1.12E+00	-1.46E-02	0.00E+00
1.34E+01	1.10E+01	9.09E-01	-1.71E-02	0.00E+00
1.34E+01	1.12E+01	9.70E-01	-1.71E-02	0.00E+00
1.34E+01	1.09E+01	7.41E-01	-1.10E-02	0.00E+00
1.34E+01	1.04E+01	8.18E-01	-2.20E-02	0.00E+00
1.35E+01	1.04E+01	1.09E+00	-1.22E-02	0.00E+00
1.35E+01	1.06E+01	8.02E-01	-2.69E-02	0.00E+00
1.35E+01	9.92E+00	8.18E-01	-4.03E-02	0.00E+00
1.35E+01	9.76E+00	9.40E-01	-1.95E-02	0.00E+00
1.35E+01	1.01E+01	7.10E-01	-1.22E-02	0.00E+00
1.36E+01	9.67E+00	9.09E-01	-1.71E-02	0.00E+00
1.36E+01	9.30E+00	8.48E-01	-2.32E-02	0.00E+00
1.36E+01	9.44E+00	8.94E-01	-4.88E-03	0.00E+00
1.36E+01	9.15E+00	7.87E-01	-2.20E-02	0.00E+00
1.36E+01	8.83E+00	8.48E-01	-9.77E-03	0.00E+00
1.37E+01	8.75E+00	6.49E-01	-2.20E-02	0.00E+00
1.37E+01	9.16E+00	9.55E-01	-2.20E-02	0.00E+00
1.37E+01	8.69E+00	9.40E-01	-1.46E-02	0.00E+00
1.37E+01	8.55E+00	9.09E-01	-1.71E-02	0.00E+00
1.37E+01	8.48E+00	9.25E-01	-1.71E-02	0.00E+00
1.38E+01	8.57E+00	1.00E+00	-3.91E-02	0.00E+00
1.38E+01	8.41E+00	8.63E-01	-1.10E-02	0.00E+00
1.38E+01	8.55E+00	6.95E-01	-2.69E-02	0.00E+00
1.38E+01	8.49E+00	9.25E-01	-2.44E-03	0.00E+00

1.38E+01	8.49E+00	9.09E-01	-1.22E-02	0.00E+00
1.39E+01	8.53E+00	7.87E-01	-9.77E-03	0.00E+00
1.39E+01	8.91E+00	8.79E-01	-1.34E-02	0.00E+00
1.39E+01	8.75E+00	1.11E+00	-1.46E-02	0.00E+00
1.39E+01	8.98E+00	1.06E+00	-2.20E-02	0.00E+00
1.39E+01	9.22E+00	8.48E-01	-1.34E-02	0.00E+00
1.40E+01	9.07E+00	9.70E-01	-1.83E-02	0.00E+00
1.40E+01	9.19E+00	1.00E+00	-2.20E-02	0.00E+00
1.40E+01	9.66E+00	8.79E-01	-7.32E-03	0.00E+00
1.40E+01	9.78E+00	9.70E-01	-2.32E-02	0.00E+00
1.40E+01	9.74E+00	1.03E+00	-7.32E-03	0.00E+00
1.41E+01	1.03E+01	6.19E-01	-2.81E-02	0.00E+00
1.41E+01	1.05E+01	1.03E+00	-4.88E-03	0.00E+00
1.41E+01	1.04E+01	8.48E-01	-1.59E-02	0.00E+00
1.41E+01	1.12E+01	1.00E+00	-1.46E-02	0.00E+00
1.41E+01	1.09E+01	9.40E-01	-3.05E-02	0.00E+00
1.42E+01	1.11E+01	8.79E-01	-1.71E-02	0.00E+00
1.42E+01	1.14E+01	6.95E-01	-1.22E-02	0.00E+00
1.42E+01	1.15E+01	8.48E-01	-1.22E-02	0.00E+00
1.42E+01	1.21E+01	9.86E-01	-8.54E-03	0.00E+00
1.42E+01	1.20E+01	8.79E-01	-1.95E-02	0.00E+00
1.43E+01	1.20E+01	9.09E-01	-1.46E-02	0.00E+00
1.43E+01	1.19E+01	8.79E-01	-3.66E-03	0.00E+00
1.43E+01	1.21E+01	7.87E-01	-1.95E-02	0.00E+00
1.43E+01	1.21E+01	1.12E+00	-1.71E-02	0.00E+00
1.43E+01	1.21E+01	9.40E-01	-3.17E-02	0.00E+00
1.44E+01	1.22E+01	9.25E-01	-1.22E-02	0.00E+00
1.44E+01	1.24E+01	9.09E-01	-1.71E-02	0.00E+00
1.44E+01	1.26E+01	8.48E-01	-3.05E-02	0.00E+00
1.44E+01	1.27E+01	9.40E-01	-1.22E-02	0.00E+00
1.44E+01	1.27E+01	1.18E+00	-1.83E-02	0.00E+00
1.45E+01	1.27E+01	8.48E-01	-1.95E-02	0.00E+00
1.45E+01	1.31E+01	8.18E-01	-1.95E-02	0.00E+00
1.45E+01	1.32E+01	8.48E-01	-3.66E-03	0.00E+00
1.45E+01	1.32E+01	8.18E-01	-3.42E-02	0.00E+00
1.45E+01	1.33E+01	8.79E-01	-3.66E-02	0.00E+00
1.46E+01	1.37E+01	8.79E-01	-1.71E-02	0.00E+00
1.46E+01	1.39E+01	9.40E-01	-2.44E-02	0.00E+00
1.46E+01	1.36E+01	7.41E-01	-1.10E-02	0.00E+00
1.46E+01	1.42E+01	8.79E-01	-2.20E-02	0.00E+00
1.46E+01	1.44E+01	1.12E+00	-1.46E-02	0.00E+00
1.47E+01	1.43E+01	6.95E-01	-3.17E-02	0.00E+00
1.47E+01	1.44E+01	1.14E+00	-7.32E-03	0.00E+00
1.47E+01	1.48E+01	8.79E-01	-1.22E-02	0.00E+00
1.47E+01	1.49E+01	1.15E+00	-7.32E-03	0.00E+00
1.47E+01	1.49E+01	7.12E+00	-1.22E-02	0.00E+00
1.48E+01	1.50E+01	9.69E+00	-2.69E-02	0.00E+00

1.48E+01	1.50E+01	1.10E+01	-2.44E-02	0.00E+00
1.48E+01	1.55E+01	1.35E+01	-7.32E-03	0.00E+00
1.48E+01	1.55E+01	1.04E+01	-1.71E-02	0.00E+00
1.48E+01	1.54E+01	6.05E+00	-9.77E-03	0.00E+00
1.49E+01	1.54E+01	6.69E+00	-1.10E-02	0.00E+00
1.49E+01	1.55E+01	7.24E+00	-6.10E-03	0.00E+00
1.49E+01	1.55E+01	7.12E+00	-3.42E-02	0.00E+00
1.49E+01	1.55E+01	1.08E+01	-2.93E-02	0.00E+00
1.49E+01	1.53E+01	1.12E+01	-1.59E-02	0.00E+00
1.50E+01	1.55E+01	9.59E+00	-2.08E-02	0.00E+00
1.50E+01	1.55E+01	9.56E+00	-2.32E-02	0.00E+00
1.50E+01	1.55E+01	7.54E+00	-2.20E-02	0.00E+00
1.50E+01	1.55E+01	7.87E+00	-1.71E-02	0.00E+00
1.50E+01	1.55E+01	1.00E+01	-3.42E-02	0.00E+00
1.51E+01	1.55E+01	1.05E+01	1.10E-02	0.00E+00
1.51E+01	1.54E+01	1.19E+01	-1.46E-02	0.00E+00
1.51E+01	1.56E+01	1.17E+01	-2.81E-02	0.00E+00
1.51E+01	1.55E+01	1.02E+01	-1.95E-02	0.00E+00
1.51E+01	1.55E+01	1.06E+01	-1.59E-02	0.00E+00
1.52E+01	1.55E+01	9.85E+00	-1.46E-02	0.00E+00
1.52E+01	1.54E+01	1.10E+01	1.22E-02	0.00E+00
1.52E+01	1.56E+01	1.38E+01	-2.69E-02	0.00E+00
1.52E+01	1.55E+01	1.58E+01	-1.83E-02	0.00E+00
1.52E+01	1.54E+01	1.89E+01	1.22E-03	0.00E+00
1.53E+01	1.59E+01	2.14E+01	-2.93E-02	0.00E+00
1.53E+01	1.60E+01	2.21E+01	-1.71E-02	0.00E+00
1.53E+01	1.61E+01	2.32E+01	-2.44E-02	0.00E+00
1.53E+01	1.62E+01	2.35E+01	-3.91E-02	0.00E+00
1.53E+01	1.60E+01	2.43E+01	-1.95E-02	0.00E+00
1.54E+01	1.61E+01	2.62E+01	-1.71E-02	0.00E+00
1.54E+01	1.62E+01	2.83E+01	-2.93E-02	0.00E+00
1.54E+01	1.64E+01	3.09E+01	-3.42E-02	0.00E+00
1.54E+01	1.66E+01	3.28E+01	-2.44E-03	0.00E+00
1.54E+01	1.66E+01	3.30E+01	-1.71E-02	0.00E+00
1.55E+01	1.67E+01	3.27E+01	-1.95E-02	0.00E+00
1.55E+01	1.66E+01	3.15E+01	-1.10E-02	0.00E+00
1.55E+01	1.66E+01	3.04E+01	-1.10E-02	0.00E+00
1.55E+01	1.67E+01	3.04E+01	-1.10E-02	0.00E+00
1.55E+01	1.66E+01	3.12E+01	-2.20E-02	0.00E+00
1.56E+01	1.67E+01	3.19E+01	-2.69E-02	0.00E+00
1.56E+01	1.60E+01	2.53E+01	-1.46E-02	0.00E+00
1.56E+01	1.58E+01	1.57E+01	-2.20E-02	0.00E+00
1.56E+01	1.55E+01	8.19E+00	-8.54E-03	0.00E+00
1.56E+01	1.56E+01	1.83E+00	-2.20E-02	0.00E+00
1.57E+01	1.55E+01	1.28E+00	-2.44E-02	0.00E+00
1.57E+01	1.54E+01	1.70E+00	0.00E+00	0.00E+00
1.57E+01	1.55E+01	4.41E+00	-2.93E-02	0.00E+00

1.57E+01	1.55E+01	8.98E+00	-1.34E-02	0.00E+00
1.57E+01	1.55E+01	1.26E+01	-1.46E-02	0.00E+00
1.58E+01	1.54E+01	1.37E+01	-1.95E-02	0.00E+00
1.58E+01	1.55E+01	1.49E+01	-9.77E-03	0.00E+00
1.58E+01	1.55E+01	9.65E+00	-1.46E-02	0.00E+00
1.58E+01	1.55E+01	8.22E+00	6.10E-03	0.00E+00
1.58E+01	1.55E+01	7.27E+00	-2.08E-02	0.00E+00
1.59E+01	1.55E+01	7.19E+00	-1.34E-02	0.00E+00
1.59E+01	1.54E+01	9.13E+00	-2.20E-02	0.00E+00
1.59E+01	1.55E+01	1.15E+01	-2.44E-02	0.00E+00
1.59E+01	1.55E+01	1.05E+01	-6.10E-03	0.00E+00
1.59E+01	1.56E+01	1.04E+01	-6.10E-03	0.00E+00
1.60E+01	1.54E+01	8.83E+00	-1.34E-02	0.00E+00
1.60E+01	1.54E+01	7.39E+00	-1.10E-02	0.00E+00
1.60E+01	1.55E+01	9.04E+00	-1.95E-02	0.00E+00
1.60E+01	1.54E+01	9.58E+00	-1.22E-02	0.00E+00
1.60E+01	1.55E+01	1.05E+01	-3.30E-02	0.00E+00
1.61E+01	1.55E+01	1.14E+01	-1.10E-02	0.00E+00
1.61E+01	1.55E+01	9.35E+00	-4.39E-02	0.00E+00
1.61E+01	1.56E+01	8.69E+00	-1.83E-02	0.00E+00
1.61E+01	1.55E+01	8.42E+00	-1.22E-02	0.00E+00
1.61E+01	1.54E+01	8.19E+00	-4.15E-02	0.00E+00
1.62E+01	1.56E+01	1.03E+01	-1.59E-02	0.00E+00
1.62E+01	1.55E+01	1.05E+01	-3.17E-02	0.00E+00
1.62E+01	1.56E+01	1.05E+01	-3.54E-02	0.00E+00
1.62E+01	1.54E+01	1.02E+01	-8.54E-03	0.00E+00
1.62E+01	1.55E+01	8.62E+00	-1.83E-02	0.00E+00
1.63E+01	1.57E+01	8.71E+00	-1.59E-02	0.00E+00
1.63E+01	1.55E+01	9.20E+00	-1.95E-02	0.00E+00
1.63E+01	1.55E+01	9.75E+00	-3.05E-02	0.00E+00
1.63E+01	1.55E+01	1.05E+01	-1.46E-02	0.00E+00
1.63E+01	1.55E+01	1.00E+01	-1.59E-02	0.00E+00
1.64E+01	1.55E+01	9.46E+00	-1.71E-02	0.00E+00
1.64E+01	1.54E+01	8.95E+00	-4.88E-03	0.00E+00
1.64E+01	1.56E+01	8.72E+00	-2.93E-02	0.00E+00
1.64E+01	1.55E+01	9.29E+00	-2.44E-02	0.00E+00
1.64E+01	1.55E+01	1.01E+01	-1.22E-02	0.00E+00
1.65E+01	1.55E+01	1.04E+01	-2.32E-02	0.00E+00
1.65E+01	1.54E+01	1.03E+01	-7.32E-03	0.00E+00
1.65E+01	1.55E+01	9.20E+00	-3.42E-02	0.00E+00
1.65E+01	1.55E+01	8.83E+00	-1.46E-02	0.00E+00
1.65E+01	1.55E+01	9.07E+00	-3.05E-02	0.00E+00
1.66E+01	1.56E+01	9.72E+00	-2.93E-02	0.00E+00
1.66E+01	1.55E+01	9.93E+00	-2.44E-02	0.00E+00
1.66E+01	1.56E+01	1.00E+01	-2.20E-02	0.00E+00
1.66E+01	1.54E+01	9.62E+00	-2.20E-02	0.00E+00
1.66E+01	1.55E+01	9.23E+00	-9.77E-03	0.00E+00

1.67E+01	1.55E+01	8.95E+00	-2.32E-02	0.00E+00
1.67E+01	1.55E+01	9.06E+00	-3.42E-02	0.00E+00
1.67E+01	1.55E+01	9.90E+00	-9.77E-03	0.00E+00
1.67E+01	1.55E+01	9.99E+00	-1.95E-02	0.00E+00
1.67E+01	1.55E+01	9.99E+00	-1.71E-02	0.00E+00
1.68E+01	1.54E+01	9.29E+00	-6.10E-03	0.00E+00
1.68E+01	1.55E+01	9.07E+00	-2.69E-02	0.00E+00
1.68E+01	1.55E+01	9.12E+00	-1.22E-02	0.00E+00
1.68E+01	1.55E+01	9.41E+00	-1.10E-02	0.00E+00
1.68E+01	1.55E+01	9.99E+00	-1.22E-02	0.00E+00
1.69E+01	1.55E+01	9.93E+00	-2.56E-02	0.00E+00
1.69E+01	1.56E+01	9.78E+00	-2.69E-02	0.00E+00
1.69E+01	1.54E+01	9.43E+00	-1.71E-02	0.00E+00
1.69E+01	1.56E+01	9.10E+00	-2.56E-02	0.00E+00
1.69E+01	1.55E+01	9.20E+00	-4.52E-02	0.00E+00
1.70E+01	1.54E+01	9.41E+00	-2.20E-02	0.00E+00
1.70E+01	1.55E+01	9.98E+00	-8.54E-03	0.00E+00
1.70E+01	1.54E+01	9.87E+00	-2.20E-02	0.00E+00
1.70E+01	1.55E+01	9.64E+00	-1.95E-02	0.00E+00
1.70E+01	1.55E+01	9.49E+00	-1.83E-02	0.00E+00
1.71E+01	1.56E+01	9.23E+00	-8.54E-03	0.00E+00
1.71E+01	1.55E+01	9.24E+00	-9.77E-03	0.00E+00
1.71E+01	1.55E+01	9.72E+00	-1.95E-02	0.00E+00
1.71E+01	1.56E+01	9.84E+00	-1.46E-02	0.00E+00
1.71E+01	1.53E+01	9.53E+00	-1.59E-02	0.00E+00
1.72E+01	1.55E+01	9.38E+00	-2.69E-02	0.00E+00
1.72E+01	1.55E+01	9.06E+00	-2.44E-02	0.00E+00
1.72E+01	1.56E+01	9.35E+00	-1.95E-02	0.00E+00
1.72E+01	1.54E+01	9.32E+00	-1.46E-02	0.00E+00
1.72E+01	1.55E+01	9.87E+00	-1.95E-02	0.00E+00
1.73E+01	1.54E+01	9.84E+00	-9.77E-03	0.00E+00
1.73E+01	1.55E+01	9.30E+00	-2.20E-02	0.00E+00
1.73E+01	1.56E+01	9.29E+00	-1.71E-02	0.00E+00
1.73E+01	1.56E+01	9.33E+00	-2.44E-03	0.00E+00
1.73E+01	1.56E+01	9.26E+00	-2.81E-02	0.00E+00
1.74E+01	1.55E+01	9.56E+00	-1.46E-02	0.00E+00
1.74E+01	1.55E+01	9.72E+00	-2.20E-02	0.00E+00
1.74E+01	1.55E+01	9.58E+00	-1.22E-02	0.00E+00
1.74E+01	1.54E+01	9.27E+00	-9.77E-03	0.00E+00
1.74E+01	1.55E+01	9.50E+00	-4.15E-02	0.00E+00
1.75E+01	1.55E+01	9.52E+00	-1.46E-02	0.00E+00
1.75E+01	1.54E+01	9.38E+00	-1.95E-02	0.00E+00
1.75E+01	1.57E+01	9.75E+00	-3.42E-02	0.00E+00
1.75E+01	1.54E+01	9.53E+00	-1.95E-02	0.00E+00
1.75E+01	1.56E+01	9.53E+00	-2.56E-02	0.00E+00
1.76E+01	1.54E+01	9.30E+00	-2.32E-02	0.00E+00
1.76E+01	1.55E+01	9.38E+00	-2.44E-02	0.00E+00

1.76E+01	1.55E+01	9.23E+00	-1.71E-02	0.00E+00
1.76E+01	1.54E+01	9.53E+00	-2.08E-02	0.00E+00
1.76E+01	1.56E+01	9.75E+00	-1.59E-02	0.00E+00
1.77E+01	1.54E+01	9.29E+00	-8.54E-03	0.00E+00
1.77E+01	1.56E+01	9.50E+00	7.32E-03	0.00E+00
1.77E+01	1.55E+01	9.50E+00	-1.22E-02	0.00E+00
1.77E+01	1.55E+01	9.26E+00	-1.71E-02	0.00E+00
1.77E+01	1.54E+01	9.62E+00	3.66E-03	0.00E+00
1.78E+01	1.55E+01	9.56E+00	-1.83E-02	0.00E+00
1.78E+01	1.56E+01	9.47E+00	-2.44E-02	0.00E+00
1.78E+01	1.54E+01	9.59E+00	-2.44E-03	0.00E+00
1.78E+01	1.55E+01	9.30E+00	-2.69E-02	0.00E+00
1.78E+01	1.55E+01	9.30E+00	-1.22E-02	0.00E+00
1.79E+01	1.55E+01	9.50E+00	-9.77E-03	0.00E+00
1.79E+01	1.54E+01	9.69E+00	-2.44E-03	0.00E+00
1.79E+01	1.54E+01	9.59E+00	-3.66E-03	0.00E+00
1.79E+01	1.55E+01	9.56E+00	-3.66E-02	0.00E+00
1.79E+01	1.55E+01	9.53E+00	-6.10E-03	0.00E+00
1.80E+01	1.55E+01	9.56E+00	-2.20E-02	0.00E+00
1.80E+01	1.55E+01	9.44E+00	-2.69E-02	0.00E+00
1.80E+01	1.54E+01	9.62E+00	-1.34E-02	0.00E+00
1.80E+01	1.56E+01	9.75E+00	-3.42E-02	0.00E+00
1.80E+01	1.55E+01	9.65E+00	-2.44E-03	0.00E+00
1.81E+01	1.54E+01	9.56E+00	-3.66E-02	0.00E+00
1.81E+01	1.55E+01	9.55E+00	-2.32E-02	0.00E+00
1.81E+01	1.54E+01	9.26E+00	-7.32E-03	0.00E+00
1.81E+01	1.56E+01	9.47E+00	-2.56E-02	0.00E+00
1.81E+01	1.55E+01	9.56E+00	-1.71E-02	0.00E+00
1.82E+01	1.54E+01	9.47E+00	-3.30E-02	0.00E+00
1.82E+01	1.56E+01	9.59E+00	-1.71E-02	0.00E+00
1.82E+01	1.54E+01	9.72E+00	-9.77E-03	0.00E+00
1.82E+01	1.55E+01	9.43E+00	-2.93E-02	0.00E+00
1.82E+01	1.55E+01	9.59E+00	-4.88E-03	0.00E+00
1.83E+01	1.54E+01	9.56E+00	-2.20E-02	0.00E+00
1.83E+01	1.55E+01	9.69E+00	-3.05E-02	0.00E+00
1.83E+01	1.56E+01	9.47E+00	0.00E+00	0.00E+00
1.83E+01	1.56E+01	9.39E+00	-2.20E-02	0.00E+00
1.83E+01	1.55E+01	9.75E+00	-7.32E-03	0.00E+00
1.84E+01	1.54E+01	9.41E+00	-2.20E-02	0.00E+00
1.84E+01	1.55E+01	9.65E+00	-2.32E-02	0.00E+00
1.84E+01	1.55E+01	9.73E+00	-2.20E-02	0.00E+00
1.84E+01	1.56E+01	9.59E+00	-3.17E-02	0.00E+00
1.84E+01	1.55E+01	9.33E+00	-1.46E-02	0.00E+00
1.85E+01	1.56E+01	9.43E+00	-2.44E-02	0.00E+00
1.85E+01	1.56E+01	9.53E+00	6.10E-03	0.00E+00
1.85E+01	1.55E+01	9.43E+00	-2.20E-02	0.00E+00
1.85E+01	1.56E+01	9.46E+00	-2.08E-02	0.00E+00

1.85E+01	1.54E+01	9.50E+00	2.44E-03	0.00E+00
1.86E+01	1.56E+01	9.64E+00	-2.20E-02	0.00E+00
1.86E+01	1.55E+01	9.35E+00	-1.95E-02	0.00E+00
1.86E+01	1.55E+01	9.35E+00	-2.44E-02	0.00E+00
1.86E+01	1.57E+01	9.58E+00	-2.20E-02	0.00E+00
1.86E+01	1.54E+01	9.33E+00	-1.59E-02	0.00E+00
1.87E+01	1.55E+01	9.56E+00	-9.77E-03	0.00E+00
1.87E+01	1.54E+01	9.44E+00	-1.71E-02	0.00E+00
1.87E+01	1.55E+01	9.20E+00	-2.20E-02	0.00E+00
1.87E+01	1.55E+01	9.50E+00	-1.46E-02	0.00E+00
1.87E+01	1.55E+01	9.44E+00	-1.71E-02	0.00E+00
1.88E+01	1.56E+01	9.69E+00	-2.44E-02	0.00E+00
1.88E+01	1.55E+01	9.62E+00	-1.95E-02	0.00E+00
1.88E+01	1.55E+01	9.59E+00	7.32E-03	0.00E+00
1.88E+01	1.56E+01	9.35E+00	-2.81E-02	0.00E+00
1.88E+01	1.55E+01	9.50E+00	-1.46E-02	0.00E+00
1.89E+01	1.54E+01	9.30E+00	-3.91E-02	0.00E+00
1.89E+01	1.55E+01	9.61E+00	-1.46E-02	0.00E+00
1.89E+01	1.55E+01	9.47E+00	-1.83E-02	0.00E+00
1.89E+01	1.55E+01	9.50E+00	-1.22E-02	0.00E+00
1.89E+01	1.55E+01	9.69E+00	-7.32E-03	0.00E+00
1.90E+01	1.54E+01	9.35E+00	-8.54E-03	0.00E+00
1.90E+01	1.56E+01	9.52E+00	-1.95E-02	0.00E+00
1.90E+01	1.55E+01	9.52E+00	-9.77E-03	0.00E+00
1.90E+01	1.56E+01	9.36E+00	-3.42E-02	0.00E+00
1.90E+01	1.55E+01	9.58E+00	-1.22E-02	0.00E+00
1.91E+01	1.55E+01	9.56E+00	-1.10E-02	0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1103A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1103.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 14:00.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 1280

Independe 0.02

Independe -4.28

Independe Sec

Time Sec	Angle Degrees	Force lbs	LiftgateMo volts	StrutCalDisplacement inches
-4.28E+00	7.53E+01	8.63E-01	-9.77E-03	0.00E+00
-4.26E+00	7.54E+01	8.48E-01	-2.69E-02	0.00E+00
-4.24E+00	7.54E+01	9.09E-01	-1.59E-02	0.00E+00
-4.22E+00	7.53E+01	7.56E-01	-2.44E-02	0.00E+00
-4.20E+00	7.54E+01	1.03E+00	-1.22E-02	0.00E+00
-4.18E+00	7.55E+01	8.02E-01	-4.88E-03	0.00E+00
-4.16E+00	7.54E+01	8.48E-01	-4.52E-02	0.00E+00
-4.14E+00	7.54E+01	8.18E-01	-6.10E-03	0.00E+00
-4.12E+00	7.54E+01	7.87E-01	-1.95E-02	0.00E+00
-4.10E+00	7.53E+01	8.79E-01	-2.44E-02	0.00E+00
-4.08E+00	7.53E+01	6.65E-01	-4.88E-03	0.00E+00
-4.06E+00	7.54E+01	8.94E-01	-2.20E-02	0.00E+00
-4.04E+00	7.54E+01	7.87E-01	-9.77E-03	0.00E+00
-4.02E+00	7.54E+01	1.05E+00	-9.77E-03	0.00E+00
-4.00E+00	7.52E+01	9.09E-01	-2.81E-02	0.00E+00
-3.98E+00	7.53E+01	9.70E-01	-1.83E-02	0.00E+00
-3.96E+00	7.53E+01	7.56E-01	-1.34E-02	0.00E+00
-3.94E+00	7.54E+01	8.48E-01	-1.95E-02	0.00E+00
-3.92E+00	7.54E+01	1.02E+00	-2.08E-02	0.00E+00
-3.90E+00	7.54E+01	9.09E-01	-2.69E-02	0.00E+00
-3.88E+00	7.54E+01	8.94E-01	-7.32E-03	0.00E+00
-3.86E+00	7.54E+01	8.48E-01	-9.77E-03	0.00E+00
-3.84E+00	7.54E+01	7.72E-01	-1.71E-02	0.00E+00
-3.82E+00	7.54E+01	9.70E-01	-1.71E-02	0.00E+00
-3.80E+00	7.52E+01	1.03E+00	-1.71E-02	0.00E+00
-3.78E+00	7.54E+01	7.26E-01	-2.44E-02	0.00E+00
-3.76E+00	7.54E+01	1.00E+00	-7.32E-03	0.00E+00
-3.74E+00	7.53E+01	6.95E-01	-1.71E-02	0.00E+00
-3.72E+00	7.53E+01	8.48E-01	-2.93E-02	0.00E+00
-3.70E+00	7.54E+01	1.08E+00	-7.32E-03	0.00E+00
-3.68E+00	7.54E+01	6.34E-01	-9.77E-03	0.00E+00

-3.66E+00	7.54E+01	9.70E-01	-3.66E-02	0.00E+00
-3.64E+00	7.53E+01	9.40E-01	-1.59E-02	0.00E+00
-3.62E+00	7.55E+01	6.34E-01	-2.44E-02	0.00E+00
-3.60E+00	7.55E+01	9.40E-01	-2.08E-02	0.00E+00
-3.58E+00	7.53E+01	9.40E-01	-1.22E-02	0.00E+00
-3.56E+00	7.55E+01	8.18E-01	-9.77E-03	0.00E+00
-3.54E+00	7.54E+01	1.22E+00	8.54E-03	0.00E+00
-3.52E+00	7.53E+01	7.56E-01	-1.10E-02	0.00E+00
-3.50E+00	7.54E+01	8.48E-01	-1.95E-02	0.00E+00
-3.48E+00	7.53E+01	9.70E-01	-2.44E-02	0.00E+00
-3.46E+00	7.54E+01	5.88E-01	-1.34E-02	0.00E+00
-3.44E+00	7.53E+01	9.86E-01	-2.44E-02	0.00E+00
-3.42E+00	7.53E+01	9.70E-01	-1.34E-02	0.00E+00
-3.40E+00	7.53E+01	8.63E-01	-1.71E-02	0.00E+00
-3.38E+00	7.55E+01	7.87E-01	-2.44E-02	0.00E+00
-3.36E+00	7.54E+01	7.41E-01	-3.17E-02	0.00E+00
-3.34E+00	7.54E+01	4.20E-01	-1.46E-02	0.00E+00
-3.32E+00	7.54E+01	9.55E-01	-9.77E-03	0.00E+00
-3.30E+00	7.54E+01	4.51E-01	-4.88E-03	0.00E+00
-3.28E+00	7.56E+01	8.79E-01	-2.44E-02	0.00E+00
-3.26E+00	7.54E+01	9.09E-01	-1.71E-02	0.00E+00
-3.24E+00	7.53E+01	7.41E-01	-7.32E-03	0.00E+00
-3.22E+00	7.55E+01	9.09E-01	-2.20E-02	0.00E+00
-3.20E+00	7.54E+01	8.79E-01	-2.56E-02	0.00E+00
-3.18E+00	7.52E+01	1.06E+00	-2.20E-02	0.00E+00
-3.16E+00	7.54E+01	8.79E-01	-2.20E-02	0.00E+00
-3.14E+00	7.53E+01	8.79E-01	-1.46E-02	0.00E+00
-3.12E+00	7.54E+01	7.87E-01	-1.83E-02	0.00E+00
-3.10E+00	7.55E+01	8.48E-01	-2.56E-02	0.00E+00
-3.08E+00	7.53E+01	9.86E-01	-1.22E-02	0.00E+00
-3.06E+00	7.54E+01	8.48E-01	-2.44E-02	0.00E+00
-3.04E+00	7.54E+01	9.09E-01	-1.10E-02	0.00E+00
-3.02E+00	7.52E+01	7.56E-01	4.88E-03	0.00E+00
-3.00E+00	7.55E+01	7.56E-01	-2.69E-02	0.00E+00
-2.98E+00	7.52E+01	7.56E-01	-1.22E-03	0.00E+00
-2.96E+00	7.53E+01	8.79E-01	-1.59E-02	0.00E+00
-2.94E+00	7.55E+01	9.09E-01	-4.15E-02	0.00E+00
-2.92E+00	7.54E+01	8.02E-01	-3.66E-03	0.00E+00
-2.90E+00	7.54E+01	7.56E-01	-2.69E-02	0.00E+00
-2.88E+00	7.54E+01	8.18E-01	-1.95E-02	0.00E+00
-2.86E+00	7.53E+01	8.79E-01	-1.22E-03	0.00E+00
-2.84E+00	7.53E+01	6.03E-01	-2.44E-02	0.00E+00
-2.82E+00	7.53E+01	8.48E-01	-2.08E-02	0.00E+00
-2.80E+00	7.54E+01	9.55E-01	-2.20E-02	0.00E+00
-2.78E+00	7.54E+01	6.95E-01	-1.71E-02	0.00E+00
-2.76E+00	7.55E+01	9.09E-01	-9.77E-03	0.00E+00
-2.74E+00	7.53E+01	8.18E-01	-4.88E-03	0.00E+00

-2.72E+00	7.52E+01	7.26E-01	-1.71E-02	0.00E+00
-2.70E+00	7.55E+01	9.40E-01	-2.32E-02	0.00E+00
-2.68E+00	7.53E+01	7.26E-01	0.00E+00	0.00E+00
-2.66E+00	7.54E+01	8.63E-01	-1.71E-02	0.00E+00
-2.64E+00	7.54E+01	9.70E-01	-2.44E-02	0.00E+00
-2.62E+00	7.53E+01	6.03E-01	4.88E-03	0.00E+00
-2.60E+00	7.55E+01	1.15E+00	-2.69E-02	0.00E+00
-2.58E+00	7.54E+01	9.70E-01	-1.46E-02	0.00E+00
-2.56E+00	7.54E+01	8.94E-01	-2.44E-03	0.00E+00
-2.54E+00	7.54E+01	7.87E-01	-2.69E-02	0.00E+00
-2.52E+00	7.54E+01	7.56E-01	2.44E-03	0.00E+00
-2.50E+00	7.54E+01	6.03E-01	2.44E-03	0.00E+00
-2.48E+00	7.55E+01	8.18E-01	-2.20E-02	0.00E+00
-2.46E+00	7.54E+01	8.48E-01	-1.10E-02	0.00E+00
-2.44E+00	7.54E+01	7.87E-01	-1.46E-02	0.00E+00
-2.42E+00	7.54E+01	9.40E-01	-2.08E-02	0.00E+00
-2.40E+00	7.53E+01	8.94E-01	-2.44E-02	0.00E+00
-2.38E+00	7.55E+01	6.95E-01	-2.69E-02	0.00E+00
-2.36E+00	7.54E+01	1.09E+00	-1.71E-02	0.00E+00
-2.34E+00	7.54E+01	7.56E-01	-1.22E-02	0.00E+00
-2.32E+00	7.53E+01	8.33E-01	-3.42E-02	0.00E+00
-2.30E+00	7.54E+01	1.18E+00	-1.46E-02	0.00E+00
-2.28E+00	7.53E+01	7.41E-01	-4.88E-03	0.00E+00
-2.26E+00	7.54E+01	1.00E+00	-2.08E-02	0.00E+00
-2.24E+00	7.54E+01	9.70E-01	-1.22E-02	0.00E+00
-2.22E+00	7.53E+01	7.87E-01	-1.95E-02	0.00E+00
-2.20E+00	7.55E+01	7.72E-01	-1.59E-02	0.00E+00
-2.18E+00	7.54E+01	7.87E-01	-9.77E-03	0.00E+00
-2.16E+00	7.55E+01	7.26E-01	-2.44E-02	0.00E+00
-2.14E+00	7.54E+01	8.79E-01	-1.95E-02	0.00E+00
-2.12E+00	7.54E+01	9.40E-01	-2.08E-02	0.00E+00
-2.10E+00	7.54E+01	6.34E-01	-1.22E-02	0.00E+00
-2.08E+00	7.54E+01	7.26E-01	-1.10E-02	0.00E+00
-2.06E+00	7.54E+01	9.70E-01	-7.32E-03	0.00E+00
-2.04E+00	7.54E+01	7.56E-01	-3.66E-03	0.00E+00
-2.02E+00	7.54E+01	8.18E-01	-2.44E-02	0.00E+00
-2.00E+00	7.53E+01	8.94E-01	-7.32E-03	0.00E+00
-1.98E+00	7.54E+01	7.87E-01	-2.44E-02	0.00E+00
-1.96E+00	7.54E+01	8.48E-01	-3.66E-02	0.00E+00
-1.94E+00	7.53E+01	1.12E+00	-1.22E-02	0.00E+00
-1.92E+00	7.56E+01	7.72E-01	-2.20E-02	0.00E+00
-1.90E+00	7.53E+01	8.94E-01	-9.77E-03	0.00E+00
-1.88E+00	7.53E+01	7.87E-01	-2.20E-02	0.00E+00
-1.86E+00	7.55E+01	1.18E+00	-2.08E-02	0.00E+00
-1.84E+00	7.52E+01	8.18E-01	-1.22E-02	0.00E+00
-1.82E+00	7.54E+01	1.03E+00	-2.56E-02	0.00E+00
-1.80E+00	7.53E+01	1.00E+00	-2.56E-02	0.00E+00

-1.78E+00	7.53E+01	7.87E-01	-7.32E-03	0.00E+00
-1.76E+00	7.54E+01	9.09E-01	-3.17E-02	0.00E+00
-1.74E+00	7.54E+01	7.87E-01	-1.59E-02	0.00E+00
-1.72E+00	7.55E+01	7.56E-01	2.44E-03	0.00E+00
-1.70E+00	7.54E+01	1.22E+00	-2.20E-02	0.00E+00
-1.68E+00	7.54E+01	7.87E-01	-1.95E-02	0.00E+00
-1.66E+00	7.53E+01	9.25E-01	-1.71E-02	0.00E+00
-1.64E+00	7.55E+01	9.09E-01	-2.08E-02	0.00E+00
-1.62E+00	7.53E+01	6.95E-01	-9.77E-03	0.00E+00
-1.60E+00	7.55E+01	9.40E-01	-1.59E-02	0.00E+00
-1.58E+00	7.54E+01	6.03E-01	-1.83E-02	0.00E+00
-1.56E+00	7.55E+01	7.56E-01	-6.10E-03	0.00E+00
-1.54E+00	7.55E+01	7.56E-01	-2.20E-02	0.00E+00
-1.52E+00	7.54E+01	7.87E-01	-4.88E-03	0.00E+00
-1.50E+00	7.53E+01	9.40E-01	-1.22E-02	0.00E+00
-1.48E+00	7.55E+01	9.09E-01	-4.15E-02	0.00E+00
-1.46E+00	7.54E+01	7.87E-01	4.88E-03	0.00E+00
-1.44E+00	7.53E+01	8.48E-01	-3.17E-02	0.00E+00
-1.42E+00	7.54E+01	8.63E-01	9.77E-03	0.00E+00
-1.40E+00	7.53E+01	8.63E-01	-2.44E-03	0.00E+00
-1.38E+00	7.54E+01	7.72E-01	-2.44E-02	0.00E+00
-1.36E+00	7.55E+01	9.09E-01	-1.46E-02	0.00E+00
-1.34E+00	7.53E+01	9.09E-01	-8.54E-03	0.00E+00
-1.32E+00	7.54E+01	7.72E-01	-1.95E-02	0.00E+00
-1.30E+00	7.54E+01	6.95E-01	7.32E-03	0.00E+00
-1.28E+00	7.55E+01	8.33E-01	-1.10E-02	0.00E+00
-1.26E+00	7.55E+01	8.63E-01	-2.20E-02	0.00E+00
-1.24E+00	7.53E+01	1.00E+00	-1.59E-02	0.00E+00
-1.22E+00	7.54E+01	8.48E-01	-1.95E-02	0.00E+00
-1.20E+00	7.54E+01	9.70E-01	-1.71E-02	0.00E+00
-1.18E+00	7.53E+01	1.00E+00	-1.34E-02	0.00E+00
-1.16E+00	7.54E+01	7.56E-01	-1.95E-02	0.00E+00
-1.14E+00	7.52E+01	1.02E+00	-3.05E-02	0.00E+00
-1.12E+00	7.54E+01	7.41E-01	-1.46E-02	0.00E+00
-1.10E+00	7.55E+01	8.79E-01	-3.78E-02	0.00E+00
-1.08E+00	7.53E+01	9.09E-01	-1.46E-02	0.00E+00
-1.06E+00	7.54E+01	9.25E-01	-2.32E-02	0.00E+00
-1.04E+00	7.54E+01	1.06E+00	-2.20E-02	0.00E+00
-1.02E+00	7.52E+01	9.09E-01	0.00E+00	0.00E+00
-1.00E+00	7.55E+01	6.34E-01	-2.20E-02	0.00E+00
-9.80E-01	7.54E+01	8.63E-01	-7.32E-03	0.00E+00
-9.60E-01	7.54E+01	4.81E-01	-2.44E-02	0.00E+00
-9.40E-01	7.53E+01	1.00E+00	-2.44E-02	0.00E+00
-9.20E-01	7.54E+01	8.18E-01	-1.22E-02	0.00E+00
-9.00E-01	7.53E+01	7.87E-01	-2.93E-02	0.00E+00
-8.80E-01	7.55E+01	8.48E-01	-2.20E-02	0.00E+00
-8.60E-01	7.55E+01	8.18E-01	-7.32E-03	0.00E+00

-8.40E-01	7.55E+01	6.34E-01	-1.95E-02	0.00E+00
-8.20E-01	7.55E+01	8.63E-01	0.00E+00	0.00E+00
-8.00E-01	7.53E+01	7.56E-01	1.71E-02	0.00E+00
-7.80E-01	7.55E+01	8.79E-01	-1.83E-02	0.00E+00
-7.60E-01	7.56E+01	1.02E+00	-1.10E-02	0.00E+00
-7.40E-01	7.58E+01	8.48E-01	-1.22E-02	0.00E+00
-7.20E-01	7.57E+01	8.48E-01	-2.20E-02	0.00E+00
-7.00E-01	7.53E+01	9.09E-01	-1.71E-02	0.00E+00
-6.80E-01	7.52E+01	8.63E-01	-3.42E-02	0.00E+00
-6.60E-01	7.52E+01	1.08E+00	-2.20E-02	0.00E+00
-6.40E-01	7.51E+01	8.63E-01	-6.10E-03	0.00E+00
-6.20E-01	7.53E+01	8.48E-01	-2.69E-02	0.00E+00
-6.00E-01	7.53E+01	8.02E-01	-1.83E-02	0.00E+00
-5.80E-01	7.53E+01	6.34E-01	-2.44E-03	0.00E+00
-5.60E-01	7.54E+01	7.72E-01	-1.95E-02	0.00E+00
-5.40E-01	7.55E+01	1.03E+00	-7.32E-03	0.00E+00
-5.20E-01	7.54E+01	8.02E-01	-1.46E-02	0.00E+00
-5.00E-01	7.55E+01	6.19E-01	-2.20E-02	0.00E+00
-4.80E-01	7.55E+01	8.79E-01	-2.44E-02	0.00E+00
-4.60E-01	7.53E+01	1.03E+00	-1.71E-02	0.00E+00
-4.40E-01	7.55E+01	8.79E-01	-7.32E-03	0.00E+00
-4.20E-01	7.52E+01	7.26E-01	-3.17E-02	0.00E+00
-4.00E-01	7.54E+01	7.56E-01	-2.69E-02	0.00E+00
-3.80E-01	7.53E+01	1.17E+00	-1.46E-02	0.00E+00
-3.60E-01	7.53E+01	9.25E-01	-1.46E-02	0.00E+00
-3.40E-01	7.53E+01	8.48E-01	-2.93E-02	0.00E+00
-3.20E-01	7.52E+01	1.06E+00	-9.77E-03	0.00E+00
-3.00E-01	7.52E+01	7.56E-01	7.32E-03	0.00E+00
-2.80E-01	7.53E+01	6.65E-01	-1.59E-02	0.00E+00
-2.60E-01	7.53E+01	1.00E+00	-1.10E-02	0.00E+00
-2.40E-01	7.53E+01	7.41E-01	-1.46E-02	0.00E+00
-2.20E-01	7.53E+01	8.18E-01	-1.71E-02	0.00E+00
-2.00E-01	7.53E+01	8.48E-01	-8.54E-03	0.00E+00
-1.80E-01	7.53E+01	6.34E-01	-1.71E-02	0.00E+00
-1.60E-01	7.52E+01	9.40E-01	-8.54E-03	0.00E+00
-1.40E-01	7.49E+01	9.09E-01	-3.17E-02	0.00E+00
-1.20E-01	7.47E+01	8.48E-01	-2.93E-02	0.00E+00
-1.00E-01	7.47E+01	9.40E-01	-1.22E-03	0.00E+00
-8.00E-02	7.48E+01	3.89E-01	-2.44E-02	0.00E+00
-6.00E-02	7.47E+01	7.56E-01	-1.34E-02	0.00E+00
-4.00E-02	7.47E+01	9.86E-01	-7.32E-03	0.00E+00
-2.00E-02	7.47E+01	8.48E-01	-1.34E-02	0.00E+00
0.00E+00	7.42E+01	1.17E+00	-1.71E-02	0.00E+00
2.00E-02	7.40E+01	9.25E-01	-4.88E-03	0.00E+00
4.00E-02	7.42E+01	6.65E-01	-2.20E-02	0.00E+00
6.00E-02	7.43E+01	9.55E-01	-1.22E-02	0.00E+00
8.00E-02	7.37E+01	7.56E-01	-1.46E-02	0.00E+00

1.00E-01	7.35E+01	8.18E-01	-1.59E-02	0.00E+00
1.20E-01	7.35E+01	1.03E+00	-9.77E-03	0.00E+00
1.40E-01	7.35E+01	9.70E-01	-2.20E-02	0.00E+00
1.60E-01	7.30E+01	1.00E+00	-1.59E-02	0.00E+00
1.80E-01	7.28E+01	8.63E-01	-1.95E-02	0.00E+00
2.00E-01	7.30E+01	9.70E-01	-3.66E-02	0.00E+00
2.20E-01	7.27E+01	1.03E+00	-7.32E-03	0.00E+00
2.40E-01	7.25E+01	7.10E-01	-1.71E-02	0.00E+00
2.60E-01	7.25E+01	8.18E-01	-1.46E-02	0.00E+00
2.80E-01	7.23E+01	8.79E-01	-9.77E-03	0.00E+00
3.00E-01	7.19E+01	8.48E-01	-2.44E-02	0.00E+00
3.20E-01	7.19E+01	8.48E-01	-2.20E-02	0.00E+00
3.40E-01	7.17E+01	9.70E-01	-1.22E-02	0.00E+00
3.60E-01	7.12E+01	8.02E-01	-1.95E-02	0.00E+00
3.80E-01	7.13E+01	1.06E+00	-1.22E-02	0.00E+00
4.00E-01	7.10E+01	8.63E-01	-2.08E-02	0.00E+00
4.20E-01	7.10E+01	6.03E-01	-2.20E-02	0.00E+00
4.40E-01	7.11E+01	9.09E-01	-1.95E-02	0.00E+00
4.60E-01	7.06E+01	9.40E-01	-3.54E-02	0.00E+00
4.80E-01	7.05E+01	8.02E-01	-1.22E-02	0.00E+00
5.00E-01	7.06E+01	1.06E+00	-1.71E-02	0.00E+00
5.20E-01	7.00E+01	7.56E-01	-1.71E-02	0.00E+00
5.40E-01	6.98E+01	8.48E-01	-1.95E-02	0.00E+00
5.60E-01	7.00E+01	9.40E-01	-2.69E-02	0.00E+00
5.80E-01	6.95E+01	8.79E-01	-2.08E-02	0.00E+00
6.00E-01	6.90E+01	9.70E-01	-2.69E-02	0.00E+00
6.20E-01	6.94E+01	8.79E-01	-9.77E-03	0.00E+00
6.40E-01	6.89E+01	8.79E-01	-2.44E-03	0.00E+00
6.60E-01	6.84E+01	7.26E-01	-2.56E-02	0.00E+00
6.80E-01	6.84E+01	1.12E+00	-9.77E-03	0.00E+00
7.00E-01	6.83E+01	7.87E-01	-1.10E-02	0.00E+00
7.20E-01	6.78E+01	9.09E-01	-2.20E-02	0.00E+00
7.40E-01	6.79E+01	9.70E-01	-2.32E-02	0.00E+00
7.60E-01	6.77E+01	8.18E-01	-1.22E-02	0.00E+00
7.80E-01	6.75E+01	7.56E-01	6.10E-03	0.00E+00
8.00E-01	6.72E+01	9.09E-01	-2.93E-02	0.00E+00
8.20E-01	6.72E+01	8.63E-01	-1.22E-02	0.00E+00
8.40E-01	6.68E+01	9.25E-01	-2.44E-02	0.00E+00
8.60E-01	6.66E+01	8.48E-01	-1.22E-02	0.00E+00
8.80E-01	6.66E+01	9.40E-01	-1.10E-02	0.00E+00
9.00E-01	6.63E+01	7.41E-01	-1.22E-02	0.00E+00
9.20E-01	6.61E+01	1.00E+00	-1.95E-02	0.00E+00
9.40E-01	6.60E+01	9.40E-01	-1.10E-02	0.00E+00
9.60E-01	6.58E+01	7.87E-01	-1.34E-02	0.00E+00
9.80E-01	6.55E+01	9.25E-01	-1.46E-02	0.00E+00
1.00E+00	6.54E+01	8.48E-01	-3.66E-03	0.00E+00
1.02E+00	6.54E+01	8.79E-01	-1.46E-02	0.00E+00

1.04E+00	6.50E+01	9.09E-01	4.88E-03	0.00E+00
1.06E+00	6.48E+01	7.26E-01	-1.22E-02	0.00E+00
1.08E+00	6.47E+01	9.40E-01	-1.83E-02	0.00E+00
1.10E+00	6.43E+01	8.18E-01	-2.20E-02	0.00E+00
1.12E+00	6.42E+01	9.40E-01	-7.32E-03	0.00E+00
1.14E+00	6.42E+01	9.40E-01	-2.08E-02	0.00E+00
1.16E+00	6.37E+01	9.25E-01	-4.88E-03	0.00E+00
1.18E+00	6.37E+01	6.95E-01	-1.22E-02	0.00E+00
1.20E+00	6.34E+01	8.79E-01	-1.71E-02	0.00E+00
1.22E+00	6.31E+01	8.94E-01	-7.32E-03	0.00E+00
1.24E+00	6.31E+01	8.94E-01	-1.59E-02	0.00E+00
1.26E+00	6.28E+01	8.79E-01	-3.66E-02	0.00E+00
1.28E+00	6.26E+01	1.12E+00	-1.22E-02	0.00E+00
1.30E+00	6.24E+01	7.26E-01	-2.69E-02	0.00E+00
1.32E+00	6.22E+01	9.09E-01	-2.44E-02	0.00E+00
1.34E+00	6.19E+01	8.79E-01	-2.81E-02	0.00E+00
1.36E+00	6.19E+01	9.09E-01	2.44E-03	0.00E+00
1.38E+00	6.18E+01	1.05E+00	-2.69E-02	0.00E+00
1.40E+00	6.15E+01	9.40E-01	-1.46E-02	0.00E+00
1.42E+00	6.12E+01	7.87E-01	-1.34E-02	0.00E+00
1.44E+00	6.11E+01	8.33E-01	0.00E+00	0.00E+00
1.46E+00	6.08E+01	9.09E-01	-9.77E-03	0.00E+00
1.48E+00	6.07E+01	7.56E-01	-1.22E-02	0.00E+00
1.50E+00	6.03E+01	9.55E-01	-2.20E-02	0.00E+00
1.52E+00	6.02E+01	7.56E-01	-1.10E-02	0.00E+00
1.54E+00	6.02E+01	7.10E-01	-1.59E-02	0.00E+00
1.56E+00	5.97E+01	7.87E-01	-1.83E-02	0.00E+00
1.58E+00	5.97E+01	1.14E+00	-1.22E-02	0.00E+00
1.60E+00	5.95E+01	6.80E-01	-1.46E-02	0.00E+00
1.62E+00	5.91E+01	6.49E-01	-2.56E-02	0.00E+00
1.64E+00	5.90E+01	9.09E-01	-1.95E-02	0.00E+00
1.66E+00	5.89E+01	7.87E-01	9.77E-03	0.00E+00
1.68E+00	5.85E+01	4.81E-01	-2.20E-02	0.00E+00
1.70E+00	5.85E+01	8.48E-01	-3.42E-02	0.00E+00
1.72E+00	5.82E+01	8.18E-01	-7.32E-03	0.00E+00
1.74E+00	5.79E+01	6.95E-01	-1.34E-02	0.00E+00
1.76E+00	5.80E+01	7.10E-01	-2.20E-02	0.00E+00
1.78E+00	5.75E+01	6.34E-01	-1.71E-02	0.00E+00
1.80E+00	5.71E+01	9.25E-01	-1.46E-02	0.00E+00
1.82E+00	5.74E+01	9.70E-01	-1.46E-02	0.00E+00
1.84E+00	5.67E+01	8.48E-01	-1.71E-02	0.00E+00
1.86E+00	5.66E+01	1.05E+00	-2.20E-02	0.00E+00
1.88E+00	5.65E+01	7.87E-01	-2.93E-02	0.00E+00
1.90E+00	5.60E+01	8.63E-01	-3.66E-03	0.00E+00
1.92E+00	5.60E+01	6.95E-01	-2.20E-02	0.00E+00
1.94E+00	5.57E+01	9.70E-01	-2.20E-02	0.00E+00
1.96E+00	5.55E+01	1.00E+00	-1.95E-02	0.00E+00

1.98E+00	5.52E+01	8.79E-01	-1.46E-02	0.00E+00
2.00E+00	5.49E+01	9.55E-01	-3.66E-02	0.00E+00
2.02E+00	5.50E+01	8.18E-01	-2.69E-02	0.00E+00
2.04E+00	5.46E+01	9.86E-01	-9.77E-03	0.00E+00
2.06E+00	5.44E+01	7.26E-01	-3.42E-02	0.00E+00
2.08E+00	5.44E+01	9.09E-01	-9.77E-03	0.00E+00
2.10E+00	5.36E+01	8.48E-01	-2.69E-02	0.00E+00
2.12E+00	5.38E+01	4.96E-01	-1.95E-02	0.00E+00
2.14E+00	5.35E+01	9.70E-01	-3.05E-02	0.00E+00
2.16E+00	5.32E+01	9.40E-01	0.00E+00	0.00E+00
2.18E+00	5.32E+01	1.18E+00	-2.69E-02	0.00E+00
2.20E+00	5.24E+01	9.40E-01	-2.08E-02	0.00E+00
2.22E+00	5.26E+01	8.02E-01	-1.95E-02	0.00E+00
2.24E+00	5.26E+01	8.48E-01	-7.32E-03	0.00E+00
2.26E+00	5.21E+01	7.26E-01	-1.59E-02	0.00E+00
2.28E+00	5.18E+01	9.70E-01	-1.71E-02	0.00E+00
2.30E+00	5.19E+01	8.18E-01	-3.42E-02	0.00E+00
2.32E+00	5.16E+01	8.94E-01	-1.22E-02	0.00E+00
2.34E+00	5.14E+01	9.09E-01	-1.10E-02	0.00E+00
2.36E+00	5.09E+01	7.87E-01	-3.91E-02	0.00E+00
2.38E+00	5.09E+01	1.12E+00	-1.22E-02	0.00E+00
2.40E+00	5.09E+01	9.09E-01	-6.10E-03	0.00E+00
2.42E+00	5.03E+01	8.18E-01	-2.93E-02	0.00E+00
2.44E+00	5.03E+01	1.03E+00	-1.59E-02	0.00E+00
2.46E+00	5.00E+01	7.56E-01	-9.77E-03	0.00E+00
2.48E+00	4.97E+01	9.09E-01	-2.44E-02	0.00E+00
2.50E+00	4.97E+01	9.86E-01	-1.95E-02	0.00E+00
2.52E+00	4.91E+01	8.33E-01	-9.77E-03	0.00E+00
2.54E+00	4.91E+01	8.48E-01	-3.17E-02	0.00E+00
2.56E+00	4.89E+01	8.18E-01	-1.46E-02	0.00E+00
2.58E+00	4.86E+01	1.11E+00	-1.22E-02	0.00E+00
2.60E+00	4.86E+01	7.87E-01	-2.93E-02	0.00E+00
2.62E+00	4.84E+01	8.18E-01	-1.71E-02	0.00E+00
2.64E+00	4.80E+01	8.18E-01	-1.22E-02	0.00E+00
2.66E+00	4.79E+01	9.70E-01	-9.77E-03	0.00E+00
2.68E+00	4.75E+01	9.25E-01	-1.59E-02	0.00E+00
2.70E+00	4.74E+01	1.08E+00	-1.59E-02	0.00E+00
2.72E+00	4.71E+01	1.03E+00	-1.59E-02	0.00E+00
2.74E+00	4.69E+01	7.56E-01	-2.93E-02	0.00E+00
2.76E+00	4.68E+01	8.94E-01	-1.10E-02	0.00E+00
2.78E+00	4.62E+01	7.87E-01	-1.46E-02	0.00E+00
2.80E+00	4.63E+01	7.41E-01	-1.95E-02	0.00E+00
2.82E+00	4.60E+01	1.03E+00	-1.22E-02	0.00E+00
2.84E+00	4.57E+01	7.56E-01	-2.20E-02	0.00E+00
2.86E+00	4.56E+01	8.79E-01	-2.69E-02	0.00E+00
2.88E+00	4.51E+01	9.40E-01	-1.46E-02	0.00E+00
2.90E+00	4.49E+01	8.48E-01	2.44E-03	0.00E+00

2.92E+00	4.46E+01	7.56E-01	-1.83E-02	0.00E+00
2.94E+00	4.47E+01	8.63E-01	-7.32E-03	0.00E+00
2.96E+00	4.42E+01	8.48E-01	-2.81E-02	0.00E+00
2.98E+00	4.39E+01	7.10E-01	-3.05E-02	0.00E+00
3.00E+00	4.36E+01	1.02E+00	-3.66E-03	0.00E+00
3.02E+00	4.34E+01	7.56E-01	-1.71E-02	0.00E+00
3.04E+00	4.35E+01	8.48E-01	-4.15E-02	0.00E+00
3.06E+00	4.28E+01	7.56E-01	-1.22E-02	0.00E+00
3.08E+00	4.27E+01	8.02E-01	0.00E+00	0.00E+00
3.10E+00	4.22E+01	1.09E+00	-4.15E-02	0.00E+00
3.12E+00	4.24E+01	1.22E+00	-1.83E-02	0.00E+00
3.14E+00	4.19E+01	7.26E-01	1.10E-02	0.00E+00
3.16E+00	4.17E+01	9.40E-01	-1.71E-02	0.00E+00
3.18E+00	4.16E+01	9.40E-01	-2.20E-02	0.00E+00
3.20E+00	4.10E+01	8.79E-01	-6.10E-03	0.00E+00
3.22E+00	4.11E+01	8.33E-01	-4.64E-02	0.00E+00
3.24E+00	4.08E+01	7.87E-01	-1.95E-02	0.00E+00
3.26E+00	4.06E+01	4.51E-01	-1.22E-02	0.00E+00
3.28E+00	4.02E+01	8.48E-01	-2.69E-02	0.00E+00
3.30E+00	3.99E+01	9.86E-01	2.44E-03	0.00E+00
3.32E+00	3.97E+01	8.79E-01	-3.66E-02	0.00E+00
3.34E+00	3.93E+01	8.63E-01	-1.71E-02	0.00E+00
3.36E+00	3.93E+01	1.00E+00	-1.46E-02	0.00E+00
3.38E+00	3.87E+01	8.94E-01	-1.95E-02	0.00E+00
3.40E+00	3.88E+01	8.79E-01	-2.69E-02	0.00E+00
3.42E+00	3.84E+01	9.55E-01	-9.77E-03	0.00E+00
3.44E+00	3.81E+01	7.10E-01	-1.83E-02	0.00E+00
3.46E+00	3.79E+01	9.70E-01	-1.46E-02	0.00E+00
3.48E+00	3.78E+01	9.40E-01	-1.71E-02	0.00E+00
3.50E+00	3.73E+01	7.56E-01	-1.22E-02	0.00E+00
3.52E+00	3.73E+01	1.06E+00	-1.71E-02	0.00E+00
3.54E+00	3.69E+01	8.79E-01	-1.34E-02	0.00E+00
3.56E+00	3.67E+01	9.70E-01	-2.20E-02	0.00E+00
3.58E+00	3.65E+01	9.86E-01	-2.93E-02	0.00E+00
3.60E+00	3.61E+01	8.18E-01	-8.54E-03	0.00E+00
3.62E+00	3.61E+01	8.79E-01	-3.42E-02	0.00E+00
3.64E+00	3.58E+01	9.25E-01	-1.95E-02	0.00E+00
3.66E+00	3.54E+01	9.09E-01	-7.32E-03	0.00E+00
3.68E+00	3.52E+01	7.72E-01	-2.20E-02	0.00E+00
3.70E+00	3.50E+01	1.00E+00	-1.22E-02	0.00E+00
3.72E+00	3.46E+01	9.40E-01	-1.34E-02	0.00E+00
3.74E+00	3.44E+01	7.56E-01	-2.44E-02	0.00E+00
3.76E+00	3.42E+01	9.40E-01	-1.71E-02	0.00E+00
3.78E+00	3.40E+01	7.26E-01	-2.32E-02	0.00E+00
3.80E+00	3.35E+01	1.00E+00	-1.34E-02	0.00E+00
3.82E+00	3.35E+01	8.18E-01	-3.91E-02	0.00E+00
3.84E+00	3.29E+01	8.48E-01	-1.22E-02	0.00E+00

3.86E+00	3.29E+01	8.48E-01	-3.17E-02	0.00E+00
3.88E+00	3.24E+01	1.09E+00	-2.44E-02	0.00E+00
3.90E+00	3.25E+01	1.00E+00	-1.10E-02	0.00E+00
3.92E+00	3.16E+01	7.72E-01	-3.42E-02	0.00E+00
3.94E+00	3.16E+01	8.33E-01	-1.46E-02	0.00E+00
3.96E+00	3.13E+01	9.25E-01	-1.71E-02	0.00E+00
3.98E+00	3.11E+01	8.02E-01	-1.34E-02	0.00E+00
4.00E+00	3.05E+01	7.87E-01	-3.66E-02	0.00E+00
4.02E+00	3.06E+01	9.70E-01	-2.20E-02	0.00E+00
4.04E+00	3.02E+01	9.70E-01	-1.71E-02	0.00E+00
4.06E+00	2.99E+01	7.72E-01	-4.15E-02	0.00E+00
4.08E+00	2.97E+01	8.79E-01	-2.81E-02	0.00E+00
4.10E+00	2.94E+01	9.09E-01	-1.59E-02	0.00E+00
4.12E+00	2.90E+01	6.95E-01	-1.95E-02	0.00E+00
4.14E+00	2.87E+01	7.10E-01	-8.54E-03	0.00E+00
4.16E+00	2.85E+01	1.06E+00	-1.59E-02	0.00E+00
4.18E+00	2.84E+01	8.48E-01	-4.88E-03	0.00E+00
4.20E+00	2.79E+01	6.34E-01	-2.44E-03	0.00E+00
4.22E+00	2.78E+01	7.56E-01	-1.95E-02	0.00E+00
4.24E+00	2.69E+01	9.40E-01	-7.32E-03	0.00E+00
4.26E+00	2.70E+01	8.33E-01	-9.77E-03	0.00E+00
4.28E+00	2.66E+01	8.48E-01	-3.66E-02	0.00E+00
4.30E+00	2.62E+01	1.09E+00	-1.71E-02	0.00E+00
4.32E+00	2.58E+01	8.79E-01	-2.56E-02	0.00E+00
4.34E+00	2.56E+01	8.48E-01	-4.39E-02	0.00E+00
4.36E+00	2.54E+01	1.14E+00	-1.59E-02	0.00E+00
4.38E+00	2.51E+01	6.95E-01	-1.71E-02	0.00E+00
4.40E+00	2.49E+01	8.79E-01	-2.44E-02	0.00E+00
4.42E+00	2.46E+01	9.09E-01	-1.22E-02	0.00E+00
4.44E+00	2.42E+01	8.94E-01	-7.32E-03	0.00E+00
4.46E+00	2.40E+01	7.87E-01	-3.30E-02	0.00E+00
4.48E+00	2.36E+01	9.86E-01	-1.46E-02	0.00E+00
4.50E+00	2.36E+01	6.65E-01	-7.32E-03	0.00E+00
4.52E+00	2.31E+01	8.02E-01	-2.93E-02	0.00E+00
4.54E+00	2.31E+01	9.70E-01	0.00E+00	0.00E+00
4.56E+00	2.24E+01	9.55E-01	-2.93E-02	0.00E+00
4.58E+00	2.25E+01	5.12E-01	-1.83E-02	0.00E+00
4.60E+00	2.21E+01	9.55E-01	-2.20E-02	0.00E+00
4.62E+00	2.18E+01	8.02E-01	-3.91E-02	0.00E+00
4.64E+00	2.16E+01	5.73E-01	-1.22E-02	0.00E+00
4.66E+00	2.12E+01	8.63E-01	-1.95E-02	0.00E+00
4.68E+00	2.08E+01	9.09E-01	-7.32E-03	0.00E+00
4.70E+00	2.08E+01	7.10E-01	-2.81E-02	0.00E+00
4.72E+00	2.02E+01	7.87E-01	-1.71E-02	0.00E+00
4.74E+00	2.03E+01	9.09E-01	-6.10E-03	0.00E+00
4.76E+00	1.96E+01	5.88E-01	2.44E-03	0.00E+00
4.78E+00	1.94E+01	1.12E+00	-2.44E-02	0.00E+00

4.80E+00	1.91E+01	8.18E-01	-1.95E-02	0.00E+00
4.82E+00	1.88E+01	9.70E-01	-2.08E-02	0.00E+00
4.84E+00	1.84E+01	7.26E-01	-3.66E-02	0.00E+00
4.86E+00	1.84E+01	8.48E-01	-3.66E-03	0.00E+00
4.88E+00	1.78E+01	7.56E-01	-1.22E-02	0.00E+00
4.90E+00	1.78E+01	8.79E-01	-1.95E-02	0.00E+00
4.92E+00	1.74E+01	9.25E-01	-1.95E-02	0.00E+00
4.94E+00	1.72E+01	7.87E-01	-1.10E-02	0.00E+00
4.96E+00	1.67E+01	7.41E-01	-2.44E-02	0.00E+00
4.98E+00	1.67E+01	8.02E-01	-2.20E-02	0.00E+00
5.00E+00	1.61E+01	9.70E-01	3.66E-03	0.00E+00
5.02E+00	1.60E+01	6.95E-01	-1.59E-02	0.00E+00
5.04E+00	1.56E+01	7.87E-01	-2.20E-02	0.00E+00
5.06E+00	1.55E+01	9.40E-01	-9.77E-03	0.00E+00
5.08E+00	1.49E+01	8.18E-01	-1.71E-02	0.00E+00
5.10E+00	1.49E+01	8.48E-01	-2.44E-02	0.00E+00
5.12E+00	1.46E+01	8.02E-01	-1.71E-02	0.00E+00
5.14E+00	1.43E+01	9.09E-01	6.10E-03	0.00E+00
5.16E+00	1.40E+01	8.18E-01	-3.42E-02	0.00E+00
5.18E+00	1.38E+01	9.40E-01	-1.95E-02	0.00E+00
5.20E+00	1.35E+01	8.94E-01	-2.56E-02	0.00E+00
5.22E+00	1.31E+01	8.18E-01	-1.71E-02	0.00E+00
5.24E+00	1.29E+01	1.00E+00	-2.93E-02	0.00E+00
5.26E+00	1.26E+01	9.70E-01	-1.22E-02	0.00E+00
5.28E+00	1.23E+01	7.87E-01	-1.22E-02	0.00E+00
5.30E+00	1.20E+01	6.65E-01	-1.95E-02	0.00E+00
5.32E+00	1.21E+01	9.09E-01	-1.46E-02	0.00E+00
5.34E+00	1.14E+01	8.02E-01	-2.20E-02	0.00E+00
5.36E+00	1.14E+01	8.02E-01	-1.46E-02	0.00E+00
5.38E+00	1.11E+01	7.41E-01	-2.81E-02	0.00E+00
5.40E+00	1.08E+01	1.14E+00	-9.77E-03	0.00E+00
5.42E+00	1.06E+01	7.56E-01	6.10E-03	0.00E+00
5.44E+00	1.03E+01	8.48E-01	-1.22E-02	0.00E+00
5.46E+00	1.01E+01	8.18E-01	-1.34E-02	0.00E+00
5.48E+00	9.72E+00	6.80E-01	-4.03E-02	0.00E+00
5.50E+00	9.57E+00	8.48E-01	-2.56E-02	0.00E+00
5.52E+00	9.16E+00	7.72E-01	-3.91E-02	0.00E+00
5.54E+00	8.99E+00	1.11E+00	-3.66E-03	0.00E+00
5.56E+00	9.03E+00	7.56E-01	-2.56E-02	0.00E+00
5.58E+00	8.70E+00	9.40E-01	-3.17E-02	0.00E+00
5.60E+00	8.65E+00	6.34E-01	-7.32E-03	0.00E+00
5.62E+00	8.37E+00	8.94E-01	-1.46E-02	0.00E+00
5.64E+00	8.70E+00	8.79E-01	-1.71E-02	0.00E+00
5.66E+00	8.60E+00	9.09E-01	9.77E-03	0.00E+00
5.68E+00	8.78E+00	5.58E-01	-7.32E-03	0.00E+00
5.70E+00	9.08E+00	8.48E-01	-7.32E-03	0.00E+00
5.72E+00	9.15E+00	8.94E-01	7.32E-03	0.00E+00

5.74E+00	9.10E+00	1.22E+00	-1.71E-02	0.00E+00
5.76E+00	9.58E+00	8.18E-01	-1.71E-02	0.00E+00
5.78E+00	9.78E+00	8.94E-01	-3.42E-02	0.00E+00
5.80E+00	9.94E+00	1.09E+00	-1.95E-02	0.00E+00
5.82E+00	1.00E+01	1.00E+00	-1.59E-02	0.00E+00
5.84E+00	1.05E+01	7.87E-01	-1.22E-02	0.00E+00
5.86E+00	1.07E+01	1.00E+00	-1.95E-02	0.00E+00
5.88E+00	1.11E+01	8.79E-01	-1.71E-02	0.00E+00
5.90E+00	1.17E+01	6.95E-01	-1.46E-02	0.00E+00
5.92E+00	1.21E+01	9.09E-01	-2.20E-02	0.00E+00
5.94E+00	1.20E+01	8.48E-01	-2.44E-03	0.00E+00
5.96E+00	1.21E+01	7.87E-01	-1.95E-02	0.00E+00
5.98E+00	1.24E+01	9.09E-01	-2.56E-02	0.00E+00
6.00E+00	1.26E+01	1.00E+00	-7.32E-03	0.00E+00
6.02E+00	1.27E+01	7.56E-01	-1.83E-02	0.00E+00
6.04E+00	1.27E+01	8.33E-01	-1.71E-02	0.00E+00
6.06E+00	1.27E+01	8.79E-01	-1.22E-02	0.00E+00
6.08E+00	1.26E+01	9.40E-01	-2.69E-02	0.00E+00
6.10E+00	1.27E+01	9.09E-01	-1.22E-02	0.00E+00
6.12E+00	1.23E+01	1.02E+00	-1.10E-02	0.00E+00
6.14E+00	1.23E+01	7.87E-01	-1.95E-02	0.00E+00
6.16E+00	1.24E+01	1.02E+00	-2.93E-02	0.00E+00
6.18E+00	1.20E+01	7.56E-01	-1.22E-02	0.00E+00
6.20E+00	1.20E+01	7.87E-01	-9.77E-03	0.00E+00
6.22E+00	1.21E+01	9.70E-01	-2.32E-02	0.00E+00
6.24E+00	1.20E+01	9.70E-01	-9.77E-03	0.00E+00
6.26E+00	1.20E+01	6.34E-01	-2.44E-02	0.00E+00
6.28E+00	1.20E+01	9.70E-01	-1.95E-02	0.00E+00
6.30E+00	1.20E+01	8.33E-01	-1.10E-02	0.00E+00
6.32E+00	1.20E+01	8.48E-01	-1.22E-02	0.00E+00
6.34E+00	1.20E+01	9.40E-01	-3.66E-02	0.00E+00
6.36E+00	1.20E+01	8.79E-01	-1.71E-02	0.00E+00
6.38E+00	1.20E+01	8.18E-01	1.22E-03	0.00E+00
6.40E+00	1.20E+01	8.48E-01	-2.56E-02	0.00E+00
6.42E+00	1.21E+01	1.00E+00	-1.34E-02	0.00E+00
6.44E+00	1.20E+01	8.94E-01	-7.32E-03	0.00E+00
6.46E+00	1.20E+01	7.87E-01	-1.71E-02	0.00E+00
6.48E+00	1.21E+01	9.70E-01	-2.08E-02	0.00E+00
6.50E+00	1.20E+01	9.09E-01	-8.54E-03	0.00E+00
6.52E+00	1.19E+01	8.48E-01	-2.20E-02	0.00E+00
6.54E+00	1.20E+01	1.03E+00	-3.17E-02	0.00E+00
6.56E+00	1.21E+01	1.02E+00	-1.22E-02	0.00E+00
6.58E+00	1.19E+01	8.18E-01	-9.77E-03	0.00E+00
6.60E+00	1.20E+01	1.06E+00	-2.20E-02	0.00E+00
6.62E+00	1.20E+01	9.40E-01	-9.77E-03	0.00E+00
6.64E+00	1.19E+01	7.26E-01	-1.34E-02	0.00E+00
6.66E+00	1.21E+01	8.48E-01	-2.44E-02	0.00E+00

6.68E+00	1.21E+01	8.18E-01	-1.59E-02	0.00E+00
6.70E+00	1.19E+01	8.33E-01	-2.44E-03	0.00E+00
6.72E+00	1.20E+01	7.41E-01	-1.95E-02	0.00E+00
6.74E+00	1.20E+01	9.09E-01	-1.22E-02	0.00E+00
6.76E+00	1.20E+01	9.25E-01	-1.22E-02	0.00E+00
6.78E+00	1.20E+01	7.87E-01	-2.20E-02	0.00E+00
6.80E+00	1.20E+01	9.09E-01	-1.71E-02	0.00E+00
6.82E+00	1.20E+01	1.00E+00	-1.22E-02	0.00E+00
6.84E+00	1.19E+01	8.18E-01	-1.10E-02	0.00E+00
6.86E+00	1.21E+01	8.18E-01	-3.66E-02	0.00E+00
6.88E+00	1.20E+01	9.70E-01	-4.88E-03	0.00E+00
6.90E+00	1.20E+01	8.79E-01	-9.77E-03	0.00E+00
6.92E+00	1.20E+01	9.70E-01	-2.44E-02	0.00E+00
6.94E+00	1.20E+01	9.70E-01	-8.54E-03	0.00E+00
6.96E+00	1.19E+01	8.63E-01	-3.54E-02	0.00E+00
6.98E+00	1.20E+01	5.12E-01	-1.71E-02	0.00E+00
7.00E+00	1.20E+01	8.63E-01	-2.56E-02	0.00E+00
7.02E+00	1.19E+01	7.41E-01	-1.46E-02	0.00E+00
7.04E+00	1.20E+01	8.63E-01	-2.44E-02	0.00E+00
7.06E+00	1.20E+01	8.63E-01	-1.71E-02	0.00E+00
7.08E+00	1.20E+01	6.65E-01	1.22E-03	0.00E+00
7.10E+00	1.20E+01	8.48E-01	-1.71E-02	0.00E+00
7.12E+00	1.21E+01	8.18E-01	-4.88E-03	0.00E+00
7.14E+00	1.20E+01	7.87E-01	-2.44E-03	0.00E+00
7.16E+00	1.20E+01	8.79E-01	-2.08E-02	0.00E+00
7.18E+00	1.22E+01	1.09E+00	0.00E+00	0.00E+00
7.20E+00	1.19E+01	7.56E-01	-1.71E-02	0.00E+00
7.22E+00	1.20E+01	8.18E-01	-3.42E-02	0.00E+00
7.24E+00	1.20E+01	1.15E+00	0.00E+00	0.00E+00
7.26E+00	1.18E+01	9.09E-01	-1.22E-02	0.00E+00
7.28E+00	1.22E+01	8.18E-01	-3.42E-02	0.00E+00
7.30E+00	1.20E+01	8.18E-01	-1.95E-02	0.00E+00
7.32E+00	1.19E+01	7.56E-01	1.22E-03	0.00E+00
7.34E+00	1.21E+01	8.63E-01	-2.56E-02	0.00E+00
7.36E+00	1.20E+01	9.09E-01	-2.69E-02	0.00E+00
7.38E+00	1.20E+01	7.87E-01	1.10E-02	0.00E+00
7.40E+00	1.20E+01	5.42E-01	-1.95E-02	0.00E+00
7.42E+00	1.20E+01	1.00E+00	-7.32E-03	0.00E+00
7.44E+00	1.20E+01	6.65E-01	-2.20E-02	0.00E+00
7.46E+00	1.19E+01	9.55E-01	-1.95E-02	0.00E+00
7.48E+00	1.19E+01	1.09E+00	-1.22E-02	0.00E+00
7.50E+00	1.20E+01	8.33E-01	-2.20E-02	0.00E+00
7.52E+00	1.20E+01	8.02E-01	-4.27E-02	0.00E+00
7.54E+00	1.20E+01	6.95E-01	-9.77E-03	0.00E+00
7.56E+00	1.19E+01	8.48E-01	-3.17E-02	0.00E+00
7.58E+00	1.18E+01	9.70E-01	-1.22E-02	0.00E+00
7.60E+00	1.14E+01	8.02E-01	4.88E-03	0.00E+00

7.62E+00	1.13E+01	1.09E+00	-2.93E-02	0.00E+00
7.64E+00	1.12E+01	8.79E-01	1.95E-02	0.00E+00
7.66E+00	1.14E+01	8.79E-01	-8.54E-03	0.00E+00
7.68E+00	1.09E+01	7.26E-01	-1.95E-02	0.00E+00
7.70E+00	1.03E+01	8.48E-01	-2.44E-03	0.00E+00
7.72E+00	1.07E+01	9.40E-01	-3.17E-02	0.00E+00
7.74E+00	1.04E+01	1.06E+00	-3.17E-02	0.00E+00
7.76E+00	9.99E+00	6.65E-01	-9.77E-03	0.00E+00
7.78E+00	1.01E+01	8.79E-01	-4.64E-02	0.00E+00
7.80E+00	1.00E+01	8.48E-01	-3.66E-02	0.00E+00
7.82E+00	9.67E+00	5.58E-01	-7.32E-03	0.00E+00
7.84E+00	9.57E+00	7.26E-01	-2.08E-02	0.00E+00
7.86E+00	9.77E+00	1.02E+00	-1.59E-02	0.00E+00
7.88E+00	9.09E+00	6.95E-01	-4.39E-02	0.00E+00
7.90E+00	9.16E+00	4.81E-01	-1.34E-02	0.00E+00
7.92E+00	9.24E+00	9.86E-01	-2.44E-02	0.00E+00
7.94E+00	9.06E+00	8.48E-01	-2.69E-02	0.00E+00
7.96E+00	9.15E+00	6.03E-01	-2.44E-02	0.00E+00
7.98E+00	9.30E+00	9.70E-01	-1.71E-02	0.00E+00
8.00E+00	9.11E+00	7.87E-01	-2.20E-02	0.00E+00
8.02E+00	9.12E+00	7.87E-01	-1.95E-02	0.00E+00
8.04E+00	9.12E+00	1.22E+00	-1.10E-02	0.00E+00
8.06E+00	9.42E+00	8.94E-01	-1.46E-02	0.00E+00
8.08E+00	9.34E+00	1.02E+00	-1.46E-02	0.00E+00
8.10E+00	9.66E+00	1.22E+00	-2.56E-02	0.00E+00
8.12E+00	9.89E+00	8.18E-01	-2.44E-02	0.00E+00
8.14E+00	9.88E+00	7.41E-01	-1.71E-02	0.00E+00
8.16E+00	1.02E+01	9.09E-01	-1.71E-02	0.00E+00
8.18E+00	1.03E+01	1.06E+00	-6.10E-03	0.00E+00
8.20E+00	1.10E+01	6.95E-01	-7.32E-03	0.00E+00
8.22E+00	1.11E+01	8.48E-01	0.00E+00	0.00E+00
8.24E+00	1.18E+01	5.88E-01	-4.88E-03	0.00E+00
8.26E+00	1.19E+01	7.56E-01	-2.08E-02	0.00E+00
8.28E+00	1.22E+01	9.70E-01	-1.95E-02	0.00E+00
8.30E+00	1.22E+01	9.09E-01	-2.20E-02	0.00E+00
8.32E+00	1.26E+01	7.41E-01	-2.93E-02	0.00E+00
8.34E+00	1.27E+01	9.40E-01	-1.10E-02	0.00E+00
8.36E+00	1.26E+01	7.26E-01	0.00E+00	0.00E+00
8.38E+00	1.25E+01	8.02E-01	-2.44E-02	0.00E+00
8.40E+00	1.28E+01	9.09E-01	-4.88E-03	0.00E+00
8.42E+00	1.26E+01	8.48E-01	-4.88E-03	0.00E+00
8.44E+00	1.26E+01	7.87E-01	-1.22E-03	0.00E+00
8.46E+00	1.27E+01	1.00E+00	-2.20E-02	0.00E+00
8.48E+00	1.25E+01	9.55E-01	8.54E-03	0.00E+00
8.50E+00	1.23E+01	5.12E-01	-9.77E-03	0.00E+00
8.52E+00	1.21E+01	6.95E-01	-1.46E-02	0.00E+00
8.54E+00	1.23E+01	9.09E-01	8.54E-03	0.00E+00

8.56E+00	1.23E+01	6.95E-01	-3.17E-02	0.00E+00
8.58E+00	1.20E+01	9.25E-01	-9.77E-03	0.00E+00
8.60E+00	1.20E+01	1.05E+00	-9.77E-03	0.00E+00
8.62E+00	1.19E+01	6.95E-01	-1.22E-02	0.00E+00
8.64E+00	1.21E+01	9.70E-01	-2.81E-02	0.00E+00
8.66E+00	1.19E+01	9.40E-01	-1.59E-02	0.00E+00
8.68E+00	1.20E+01	8.18E-01	-2.69E-02	0.00E+00
8.70E+00	1.21E+01	8.18E-01	-2.20E-02	0.00E+00
8.72E+00	1.20E+01	8.79E-01	-2.20E-02	0.00E+00
8.74E+00	1.22E+01	7.26E-01	-2.69E-02	0.00E+00
8.76E+00	1.23E+01	8.63E-01	-8.54E-03	0.00E+00
8.78E+00	1.22E+01	8.79E-01	1.46E-02	0.00E+00
8.80E+00	1.21E+01	8.94E-01	-1.95E-02	0.00E+00
8.82E+00	1.24E+01	9.09E-01	-7.32E-03	0.00E+00
8.84E+00	1.23E+01	8.18E-01	-1.83E-02	0.00E+00
8.86E+00	1.23E+01	7.72E-01	-3.17E-02	0.00E+00
8.88E+00	1.23E+01	1.12E+00	-2.69E-02	0.00E+00
8.90E+00	1.21E+01	9.70E-01	-1.10E-02	0.00E+00
8.92E+00	1.22E+01	8.18E-01	4.88E-03	0.00E+00
8.94E+00	1.21E+01	6.03E-01	-2.20E-02	0.00E+00
8.96E+00	1.22E+01	1.03E+00	-9.77E-03	0.00E+00
8.98E+00	1.22E+01	8.94E-01	-1.46E-02	0.00E+00
9.00E+00	1.23E+01	7.87E-01	-4.88E-03	0.00E+00
9.02E+00	1.23E+01	1.29E+00	-2.08E-02	0.00E+00
9.04E+00	1.21E+01	7.56E-01	-2.20E-02	0.00E+00
9.06E+00	1.23E+01	1.00E+00	-4.76E-02	0.00E+00
9.08E+00	1.22E+01	7.41E-01	-1.22E-02	0.00E+00
9.10E+00	1.22E+01	8.48E-01	-7.32E-03	0.00E+00
9.12E+00	1.22E+01	8.18E-01	-3.42E-02	0.00E+00
9.14E+00	1.23E+01	8.18E-01	-1.71E-02	0.00E+00
9.16E+00	1.22E+01	1.15E+00	-1.46E-02	0.00E+00
9.18E+00	1.24E+01	7.26E-01	-2.20E-02	0.00E+00
9.20E+00	1.22E+01	7.87E-01	9.77E-03	0.00E+00
9.22E+00	1.23E+01	1.25E+00	-1.83E-02	0.00E+00
9.24E+00	1.22E+01	8.18E-01	-3.17E-02	0.00E+00
9.26E+00	1.23E+01	1.08E+00	-1.95E-02	0.00E+00
9.28E+00	1.21E+01	8.18E-01	4.88E-03	0.00E+00
9.30E+00	1.22E+01	1.12E+00	-1.71E-02	0.00E+00
9.32E+00	1.24E+01	8.94E-01	-3.78E-02	0.00E+00
9.34E+00	1.21E+01	1.02E+00	-2.20E-02	0.00E+00
9.36E+00	1.23E+01	9.70E-01	-2.69E-02	0.00E+00
9.38E+00	1.22E+01	9.09E-01	-3.91E-02	0.00E+00
9.40E+00	1.22E+01	8.18E-01	-1.46E-02	0.00E+00
9.42E+00	1.23E+01	8.48E-01	-1.95E-02	0.00E+00
9.44E+00	1.22E+01	9.70E-01	-1.34E-02	0.00E+00
9.46E+00	1.23E+01	7.87E-01	7.32E-03	0.00E+00
9.48E+00	1.23E+01	8.48E-01	-2.93E-02	0.00E+00

9.50E+00	1.22E+01	8.48E-01	-9.77E-03	0.00E+00
9.52E+00	1.22E+01	8.02E-01	-1.46E-02	0.00E+00
9.54E+00	1.22E+01	9.40E-01	-1.95E-02	0.00E+00
9.56E+00	1.22E+01	9.09E-01	-2.44E-03	0.00E+00
9.58E+00	1.22E+01	7.26E-01	-1.95E-02	0.00E+00
9.60E+00	1.23E+01	8.48E-01	-2.44E-02	0.00E+00
9.62E+00	1.22E+01	1.05E+00	-2.44E-03	0.00E+00
9.64E+00	1.21E+01	5.73E-01	-2.44E-02	0.00E+00
9.66E+00	1.23E+01	1.00E+00	-9.77E-03	0.00E+00
9.68E+00	1.22E+01	8.18E-01	-1.22E-02	0.00E+00
9.70E+00	1.22E+01	6.80E-01	-1.83E-02	0.00E+00
9.72E+00	1.23E+01	9.70E-01	-2.20E-02	0.00E+00
9.74E+00	1.21E+01	8.48E-01	-7.32E-03	0.00E+00
9.76E+00	1.22E+01	7.26E-01	-2.20E-02	0.00E+00
9.78E+00	1.23E+01	9.40E-01	-1.95E-02	0.00E+00
9.80E+00	1.22E+01	7.41E-01	-1.22E-03	0.00E+00
9.82E+00	1.23E+01	7.26E-01	-2.44E-02	0.00E+00
9.84E+00	1.22E+01	9.40E-01	-9.77E-03	0.00E+00
9.86E+00	1.20E+01	9.09E-01	-3.42E-02	0.00E+00
9.88E+00	1.21E+01	8.48E-01	-2.44E-02	0.00E+00
9.90E+00	1.20E+01	9.55E-01	-1.71E-02	0.00E+00
9.92E+00	1.20E+01	8.94E-01	-1.34E-02	0.00E+00
9.94E+00	1.20E+01	8.48E-01	-3.54E-02	0.00E+00
9.96E+00	1.20E+01	1.06E+00	-7.32E-03	0.00E+00
9.98E+00	1.15E+01	8.18E-01	-7.32E-03	0.00E+00
1.00E+01	1.12E+01	9.55E-01	-7.32E-03	0.00E+00
1.00E+01	1.09E+01	6.80E-01	-9.77E-03	0.00E+00
1.00E+01	1.14E+01	7.26E-01	-1.10E-02	0.00E+00
1.01E+01	1.09E+01	7.56E-01	-1.95E-02	0.00E+00
1.01E+01	1.04E+01	1.22E+00	-2.08E-02	0.00E+00
1.01E+01	1.05E+01	8.48E-01	-7.32E-03	0.00E+00
1.01E+01	1.06E+01	7.87E-01	-3.91E-02	0.00E+00
1.01E+01	1.01E+01	8.79E-01	-3.17E-02	0.00E+00
1.02E+01	9.72E+00	9.86E-01	-6.10E-03	0.00E+00
1.02E+01	1.04E+01	7.87E-01	-2.81E-02	0.00E+00
1.02E+01	9.76E+00	9.70E-01	1.46E-02	0.00E+00
1.02E+01	9.49E+00	4.51E-01	-1.46E-02	0.00E+00
1.02E+01	9.37E+00	8.02E-01	-2.20E-02	0.00E+00
1.03E+01	9.64E+00	1.02E+00	-2.08E-02	0.00E+00
1.03E+01	9.04E+00	6.34E-01	1.95E-02	0.00E+00
1.03E+01	9.12E+00	1.06E+00	-1.95E-02	0.00E+00
1.03E+01	8.88E+00	8.79E-01	-3.17E-02	0.00E+00
1.03E+01	8.66E+00	8.18E-01	2.44E-03	0.00E+00
1.04E+01	8.65E+00	8.18E-01	-1.22E-02	0.00E+00
1.04E+01	8.56E+00	9.70E-01	-2.93E-02	0.00E+00
1.04E+01	8.60E+00	9.40E-01	-2.44E-03	0.00E+00
1.04E+01	8.73E+00	7.26E-01	-3.66E-02	0.00E+00

1.04E+01	8.70E+00	1.17E+00	-2.20E-02	0.00E+00
1.05E+01	8.58E+00	8.63E-01	1.22E-03	0.00E+00
1.05E+01	8.79E+00	1.15E+00	-1.95E-02	0.00E+00
1.05E+01	9.31E+00	8.79E-01	-1.95E-02	0.00E+00
1.05E+01	9.15E+00	8.63E-01	-9.77E-03	0.00E+00
1.05E+01	9.59E+00	6.49E-01	-1.71E-02	0.00E+00
1.06E+01	9.34E+00	8.63E-01	-3.91E-02	0.00E+00
1.06E+01	9.37E+00	8.79E-01	-4.88E-03	0.00E+00
1.06E+01	9.77E+00	7.87E-01	-2.81E-02	0.00E+00
1.06E+01	9.88E+00	1.06E+00	-2.44E-02	0.00E+00
1.06E+01	9.75E+00	8.18E-01	-1.10E-02	0.00E+00
1.07E+01	1.03E+01	9.55E-01	-2.93E-02	0.00E+00
1.07E+01	1.06E+01	8.33E-01	-1.71E-02	0.00E+00
1.07E+01	1.01E+01	7.26E-01	-1.83E-02	0.00E+00
1.07E+01	1.12E+01	1.02E+00	-2.69E-02	0.00E+00
1.07E+01	1.08E+01	1.06E+00	-2.44E-03	0.00E+00
1.08E+01	1.12E+01	8.63E-01	-2.93E-02	0.00E+00
1.08E+01	1.14E+01	1.00E+00	-2.69E-02	0.00E+00
1.08E+01	1.20E+01	9.70E-01	-1.22E-02	0.00E+00
1.08E+01	1.20E+01	7.56E-01	-2.20E-02	0.00E+00
1.08E+01	1.20E+01	7.56E-01	-2.56E-02	0.00E+00
1.09E+01	1.21E+01	1.17E+00	-9.77E-03	0.00E+00
1.09E+01	1.20E+01	8.79E-01	-2.81E-02	0.00E+00
1.09E+01	1.21E+01	9.09E-01	-7.32E-03	0.00E+00
1.09E+01	1.21E+01	7.56E-01	-9.77E-03	0.00E+00
1.09E+01	1.22E+01	7.26E-01	-1.46E-02	0.00E+00
1.10E+01	1.26E+01	9.70E-01	-1.10E-02	0.00E+00
1.10E+01	1.26E+01	8.02E-01	-2.93E-02	0.00E+00
1.10E+01	1.26E+01	9.25E-01	-4.88E-03	0.00E+00
1.10E+01	1.26E+01	8.48E-01	-3.42E-02	0.00E+00
1.10E+01	1.26E+01	9.70E-01	-2.20E-02	0.00E+00
1.11E+01	1.29E+01	8.18E-01	-1.83E-02	0.00E+00
1.11E+01	1.32E+01	8.02E-01	-2.44E-02	0.00E+00
1.11E+01	1.32E+01	9.40E-01	-2.69E-02	0.00E+00
1.11E+01	1.32E+01	7.87E-01	-2.20E-02	0.00E+00
1.11E+01	1.35E+01	8.18E-01	-1.71E-02	0.00E+00
1.12E+01	1.38E+01	9.70E-01	-1.95E-02	0.00E+00
1.12E+01	1.37E+01	7.26E-01	-1.22E-02	0.00E+00
1.12E+01	1.39E+01	1.05E+00	-1.71E-02	0.00E+00
1.12E+01	1.45E+01	9.09E-01	-1.95E-02	0.00E+00
1.12E+01	1.43E+01	8.18E-01	-4.88E-03	0.00E+00
1.13E+01	1.44E+01	9.70E-01	-3.91E-02	0.00E+00
1.13E+01	1.49E+01	1.02E+00	-7.32E-03	0.00E+00
1.13E+01	1.49E+01	8.79E-01	-2.20E-02	0.00E+00
1.13E+01	1.49E+01	6.95E-01	2.44E-03	0.00E+00
1.13E+01	1.53E+01	6.95E-01	-1.22E-02	0.00E+00
1.14E+01	1.56E+01	8.18E-01	-9.77E-03	0.00E+00

1.14E+01	1.55E+01	7.72E-01	-1.22E-02	0.00E+00
1.14E+01	1.55E+01	1.00E+00	-3.66E-02	0.00E+00
1.14E+01	1.56E+01	1.15E+00	-1.46E-02	0.00E+00
1.14E+01	1.61E+01	7.26E-01	-2.93E-02	0.00E+00
1.15E+01	1.61E+01	8.18E-01	-4.15E-02	0.00E+00
1.15E+01	1.62E+01	6.95E-01	-9.77E-03	0.00E+00
1.15E+01	1.62E+01	7.26E-01	-1.83E-02	0.00E+00
1.15E+01	1.64E+01	1.00E+00	-1.95E-02	0.00E+00
1.15E+01	1.67E+01	9.40E-01	0.00E+00	0.00E+00
1.16E+01	1.66E+01	6.80E-01	-7.32E-03	0.00E+00
1.16E+01	1.69E+01	8.79E-01	-2.44E-02	0.00E+00
1.16E+01	1.73E+01	1.00E+00	-3.66E-02	0.00E+00
1.16E+01	1.72E+01	7.26E-01	-1.10E-02	0.00E+00
1.16E+01	1.73E+01	7.72E-01	-1.71E-02	0.00E+00
1.17E+01	1.79E+01	8.79E-01	-2.93E-02	0.00E+00
1.17E+01	1.78E+01	8.79E-01	-2.44E-03	0.00E+00
1.17E+01	1.81E+01	7.10E-01	-2.20E-02	0.00E+00
1.17E+01	1.86E+01	8.48E-01	-2.20E-02	0.00E+00
1.17E+01	1.83E+01	8.18E-01	-2.20E-02	0.00E+00
1.18E+01	1.84E+01	4.81E-01	-1.22E-02	0.00E+00
1.18E+01	1.90E+01	8.94E-01	-2.44E-02	0.00E+00
1.18E+01	1.89E+01	1.02E+00	-2.44E-03	0.00E+00
1.18E+01	1.89E+01	5.73E-01	-3.42E-02	0.00E+00
1.18E+01	1.97E+01	8.33E-01	-2.93E-02	0.00E+00
1.19E+01	1.95E+01	1.05E+00	-1.22E-02	0.00E+00
1.19E+01	1.95E+01	8.63E-01	-2.93E-02	0.00E+00
1.19E+01	1.99E+01	6.65E-01	-1.95E-02	0.00E+00
1.19E+01	2.02E+01	7.87E-01	-1.71E-02	0.00E+00
1.19E+01	2.01E+01	8.48E-01	-1.71E-02	0.00E+00
1.20E+01	2.05E+01	8.79E-01	-3.78E-02	0.00E+00
1.20E+01	2.07E+01	1.28E+00	-7.32E-03	0.00E+00
1.20E+01	2.08E+01	8.33E-01	-2.20E-02	0.00E+00
1.20E+01	2.11E+01	7.56E-01	-3.66E-02	0.00E+00
1.20E+01	2.14E+01	8.79E-01	-3.17E-02	0.00E+00
1.21E+01	2.13E+01	9.70E-01	-6.10E-03	0.00E+00
1.21E+01	2.18E+01	6.34E-01	-2.44E-02	0.00E+00
1.21E+01	2.20E+01	8.94E-01	-5.37E-02	0.00E+00
1.21E+01	2.21E+01	8.18E-01	0.00E+00	0.00E+00
1.21E+01	2.24E+01	6.95E-01	-2.44E-02	0.00E+00
1.22E+01	2.25E+01	8.63E-01	-6.10E-03	0.00E+00
1.22E+01	2.31E+01	1.22E+00	-1.22E-02	0.00E+00
1.22E+01	2.29E+01	7.72E-01	0.00E+00	0.00E+00
1.22E+01	2.31E+01	5.42E-01	-2.44E-02	0.00E+00
1.22E+01	2.35E+01	8.79E-01	-2.44E-02	0.00E+00
1.23E+01	2.36E+01	1.17E+00	-6.10E-03	0.00E+00
1.23E+01	2.38E+01	6.34E-01	-4.88E-03	0.00E+00
1.23E+01	2.43E+01	1.00E+00	-2.44E-02	0.00E+00

1.23E+01	2.44E+01	8.79E-01	-2.20E-02	0.00E+00
1.23E+01	2.44E+01	7.87E-01	-2.44E-02	0.00E+00
1.24E+01	2.48E+01	9.09E-01	-2.44E-02	0.00E+00
1.24E+01	2.48E+01	9.09E-01	-3.42E-02	0.00E+00
1.24E+01	2.52E+01	7.26E-01	-1.59E-02	0.00E+00
1.24E+01	2.54E+01	7.87E-01	-8.54E-03	0.00E+00
1.24E+01	2.54E+01	9.70E-01	-2.20E-02	0.00E+00
1.25E+01	2.58E+01	7.26E-01	-6.10E-03	0.00E+00
1.25E+01	2.58E+01	1.00E+00	2.44E-03	0.00E+00
1.25E+01	2.63E+01	6.95E-01	-3.17E-02	0.00E+00
1.25E+01	2.67E+01	1.00E+00	-2.69E-02	0.00E+00
1.25E+01	2.65E+01	9.09E-01	-7.32E-03	0.00E+00
1.26E+01	2.70E+01	7.26E-01	-1.95E-02	0.00E+00
1.26E+01	2.71E+01	1.23E+00	-1.10E-02	0.00E+00
1.26E+01	2.77E+01	6.03E-01	-1.46E-02	0.00E+00
1.26E+01	2.78E+01	8.48E-01	-2.81E-02	0.00E+00
1.26E+01	2.80E+01	9.40E-01	-1.71E-02	0.00E+00
1.27E+01	2.82E+01	8.48E-01	-2.44E-03	0.00E+00
1.27E+01	2.83E+01	9.40E-01	-2.44E-02	0.00E+00
1.27E+01	2.89E+01	8.79E-01	-2.44E-02	0.00E+00
1.27E+01	2.88E+01	8.79E-01	-3.66E-03	0.00E+00
1.27E+01	2.92E+01	9.70E-01	-2.69E-02	0.00E+00
1.28E+01	2.95E+01	1.12E+00	-1.46E-02	0.00E+00
1.28E+01	2.94E+01	1.17E+00	-9.77E-03	0.00E+00
1.28E+01	2.97E+01	1.54E+01	-1.46E-02	0.00E+00
1.28E+01	3.01E+01	1.77E+01	-2.81E-02	0.00E+00
1.28E+01	3.01E+01	2.00E+01	-7.32E-03	0.00E+00
1.29E+01	3.00E+01	1.92E+01	-1.46E-02	0.00E+00
1.29E+01	3.00E+01	1.05E+01	-1.95E-02	0.00E+00
1.29E+01	3.02E+01	4.73E+00	-2.44E-02	0.00E+00
1.29E+01	2.99E+01	4.30E+00	-1.22E-02	0.00E+00
1.29E+01	3.00E+01	5.80E+00	-2.08E-02	0.00E+00
1.30E+01	3.00E+01	1.10E+01	-1.83E-02	0.00E+00
1.30E+01	3.01E+01	1.28E+01	-1.71E-02	0.00E+00
1.30E+01	3.00E+01	1.29E+01	-1.95E-02	0.00E+00
1.30E+01	3.00E+01	1.15E+01	-1.22E-02	0.00E+00
1.30E+01	3.01E+01	8.31E+00	-2.69E-02	0.00E+00
1.31E+01	3.01E+01	9.32E+00	-1.46E-02	0.00E+00
1.31E+01	2.99E+01	1.06E+01	-2.56E-02	0.00E+00
1.31E+01	3.03E+01	1.40E+01	-1.71E-02	0.00E+00
1.31E+01	3.06E+01	1.80E+01	-2.44E-02	0.00E+00
1.31E+01	3.06E+01	1.99E+01	-2.44E-03	0.00E+00
1.32E+01	3.05E+01	2.20E+01	-3.42E-02	0.00E+00
1.32E+01	3.06E+01	2.32E+01	-2.56E-02	0.00E+00
1.32E+01	3.10E+01	2.44E+01	-1.71E-02	0.00E+00
1.32E+01	3.10E+01	2.66E+01	-4.88E-03	0.00E+00
1.32E+01	3.12E+01	2.84E+01	-2.44E-03	0.00E+00

1.33E+01	3.12E+01	3.18E+01	-1.95E-02	0.00E+00
1.33E+01	3.13E+01	3.39E+01	-7.32E-03	0.00E+00
1.33E+01	3.11E+01	3.51E+01	-2.20E-02	0.00E+00
1.33E+01	3.13E+01	3.57E+01	-2.44E-02	0.00E+00
1.33E+01	3.13E+01	3.41E+01	-7.32E-03	0.00E+00
1.34E+01	3.12E+01	3.29E+01	-9.77E-03	0.00E+00
1.34E+01	3.14E+01	3.18E+01	-5.13E-02	0.00E+00
1.34E+01	3.12E+01	3.05E+01	-7.32E-03	0.00E+00
1.34E+01	3.12E+01	2.91E+01	-2.20E-02	0.00E+00
1.34E+01	3.12E+01	2.58E+01	-5.62E-02	0.00E+00
1.35E+01	3.12E+01	2.27E+01	-1.22E-02	0.00E+00
1.35E+01	3.11E+01	1.93E+01	-1.34E-02	0.00E+00
1.35E+01	3.09E+01	1.69E+01	-2.44E-02	0.00E+00
1.35E+01	3.06E+01	1.61E+01	-7.32E-03	0.00E+00
1.35E+01	3.06E+01	1.49E+01	-8.54E-03	0.00E+00
1.36E+01	3.07E+01	1.38E+01	-1.95E-02	0.00E+00
1.36E+01	3.06E+01	1.20E+01	-5.00E-02	0.00E+00
1.36E+01	3.05E+01	1.00E+01	-4.88E-03	0.00E+00
1.36E+01	3.07E+01	8.49E+00	-4.39E-02	0.00E+00
1.36E+01	3.06E+01	8.55E+00	-1.71E-02	0.00E+00
1.37E+01	3.05E+01	9.38E+00	-2.81E-02	0.00E+00
1.37E+01	3.05E+01	1.02E+01	-9.77E-03	0.00E+00
1.37E+01	3.07E+01	1.07E+01	-4.64E-02	0.00E+00
1.37E+01	3.06E+01	1.01E+01	-3.42E-02	0.00E+00
1.37E+01	3.06E+01	8.98E+00	-8.54E-03	0.00E+00
1.38E+01	3.04E+01	8.71E+00	-1.46E-02	0.00E+00
1.38E+01	3.06E+01	9.26E+00	-2.32E-02	0.00E+00
1.38E+01	3.06E+01	9.72E+00	-1.22E-02	0.00E+00
1.38E+01	3.06E+01	1.01E+01	-1.22E-02	0.00E+00
1.38E+01	3.05E+01	8.95E+00	-2.56E-02	0.00E+00
1.39E+01	3.06E+01	7.76E+00	-2.93E-02	0.00E+00
1.39E+01	3.05E+01	7.15E+00	-1.95E-02	0.00E+00
1.39E+01	3.01E+01	6.60E+00	-1.46E-02	0.00E+00
1.39E+01	3.01E+01	6.44E+00	-2.81E-02	0.00E+00
1.39E+01	2.99E+01	6.20E+00	-1.22E-02	0.00E+00
1.40E+01	3.00E+01	4.92E+00	-1.10E-02	0.00E+00
1.40E+01	3.01E+01	3.65E+00	-2.20E-02	0.00E+00
1.40E+01	3.00E+01	2.22E+00	2.44E-03	0.00E+00
1.40E+01	2.99E+01	9.09E-01	-1.59E-02	0.00E+00
1.40E+01	2.99E+01	6.80E-01	-9.77E-03	0.00E+00
1.41E+01	2.97E+01	1.09E+00	-1.46E-02	0.00E+00
1.41E+01	2.94E+01	8.48E-01	-9.77E-03	0.00E+00
1.41E+01	2.94E+01	6.65E-01	-2.32E-02	0.00E+00
1.41E+01	2.94E+01	8.79E-01	-1.83E-02	0.00E+00
1.41E+01	2.93E+01	9.09E-01	-1.71E-02	0.00E+00
1.42E+01	2.93E+01	9.40E-01	-2.93E-02	0.00E+00
1.42E+01	2.89E+01	9.55E-01	-1.46E-02	0.00E+00

1.42E+01	2.88E+01	7.56E-01	-9.77E-03	0.00E+00
1.42E+01	2.88E+01	8.18E-01	-2.20E-02	0.00E+00
1.42E+01	2.86E+01	1.00E+00	-1.22E-02	0.00E+00
1.43E+01	2.82E+01	8.18E-01	-8.54E-03	0.00E+00
1.43E+01	2.83E+01	8.48E-01	-1.83E-02	0.00E+00
1.43E+01	2.83E+01	1.08E+00	-2.44E-02	0.00E+00
1.43E+01	2.77E+01	8.18E-01	-7.32E-03	0.00E+00
1.43E+01	2.77E+01	9.70E-01	-2.20E-02	0.00E+00
1.44E+01	2.78E+01	9.70E-01	-2.81E-02	0.00E+00
1.44E+01	2.72E+01	9.70E-01	-8.54E-03	0.00E+00
1.44E+01	2.71E+01	8.18E-01	-3.05E-02	0.00E+00
1.44E+01	2.72E+01	8.48E-01	-1.59E-02	0.00E+00
1.44E+01	2.66E+01	8.18E-01	-4.88E-03	0.00E+00
1.45E+01	2.64E+01	8.18E-01	-1.22E-02	0.00E+00
1.45E+01	2.66E+01	8.33E-01	-2.20E-02	0.00E+00
1.45E+01	2.62E+01	8.79E-01	-9.77E-03	0.00E+00
1.45E+01	2.59E+01	7.56E-01	-1.34E-02	0.00E+00
1.45E+01	2.60E+01	8.48E-01	-2.69E-02	0.00E+00
1.46E+01	2.56E+01	8.79E-01	-1.46E-02	0.00E+00
1.46E+01	2.53E+01	9.25E-01	0.00E+00	0.00E+00
1.46E+01	2.54E+01	4.81E-01	-2.44E-02	0.00E+00
1.46E+01	2.56E+01	9.09E-01	-1.95E-02	0.00E+00
1.46E+01	2.48E+01	6.49E-01	-1.71E-02	0.00E+00
1.47E+01	2.47E+01	6.95E-01	-2.44E-03	0.00E+00
1.47E+01	2.48E+01	1.09E+00	-1.95E-02	0.00E+00
1.47E+01	2.41E+01	7.87E-01	-2.20E-02	0.00E+00
1.47E+01	2.43E+01	8.18E-01	-5.13E-02	0.00E+00
1.47E+01	2.43E+01	6.95E-01	-2.69E-02	0.00E+00
1.48E+01	2.38E+01	7.87E-01	1.22E-02	0.00E+00
1.48E+01	2.36E+01	7.56E-01	-2.08E-02	0.00E+00
1.48E+01	2.37E+01	9.70E-01	-9.77E-03	0.00E+00
1.48E+01	2.36E+01	8.48E-01	-8.54E-03	0.00E+00
1.48E+01	2.32E+01	8.02E-01	-2.08E-02	0.00E+00
1.49E+01	2.31E+01	7.87E-01	-2.93E-02	0.00E+00
1.49E+01	2.31E+01	8.79E-01	-1.22E-02	0.00E+00
1.49E+01	2.26E+01	7.72E-01	-1.46E-02	0.00E+00
1.49E+01	2.25E+01	9.09E-01	-3.30E-02	0.00E+00
1.49E+01	2.24E+01	1.00E+00	0.00E+00	0.00E+00
1.50E+01	2.24E+01	8.79E-01	-1.46E-02	0.00E+00
1.50E+01	2.20E+01	7.87E-01	-1.46E-02	0.00E+00
1.50E+01	2.20E+01	9.70E-01	-1.46E-02	0.00E+00
1.50E+01	2.18E+01	7.87E-01	-9.77E-03	0.00E+00
1.50E+01	2.13E+01	8.63E-01	-1.22E-02	0.00E+00
1.51E+01	2.14E+01	7.56E-01	-2.56E-02	0.00E+00
1.51E+01	2.13E+01	1.00E+00	-4.88E-03	0.00E+00
1.51E+01	2.07E+01	6.65E-01	-4.15E-02	0.00E+00
1.51E+01	2.08E+01	5.88E-01	-1.95E-02	0.00E+00

1.51E+01	2.08E+01	9.09E-01	-1.46E-02	0.00E+00
1.52E+01	2.01E+01	9.40E-01	0.00E+00	0.00E+00
1.52E+01	2.02E+01	5.42E-01	-2.69E-02	0.00E+00
1.52E+01	2.00E+01	8.48E-01	-3.54E-02	0.00E+00
1.52E+01	1.97E+01	9.55E-01	-1.46E-02	0.00E+00
1.52E+01	1.96E+01	9.40E-01	-6.10E-03	0.00E+00
1.53E+01	1.93E+01	8.18E-01	-2.81E-02	0.00E+00
1.53E+01	1.90E+01	7.87E-01	-1.34E-02	0.00E+00
1.53E+01	1.90E+01	7.56E-01	-7.32E-03	0.00E+00
1.53E+01	1.87E+01	6.49E-01	-1.10E-02	0.00E+00
1.53E+01	1.86E+01	9.40E-01	-7.32E-03	0.00E+00
1.54E+01	1.84E+01	9.55E-01	-2.32E-02	0.00E+00
1.54E+01	1.82E+01	7.72E-01	-2.44E-02	0.00E+00
1.54E+01	1.79E+01	8.33E-01	-2.81E-02	0.00E+00
1.54E+01	1.78E+01	8.79E-01	-1.95E-02	0.00E+00
1.54E+01	1.75E+01	1.03E+00	-2.44E-02	0.00E+00
1.55E+01	1.73E+01	9.09E-01	-1.95E-02	0.00E+00
1.55E+01	1.73E+01	8.48E-01	-1.10E-02	0.00E+00
1.55E+01	1.69E+01	7.26E-01	-1.71E-02	0.00E+00
1.55E+01	1.67E+01	9.09E-01	-1.59E-02	0.00E+00
1.55E+01	1.67E+01	8.94E-01	-4.39E-02	0.00E+00
1.56E+01	1.63E+01	5.73E-01	0.00E+00	0.00E+00
1.56E+01	1.62E+01	8.79E-01	-2.44E-02	0.00E+00
1.56E+01	1.61E+01	7.41E-01	-2.20E-02	0.00E+00
1.56E+01	1.59E+01	8.33E-01	-1.22E-02	0.00E+00
1.56E+01	1.60E+01	6.34E-01	-3.30E-02	0.00E+00
1.57E+01	1.55E+01	1.00E+00	-2.56E-02	0.00E+00
1.57E+01	1.54E+01	9.86E-01	-2.20E-02	0.00E+00
1.57E+01	1.54E+01	5.73E-01	-4.88E-03	0.00E+00
1.57E+01	1.48E+01	8.18E-01	-7.32E-03	0.00E+00
1.57E+01	1.48E+01	1.06E+00	-3.66E-03	0.00E+00
1.58E+01	1.49E+01	8.48E-01	-1.46E-02	0.00E+00
1.58E+01	1.43E+01	7.26E-01	-3.30E-02	0.00E+00
1.58E+01	1.43E+01	1.06E+00	-2.20E-02	0.00E+00
1.58E+01	1.43E+01	9.09E-01	-1.95E-02	0.00E+00
1.58E+01	1.37E+01	9.40E-01	-1.46E-02	0.00E+00
1.59E+01	1.38E+01	8.18E-01	-3.91E-02	0.00E+00
1.59E+01	1.36E+01	1.02E+00	-1.22E-03	0.00E+00
1.59E+01	1.30E+01	7.41E-01	-1.46E-02	0.00E+00
1.59E+01	1.31E+01	7.72E-01	-1.22E-02	0.00E+00
1.59E+01	1.29E+01	1.05E+00	-9.77E-03	0.00E+00
1.60E+01	1.25E+01	8.48E-01	-1.10E-02	0.00E+00
1.60E+01	1.26E+01	8.79E-01	-4.03E-02	0.00E+00
1.60E+01	1.21E+01	1.15E+00	-1.71E-02	0.00E+00
1.60E+01	1.18E+01	9.09E-01	-1.46E-02	0.00E+00
1.60E+01	1.20E+01	9.55E-01	-3.91E-02	0.00E+00
1.61E+01	1.15E+01	1.15E+00	-1.71E-02	0.00E+00

1.61E+01	1.13E+01	7.87E-01	-7.32E-03	0.00E+00
1.61E+01	1.15E+01	8.63E-01	-2.93E-02	0.00E+00
1.61E+01	1.07E+01	8.18E-01	1.10E-02	0.00E+00
1.61E+01	1.08E+01	6.34E-01	-9.77E-03	0.00E+00
1.62E+01	1.06E+01	8.02E-01	-1.95E-02	0.00E+00
1.62E+01	1.03E+01	8.48E-01	-1.71E-02	0.00E+00
1.62E+01	1.02E+01	7.41E-01	-1.59E-02	0.00E+00
1.62E+01	9.80E+00	8.79E-01	-2.56E-02	0.00E+00
1.62E+01	9.72E+00	8.94E-01	-1.71E-02	0.00E+00
1.63E+01	9.57E+00	8.18E-01	-8.54E-03	0.00E+00
1.63E+01	9.15E+00	7.56E-01	-2.08E-02	0.00E+00
1.63E+01	9.15E+00	8.79E-01	-1.22E-02	0.00E+00
1.63E+01	9.07E+00	8.18E-01	-1.71E-02	0.00E+00
1.63E+01	8.93E+00	6.65E-01	-2.44E-02	0.00E+00
1.64E+01	8.66E+00	9.09E-01	-2.93E-02	0.00E+00
1.64E+01	8.54E+00	9.09E-01	-1.34E-02	0.00E+00
1.64E+01	8.49E+00	8.63E-01	-7.32E-03	0.00E+00
1.64E+01	8.55E+00	9.40E-01	-2.69E-02	0.00E+00
1.64E+01	8.52E+00	9.09E-01	-7.32E-03	0.00E+00
1.65E+01	8.50E+00	8.79E-01	0.00E+00	0.00E+00
1.65E+01	8.57E+00	6.65E-01	-3.91E-02	0.00E+00
1.65E+01	9.15E+00	1.12E+00	-1.46E-02	0.00E+00
1.65E+01	9.04E+00	9.40E-01	-1.59E-02	0.00E+00
1.65E+01	9.10E+00	7.87E-01	-7.32E-03	0.00E+00
1.66E+01	9.20E+00	1.03E+00	3.66E-03	0.00E+00
1.66E+01	9.64E+00	1.15E+00	-1.10E-02	0.00E+00
1.66E+01	9.55E+00	8.02E-01	-7.32E-03	0.00E+00
1.66E+01	9.97E+00	7.26E-01	-3.42E-02	0.00E+00
1.66E+01	1.00E+01	1.28E+00	-9.77E-03	0.00E+00
1.67E+01	1.03E+01	5.73E-01	-3.42E-02	0.00E+00
1.67E+01	1.06E+01	6.65E-01	-1.95E-02	0.00E+00
1.67E+01	1.06E+01	9.70E-01	-3.05E-02	0.00E+00
1.67E+01	1.06E+01	1.00E+00	-9.77E-03	0.00E+00
1.67E+01	1.14E+01	7.26E-01	-1.22E-02	0.00E+00
1.68E+01	1.09E+01	9.70E-01	-2.44E-02	0.00E+00
1.68E+01	1.14E+01	1.03E+00	-1.71E-02	0.00E+00
1.68E+01	1.14E+01	7.56E-01	-1.10E-02	0.00E+00
1.68E+01	1.21E+01	9.40E-01	-2.69E-02	0.00E+00
1.68E+01	1.21E+01	8.79E-01	-2.69E-02	0.00E+00
1.69E+01	1.20E+01	7.87E-01	-8.54E-03	0.00E+00
1.69E+01	1.19E+01	7.26E-01	-1.59E-02	0.00E+00
1.69E+01	1.21E+01	9.70E-01	-2.20E-02	0.00E+00
1.69E+01	1.21E+01	9.86E-01	2.08E-02	0.00E+00
1.69E+01	1.25E+01	1.06E+00	-2.08E-02	0.00E+00
1.70E+01	1.24E+01	8.18E-01	-2.56E-02	0.00E+00
1.70E+01	1.20E+01	8.63E-01	-2.44E-03	0.00E+00
1.70E+01	1.26E+01	7.56E-01	-4.15E-02	0.00E+00

1.70E+01	1.26E+01	6.34E-01	-2.56E-02	0.00E+00
1.70E+01	1.25E+01	8.94E-01	1.59E-02	0.00E+00
1.71E+01	1.27E+01	9.09E-01	-4.88E-03	0.00E+00
1.71E+01	1.26E+01	8.33E-01	-1.95E-02	0.00E+00
1.71E+01	1.32E+01	9.40E-01	-1.46E-02	0.00E+00
1.71E+01	1.31E+01	7.26E-01	-4.88E-03	0.00E+00
1.71E+01	1.32E+01	7.56E-01	-1.95E-02	0.00E+00
1.72E+01	1.33E+01	8.48E-01	-1.95E-02	0.00E+00
1.72E+01	1.37E+01	8.48E-01	-1.46E-02	0.00E+00
1.72E+01	1.38E+01	8.02E-01	-3.30E-02	0.00E+00
1.72E+01	1.38E+01	1.03E+00	-1.10E-02	0.00E+00
1.72E+01	1.42E+01	7.26E-01	-3.66E-03	0.00E+00
1.73E+01	1.44E+01	7.87E-01	-2.93E-02	0.00E+00
1.73E+01	1.44E+01	1.06E+00	0.00E+00	0.00E+00
1.73E+01	1.43E+01	8.48E-01	-1.46E-02	0.00E+00
1.73E+01	1.49E+01	1.06E+00	-2.69E-02	0.00E+00
1.73E+01	1.49E+01	1.05E+00	-2.56E-02	0.00E+00
1.74E+01	1.49E+01	7.10E-01	-2.20E-02	0.00E+00
1.74E+01	1.50E+01	1.03E+00	-2.20E-02	0.00E+00
1.74E+01	1.56E+01	9.09E-01	-2.20E-02	0.00E+00
1.74E+01	1.54E+01	1.15E+00	-7.32E-03	0.00E+00
1.74E+01	1.56E+01	7.26E-01	-4.39E-02	0.00E+00
1.75E+01	1.56E+01	7.26E-01	-2.08E-02	0.00E+00
1.75E+01	1.61E+01	8.79E-01	-2.32E-02	0.00E+00
1.75E+01	1.61E+01	6.80E-01	-2.20E-02	0.00E+00
1.75E+01	1.61E+01	7.26E-01	-2.20E-02	0.00E+00
1.75E+01	1.61E+01	9.40E-01	-1.46E-02	0.00E+00
1.76E+01	1.66E+01	8.79E-01	-1.22E-02	0.00E+00
1.76E+01	1.67E+01	8.33E-01	-3.66E-02	0.00E+00
1.76E+01	1.67E+01	1.02E+00	-1.22E-02	0.00E+00
1.76E+01	1.71E+01	8.33E-01	-9.77E-03	0.00E+00
1.76E+01	1.72E+01	8.79E-01	-2.44E-02	0.00E+00
1.77E+01	1.73E+01	1.09E+00	7.32E-03	0.00E+00
1.77E+01	1.78E+01	1.15E+00	-1.22E-02	0.00E+00
1.77E+01	1.76E+01	7.26E-01	-2.44E-02	0.00E+00
1.77E+01	1.82E+01	9.70E-01	-2.69E-02	0.00E+00
1.77E+01	1.83E+01	9.40E-01	1.22E-02	0.00E+00
1.78E+01	1.83E+01	8.48E-01	-2.08E-02	0.00E+00
1.78E+01	1.84E+01	8.18E-01	3.66E-03	0.00E+00
1.78E+01	1.90E+01	1.00E+00	-2.69E-02	0.00E+00
1.78E+01	1.89E+01	9.09E-01	-9.77E-03	0.00E+00
1.78E+01	1.90E+01	7.87E-01	-2.44E-02	0.00E+00
1.79E+01	1.93E+01	9.40E-01	-2.32E-02	0.00E+00
1.79E+01	1.96E+01	1.00E+00	0.00E+00	0.00E+00
1.79E+01	1.95E+01	6.65E-01	-1.46E-02	0.00E+00
1.79E+01	1.98E+01	8.79E-01	-2.56E-02	0.00E+00
1.79E+01	2.02E+01	8.18E-01	-6.10E-03	0.00E+00

1.80E+01	2.01E+01	9.55E-01	1.59E-02	0.00E+00
1.80E+01	2.04E+01	1.12E+00	-2.69E-02	0.00E+00
1.80E+01	2.09E+01	9.25E-01	-1.71E-02	0.00E+00
1.80E+01	2.07E+01	9.70E-01	-4.88E-03	0.00E+00
1.80E+01	2.12E+01	7.41E-01	-3.78E-02	0.00E+00
1.81E+01	2.14E+01	1.18E+00	-2.20E-02	0.00E+00
1.81E+01	2.17E+01	9.40E-01	-2.20E-02	0.00E+00
1.81E+01	2.19E+01	8.63E-01	-6.10E-03	0.00E+00
1.81E+01	2.19E+01	8.48E-01	-2.69E-02	0.00E+00
1.81E+01	2.24E+01	9.40E-01	-4.88E-03	0.00E+00
1.82E+01	2.25E+01	7.87E-01	-1.71E-02	0.00E+00
1.82E+01	2.25E+01	8.18E-01	-1.95E-02	0.00E+00
1.82E+01	2.31E+01	1.18E+00	-9.77E-03	0.00E+00
1.82E+01	2.30E+01	7.26E-01	-1.46E-02	0.00E+00
1.82E+01	2.31E+01	7.72E-01	-1.22E-02	0.00E+00
1.83E+01	2.36E+01	9.86E-01	-1.95E-02	0.00E+00
1.83E+01	2.36E+01	6.19E-01	-1.22E-03	0.00E+00
1.83E+01	2.38E+01	7.87E-01	-2.44E-02	0.00E+00
1.83E+01	2.43E+01	7.56E-01	-1.95E-02	0.00E+00
1.83E+01	2.43E+01	9.09E-01	-1.22E-02	0.00E+00
1.84E+01	2.43E+01	9.70E-01	-2.44E-03	0.00E+00
1.84E+01	2.49E+01	7.56E-01	-4.39E-02	0.00E+00
1.84E+01	2.48E+01	1.03E+00	-4.88E-03	0.00E+00
1.84E+01	2.50E+01	8.33E-01	-1.59E-02	0.00E+00
1.84E+01	2.52E+01	8.02E-01	4.88E-03	0.00E+00
1.85E+01	2.54E+01	7.56E-01	-2.69E-02	0.00E+00
1.85E+01	2.60E+01	9.40E-01	-2.69E-02	0.00E+00
1.85E+01	2.59E+01	9.55E-01	-7.32E-03	0.00E+00
1.85E+01	2.62E+01	6.95E-01	-2.69E-02	0.00E+00
1.85E+01	2.66E+01	1.00E+00	-1.71E-02	0.00E+00
1.86E+01	2.66E+01	9.09E-01	-1.59E-02	0.00E+00
1.86E+01	2.71E+01	5.42E-01	-2.20E-02	0.00E+00
1.86E+01	2.73E+01	7.87E-01	-2.69E-02	0.00E+00
1.86E+01	2.77E+01	8.33E-01	-9.77E-03	0.00E+00
1.86E+01	2.77E+01	8.48E-01	-1.10E-02	0.00E+00
1.87E+01	2.79E+01	1.03E+00	-2.08E-02	0.00E+00
1.87E+01	2.83E+01	1.12E+00	2.44E-03	0.00E+00
1.87E+01	2.82E+01	7.56E-01	-1.34E-02	0.00E+00
1.87E+01	2.89E+01	7.56E-01	-1.95E-02	0.00E+00
1.87E+01	2.90E+01	8.63E-01	-2.81E-02	0.00E+00
1.88E+01	2.91E+01	9.40E-01	-9.77E-03	0.00E+00
1.88E+01	2.94E+01	7.87E-01	-1.59E-02	0.00E+00
1.88E+01	2.94E+01	9.55E-01	-1.95E-02	0.00E+00
1.88E+01	2.97E+01	1.25E+00	-1.71E-02	0.00E+00
1.88E+01	2.99E+01	1.39E+01	2.44E-03	0.00E+00
1.89E+01	3.00E+01	2.35E+01	1.22E-03	0.00E+00
1.89E+01	3.01E+01	2.48E+01	-2.69E-02	0.00E+00

1.89E+01	3.00E+01	1.80E+01	-2.81E-02	0.00E+00
1.89E+01	3.00E+01	6.93E+00	-1.59E-02	0.00E+00
1.89E+01	3.01E+01	2.84E+00	-3.78E-02	0.00E+00
1.90E+01	3.01E+01	2.74E+00	-1.46E-02	0.00E+00
1.90E+01	2.99E+01	5.86E+00	-7.32E-03	0.00E+00
1.90E+01	3.00E+01	1.19E+01	-2.69E-02	0.00E+00
1.90E+01	3.01E+01	1.47E+01	-1.95E-02	0.00E+00
1.90E+01	3.00E+01	1.47E+01	-6.10E-03	0.00E+00
1.91E+01	3.00E+01	1.14E+01	-9.77E-03	0.00E+00
1.91E+01	3.01E+01	8.25E+00	-2.44E-02	0.00E+00
1.91E+01	3.01E+01	9.35E+00	-1.22E-02	0.00E+00
1.91E+01	3.03E+01	1.12E+01	-4.88E-03	0.00E+00
1.91E+01	3.05E+01	1.64E+01	-1.95E-02	0.00E+00
1.92E+01	3.06E+01	2.03E+01	-1.71E-02	0.00E+00
1.92E+01	3.06E+01	2.24E+01	-1.59E-02	0.00E+00
1.92E+01	3.06E+01	2.36E+01	-1.22E-02	0.00E+00
1.92E+01	3.09E+01	2.31E+01	-2.93E-02	0.00E+00
1.92E+01	3.11E+01	2.51E+01	-7.32E-03	0.00E+00
1.93E+01	3.11E+01	2.73E+01	-1.34E-02	0.00E+00
1.93E+01	3.11E+01	3.02E+01	-1.71E-02	0.00E+00
1.93E+01	3.13E+01	3.40E+01	-3.17E-02	0.00E+00
1.93E+01	3.12E+01	3.54E+01	-2.20E-02	0.00E+00
1.93E+01	3.17E+01	3.59E+01	-2.44E-02	0.00E+00
1.94E+01	3.16E+01	3.50E+01	-1.71E-02	0.00E+00
1.94E+01	3.17E+01	3.33E+01	-2.20E-02	0.00E+00
1.94E+01	3.16E+01	3.33E+01	-1.71E-02	0.00E+00
1.94E+01	3.17E+01	3.33E+01	-2.20E-02	0.00E+00
1.94E+01	3.17E+01	3.40E+01	-2.56E-02	0.00E+00
1.95E+01	3.18E+01	3.45E+01	-2.93E-02	0.00E+00
1.95E+01	3.15E+01	3.32E+01	-4.88E-03	0.00E+00
1.95E+01	3.08E+01	1.99E+01	-2.56E-02	0.00E+00
1.95E+01	3.06E+01	9.75E+00	-2.93E-02	0.00E+00
1.95E+01	3.01E+01	1.23E+00	-1.59E-02	0.00E+00
1.96E+01	3.00E+01	1.75E-01	-2.08E-02	0.00E+00
1.96E+01	3.01E+01	9.86E-01	-1.95E-02	0.00E+00
1.96E+01	3.01E+01	1.38E+00	-2.20E-02	0.00E+00
1.96E+01	2.99E+01	1.11E+01	-4.88E-03	0.00E+00
1.96E+01	3.00E+01	1.36E+01	-2.56E-02	0.00E+00
1.97E+01	3.05E+01	1.42E+01	-2.69E-02	0.00E+00
1.97E+01	3.06E+01	1.60E+01	-2.44E-02	0.00E+00
1.97E+01	3.05E+01	8.62E+00	-1.59E-02	0.00E+00
1.97E+01	3.06E+01	6.55E+00	-2.44E-02	0.00E+00
1.97E+01	3.05E+01	6.57E+00	-2.69E-02	0.00E+00
1.98E+01	3.06E+01	7.16E+00	-1.71E-02	0.00E+00
1.98E+01	3.04E+01	1.14E+01	-1.34E-02	0.00E+00
1.98E+01	3.05E+01	1.17E+01	-3.91E-02	0.00E+00
1.98E+01	3.06E+01	1.19E+01	-1.83E-02	0.00E+00

1.98E+01	3.07E+01	1.08E+01	-3.54E-02	0.00E+00
1.99E+01	3.06E+01	7.54E+00	-2.32E-02	0.00E+00
1.99E+01	3.06E+01	8.28E+00	-2.93E-02	0.00E+00
1.99E+01	3.06E+01	8.95E+00	-1.95E-02	0.00E+00
1.99E+01	3.06E+01	1.02E+01	-1.46E-02	0.00E+00
1.99E+01	3.05E+01	1.28E+01	-2.44E-02	0.00E+00
2.00E+01	3.06E+01	1.08E+01	-1.46E-02	0.00E+00
2.00E+01	3.05E+01	9.59E+00	-6.10E-03	0.00E+00
2.00E+01	3.05E+01	8.19E+00	-1.71E-02	0.00E+00
2.00E+01	3.06E+01	7.71E+00	-1.95E-02	0.00E+00
2.00E+01	3.05E+01	1.01E+01	-1.71E-02	0.00E+00
2.01E+01	3.06E+01	1.07E+01	-1.10E-02	0.00E+00
2.01E+01	3.05E+01	1.15E+01	-2.20E-02	0.00E+00
2.01E+01	3.06E+01	1.09E+01	-2.20E-02	0.00E+00
2.01E+01	3.05E+01	8.71E+00	-4.88E-03	0.00E+00
2.01E+01	3.06E+01	8.54E+00	-3.17E-02	0.00E+00
2.02E+01	3.06E+01	8.43E+00	-1.71E-02	0.00E+00
2.02E+01	3.05E+01	1.01E+01	0.00E+00	0.00E+00
2.02E+01	3.05E+01	1.13E+01	-4.88E-03	0.00E+00
2.02E+01	3.05E+01	1.05E+01	-2.08E-02	0.00E+00
2.02E+01	3.06E+01	1.02E+01	-4.88E-03	0.00E+00
2.03E+01	3.05E+01	8.46E+00	-1.71E-02	0.00E+00
2.03E+01	3.06E+01	8.71E+00	-2.93E-02	0.00E+00
2.03E+01	3.06E+01	9.72E+00	-1.83E-02	0.00E+00
2.03E+01	3.06E+01	1.03E+01	-1.46E-02	0.00E+00
2.03E+01	3.05E+01	1.11E+01	-1.95E-02	0.00E+00
2.04E+01	3.06E+01	1.04E+01	-4.39E-02	0.00E+00
2.04E+01	3.06E+01	9.49E+00	-1.95E-02	0.00E+00
2.04E+01	3.06E+01	9.01E+00	-1.22E-02	0.00E+00
2.04E+01	3.05E+01	8.78E+00	-1.71E-02	0.00E+00
2.04E+01	3.07E+01	1.01E+01	-4.88E-02	0.00E+00
2.05E+01	3.06E+01	1.05E+01	-1.71E-02	0.00E+00
2.05E+01	3.05E+01	1.05E+01	-3.66E-02	0.00E+00
2.05E+01	3.06E+01	1.01E+01	-1.95E-02	0.00E+00
2.05E+01	3.05E+01	9.23E+00	-1.46E-02	0.00E+00
2.05E+01	3.05E+01	9.18E+00	-8.54E-03	0.00E+00
2.06E+01	3.06E+01	9.67E+00	-2.69E-02	0.00E+00
2.06E+01	3.06E+01	1.04E+01	-3.66E-03	0.00E+00
2.06E+01	3.05E+01	1.05E+01	-1.46E-02	0.00E+00
2.06E+01	3.05E+01	1.00E+01	-2.20E-02	0.00E+00
2.06E+01	3.08E+01	9.47E+00	-3.42E-02	0.00E+00
2.07E+01	3.05E+01	9.35E+00	1.22E-02	0.00E+00
2.07E+01	3.05E+01	9.26E+00	-7.32E-03	0.00E+00
2.07E+01	3.07E+01	9.88E+00	-2.20E-02	0.00E+00
2.07E+01	3.06E+01	1.05E+01	-2.08E-02	0.00E+00
2.07E+01	3.05E+01	1.03E+01	-2.93E-02	0.00E+00
2.08E+01	3.06E+01	9.72E+00	-1.71E-02	0.00E+00

2.08E+01	3.06E+01	9.47E+00	-7.32E-03	0.00E+00
2.08E+01	3.05E+01	9.07E+00	-4.88E-03	0.00E+00
2.08E+01	3.05E+01	9.65E+00	-1.83E-02	0.00E+00
2.08E+01	3.06E+01	1.01E+01	-2.44E-02	0.00E+00
2.09E+01	3.06E+01	1.03E+01	-1.95E-02	0.00E+00
2.09E+01	3.05E+01	9.90E+00	-1.83E-02	0.00E+00
2.09E+01	3.06E+01	9.62E+00	-2.69E-02	0.00E+00
2.09E+01	3.05E+01	9.50E+00	-1.59E-02	0.00E+00
2.09E+01	3.05E+01	9.62E+00	-1.34E-02	0.00E+00
2.10E+01	3.05E+01	9.75E+00	-1.22E-03	0.00E+00
2.10E+01	3.06E+01	1.01E+01	-2.32E-02	0.00E+00
2.10E+01	3.05E+01	1.01E+01	-7.32E-03	0.00E+00
2.10E+01	3.05E+01	9.91E+00	-9.77E-03	0.00E+00
2.10E+01	3.05E+01	9.32E+00	-2.69E-02	0.00E+00
2.11E+01	3.06E+01	9.56E+00	-7.32E-03	0.00E+00
2.11E+01	3.05E+01	9.78E+00	-4.88E-03	0.00E+00
2.11E+01	3.05E+01	1.02E+01	-3.66E-02	0.00E+00
2.11E+01	3.08E+01	1.02E+01	-2.32E-02	0.00E+00
2.11E+01	3.05E+01	9.84E+00	-1.46E-02	0.00E+00
2.12E+01	3.05E+01	9.50E+00	-1.46E-02	0.00E+00
2.12E+01	3.06E+01	9.56E+00	-2.44E-02	0.00E+00
2.12E+01	3.06E+01	9.69E+00	-1.34E-02	0.00E+00
2.12E+01	3.05E+01	9.96E+00	-7.32E-03	0.00E+00
2.12E+01	3.06E+01	9.87E+00	-1.71E-02	0.00E+00
2.13E+01	3.06E+01	9.99E+00	2.44E-03	0.00E+00
2.13E+01	3.05E+01	9.50E+00	-2.44E-03	0.00E+00
2.13E+01	3.07E+01	9.50E+00	-1.71E-02	0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1104A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1104.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 17:12.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 1536

Independe 0.02

Independe -3.9

Independe Sec

Time	Angle	Force	LiftgateMo	StrutCal	Displacement
Sec	Degrees	lbs	volts	inches	
-3.90E+00	7.59E+01	7.26E-01	-2.44E-02	0.00E+00	
-3.88E+00	7.58E+01	8.02E-01	-4.88E-03	0.00E+00	
-3.86E+00	7.58E+01	5.73E-01	-1.46E-02	0.00E+00	
-3.84E+00	7.58E+01	6.19E-01	-2.81E-02	0.00E+00	
-3.82E+00	7.59E+01	7.87E-01	-1.10E-02	0.00E+00	
-3.80E+00	7.57E+01	6.03E-01	-1.46E-02	0.00E+00	
-3.78E+00	7.57E+01	5.42E-01	-2.44E-02	0.00E+00	
-3.76E+00	7.58E+01	7.56E-01	-1.59E-02	0.00E+00	
-3.74E+00	7.57E+01	6.80E-01	-9.77E-03	0.00E+00	
-3.72E+00	7.58E+01	7.72E-01	-1.59E-02	0.00E+00	
-3.70E+00	7.59E+01	8.79E-01	-9.77E-03	0.00E+00	
-3.68E+00	7.58E+01	6.49E-01	-1.95E-02	0.00E+00	
-3.66E+00	7.59E+01	6.95E-01	-2.44E-02	0.00E+00	
-3.64E+00	7.59E+01	6.95E-01	-1.83E-02	0.00E+00	
-3.62E+00	7.58E+01	6.95E-01	-4.88E-03	0.00E+00	
-3.60E+00	7.58E+01	5.58E-01	-1.46E-02	0.00E+00	
-3.58E+00	7.59E+01	8.48E-01	-3.42E-02	0.00E+00	
-3.56E+00	7.58E+01	6.49E-01	-3.66E-03	0.00E+00	
-3.54E+00	7.58E+01	4.51E-01	-1.71E-02	0.00E+00	
-3.52E+00	7.59E+01	6.95E-01	-3.42E-02	0.00E+00	
-3.50E+00	7.59E+01	9.40E-01	-2.44E-03	0.00E+00	
-3.48E+00	7.58E+01	4.51E-01	-1.95E-02	0.00E+00	
-3.46E+00	7.58E+01	6.49E-01	-2.44E-02	0.00E+00	
-3.44E+00	7.58E+01	8.33E-01	-1.34E-02	0.00E+00	
-3.42E+00	7.57E+01	5.58E-01	-4.52E-02	0.00E+00	
-3.40E+00	7.58E+01	6.95E-01	-2.20E-02	0.00E+00	
-3.38E+00	7.58E+01	7.41E-01	-3.78E-02	0.00E+00	
-3.36E+00	7.58E+01	6.65E-01	-7.32E-03	0.00E+00	
-3.34E+00	7.58E+01	6.65E-01	-2.44E-02	0.00E+00	
-3.32E+00	7.58E+01	6.34E-01	-4.03E-02	0.00E+00	
-3.30E+00	7.58E+01	6.49E-01	-7.32E-03	0.00E+00	

-3.28E+00	7.58E+01	5.12E-01	-2.08E-02	0.00E+00
-3.26E+00	7.58E+01	7.26E-01	-1.71E-02	0.00E+00
-3.24E+00	7.58E+01	7.10E-01	-7.32E-03	0.00E+00
-3.22E+00	7.58E+01	5.73E-01	-1.59E-02	0.00E+00
-3.20E+00	7.60E+01	6.65E-01	-1.95E-02	0.00E+00
-3.18E+00	7.57E+01	3.28E-01	-1.83E-02	0.00E+00
-3.16E+00	7.58E+01	5.73E-01	-1.71E-02	0.00E+00
-3.14E+00	7.60E+01	6.65E-01	-1.71E-02	0.00E+00
-3.12E+00	7.58E+01	9.09E-01	0.00E+00	0.00E+00
-3.10E+00	7.58E+01	4.81E-01	-3.05E-02	0.00E+00
-3.08E+00	7.59E+01	6.34E-01	-2.69E-02	0.00E+00
-3.06E+00	7.59E+01	6.65E-01	-1.71E-02	0.00E+00
-3.04E+00	7.58E+01	6.95E-01	-1.46E-02	0.00E+00
-3.02E+00	7.60E+01	6.80E-01	-7.32E-03	0.00E+00
-3.00E+00	7.59E+01	8.63E-01	-1.83E-02	0.00E+00
-2.98E+00	7.56E+01	4.51E-01	-7.32E-03	0.00E+00
-2.96E+00	7.59E+01	5.12E-01	-3.17E-02	0.00E+00
-2.94E+00	7.58E+01	7.87E-01	-2.20E-02	0.00E+00
-2.92E+00	7.58E+01	6.80E-01	-1.71E-02	0.00E+00
-2.90E+00	7.58E+01	5.12E-01	-2.44E-02	0.00E+00
-2.88E+00	7.59E+01	4.81E-01	-2.20E-02	0.00E+00
-2.86E+00	7.58E+01	6.49E-01	9.77E-03	0.00E+00
-2.84E+00	7.57E+01	6.03E-01	-6.10E-03	0.00E+00
-2.82E+00	7.57E+01	4.66E-01	-2.44E-02	0.00E+00
-2.80E+00	7.59E+01	8.02E-01	-1.22E-02	0.00E+00
-2.78E+00	7.58E+01	6.49E-01	-1.59E-02	0.00E+00
-2.76E+00	7.58E+01	5.42E-01	-1.83E-02	0.00E+00
-2.74E+00	7.59E+01	5.88E-01	-2.93E-02	0.00E+00
-2.72E+00	7.59E+01	4.35E-01	-1.22E-02	0.00E+00
-2.70E+00	7.57E+01	5.73E-01	-1.22E-02	0.00E+00
-2.68E+00	7.58E+01	6.95E-01	-1.22E-02	0.00E+00
-2.66E+00	7.58E+01	8.02E-01	-1.71E-02	0.00E+00
-2.64E+00	7.58E+01	6.65E-01	-2.69E-02	0.00E+00
-2.62E+00	7.58E+01	6.19E-01	-2.93E-02	0.00E+00
-2.60E+00	7.59E+01	6.95E-01	-1.83E-02	0.00E+00
-2.58E+00	7.57E+01	6.19E-01	-9.77E-03	0.00E+00
-2.56E+00	7.59E+01	7.56E-01	-1.22E-02	0.00E+00
-2.54E+00	7.58E+01	8.02E-01	-1.22E-02	0.00E+00
-2.52E+00	7.55E+01	5.12E-01	-1.46E-02	0.00E+00
-2.50E+00	7.59E+01	7.10E-01	-3.30E-02	0.00E+00
-2.48E+00	7.58E+01	4.81E-01	-9.77E-03	0.00E+00
-2.46E+00	7.58E+01	5.12E-01	-1.95E-02	0.00E+00
-2.44E+00	7.58E+01	6.34E-01	-1.95E-02	0.00E+00
-2.42E+00	7.59E+01	6.03E-01	-1.46E-02	0.00E+00
-2.40E+00	7.58E+01	6.34E-01	-1.22E-03	0.00E+00
-2.38E+00	7.58E+01	6.65E-01	-1.22E-02	0.00E+00
-2.36E+00	7.59E+01	5.73E-01	-2.08E-02	0.00E+00

-2.34E+00	7.59E+01	6.95E-01	-2.44E-02	0.00E+00
-2.32E+00	7.57E+01	5.12E-01	-1.22E-02	0.00E+00
-2.30E+00	7.58E+01	4.51E-01	-1.71E-02	0.00E+00
-2.28E+00	7.58E+01	6.95E-01	-1.95E-02	0.00E+00
-2.26E+00	7.59E+01	7.87E-01	-1.10E-02	0.00E+00
-2.24E+00	7.58E+01	6.65E-01	-1.95E-02	0.00E+00
-2.22E+00	7.60E+01	7.26E-01	-9.77E-03	0.00E+00
-2.20E+00	7.59E+01	9.70E-01	-3.66E-03	0.00E+00
-2.18E+00	7.58E+01	6.65E-01	9.77E-03	0.00E+00
-2.16E+00	7.58E+01	6.95E-01	-2.69E-02	0.00E+00
-2.14E+00	7.58E+01	5.73E-01	-1.71E-02	0.00E+00
-2.12E+00	7.57E+01	6.03E-01	-4.88E-03	0.00E+00
-2.10E+00	7.59E+01	6.19E-01	-7.32E-03	0.00E+00
-2.08E+00	7.59E+01	7.41E-01	-1.22E-02	0.00E+00
-2.06E+00	7.57E+01	6.95E-01	-1.95E-02	0.00E+00
-2.04E+00	7.58E+01	5.88E-01	-2.81E-02	0.00E+00
-2.02E+00	7.59E+01	9.70E-01	-2.44E-03	0.00E+00
-2.00E+00	7.57E+01	5.12E-01	-2.20E-02	0.00E+00
-1.98E+00	7.58E+01	4.96E-01	-7.32E-03	0.00E+00
-1.96E+00	7.59E+01	6.65E-01	-2.69E-02	0.00E+00
-1.94E+00	7.58E+01	6.95E-01	-1.71E-02	0.00E+00
-1.92E+00	7.57E+01	2.67E-01	-1.95E-02	0.00E+00
-1.90E+00	7.58E+01	6.03E-01	-4.88E-03	0.00E+00
-1.88E+00	7.58E+01	7.87E-01	-1.95E-02	0.00E+00
-1.86E+00	7.57E+01	3.89E-01	-1.22E-02	0.00E+00
-1.84E+00	7.58E+01	6.65E-01	-1.10E-02	0.00E+00
-1.82E+00	7.58E+01	6.80E-01	-1.71E-02	0.00E+00
-1.80E+00	7.58E+01	4.20E-01	-2.69E-02	0.00E+00
-1.78E+00	7.58E+01	5.58E-01	-3.17E-02	0.00E+00
-1.76E+00	7.58E+01	6.34E-01	-2.93E-02	0.00E+00
-1.74E+00	7.58E+01	6.34E-01	-9.77E-03	0.00E+00
-1.72E+00	7.57E+01	5.42E-01	-5.13E-02	0.00E+00
-1.70E+00	7.59E+01	5.73E-01	-1.95E-02	0.00E+00
-1.68E+00	7.57E+01	6.65E-01	-1.71E-02	0.00E+00
-1.66E+00	7.58E+01	6.49E-01	-4.88E-03	0.00E+00
-1.64E+00	7.58E+01	4.51E-01	-2.93E-02	0.00E+00
-1.62E+00	7.60E+01	7.26E-01	-7.32E-03	0.00E+00
-1.60E+00	7.59E+01	8.79E-01	-7.32E-03	0.00E+00
-1.58E+00	7.59E+01	6.65E-01	-1.71E-02	0.00E+00
-1.56E+00	7.58E+01	6.03E-01	-2.93E-02	0.00E+00
-1.54E+00	7.58E+01	8.79E-01	4.88E-03	0.00E+00
-1.52E+00	7.58E+01	5.42E-01	-9.77E-03	0.00E+00
-1.50E+00	7.58E+01	8.18E-01	-2.32E-02	0.00E+00
-1.48E+00	7.59E+01	6.03E-01	-1.95E-02	0.00E+00
-1.46E+00	7.57E+01	6.95E-01	-2.44E-03	0.00E+00
-1.44E+00	7.57E+01	8.48E-01	-7.32E-03	0.00E+00
-1.42E+00	7.58E+01	5.12E-01	-1.22E-02	0.00E+00

-1.40E+00	7.59E+01	1.14E+00	-9.77E-03	0.00E+00
-1.38E+00	7.57E+01	6.95E-01	-1.34E-02	0.00E+00
-1.36E+00	7.58E+01	5.12E-01	-3.91E-02	0.00E+00
-1.34E+00	7.59E+01	6.19E-01	-2.44E-02	0.00E+00
-1.32E+00	7.58E+01	6.95E-01	-2.69E-02	0.00E+00
-1.30E+00	7.57E+01	5.88E-01	-1.95E-02	0.00E+00
-1.28E+00	7.59E+01	6.03E-01	-2.44E-02	0.00E+00
-1.26E+00	7.58E+01	6.65E-01	-3.78E-02	0.00E+00
-1.24E+00	7.57E+01	5.42E-01	-2.20E-02	0.00E+00
-1.22E+00	7.59E+01	1.00E+00	2.44E-03	0.00E+00
-1.20E+00	7.58E+01	7.26E-01	-2.69E-02	0.00E+00
-1.18E+00	7.57E+01	6.65E-01	-7.32E-03	0.00E+00
-1.16E+00	7.57E+01	6.49E-01	-1.95E-02	0.00E+00
-1.14E+00	7.59E+01	6.80E-01	-7.32E-03	0.00E+00
-1.12E+00	7.59E+01	6.34E-01	-1.46E-02	0.00E+00
-1.10E+00	7.58E+01	4.96E-01	-1.22E-02	0.00E+00
-1.08E+00	7.58E+01	5.73E-01	-3.54E-02	0.00E+00
-1.06E+00	7.59E+01	9.09E-01	-1.34E-02	0.00E+00
-1.04E+00	7.58E+01	5.88E-01	-2.81E-02	0.00E+00
-1.02E+00	7.57E+01	4.96E-01	-1.22E-02	0.00E+00
-1.00E+00	7.58E+01	5.88E-01	-3.42E-02	0.00E+00
-9.80E-01	7.58E+01	6.95E-01	-9.77E-03	0.00E+00
-9.60E-01	7.58E+01	8.33E-01	-9.77E-03	0.00E+00
-9.40E-01	7.58E+01	5.58E-01	-2.69E-02	0.00E+00
-9.20E-01	7.59E+01	6.95E-01	-2.20E-02	0.00E+00
-9.00E-01	7.59E+01	8.18E-01	-1.10E-02	0.00E+00
-8.80E-01	7.58E+01	6.49E-01	-2.20E-02	0.00E+00
-8.60E-01	7.58E+01	3.59E-01	-2.44E-02	0.00E+00
-8.40E-01	7.60E+01	7.56E-01	-2.44E-02	0.00E+00
-8.20E-01	7.58E+01	7.87E-01	-1.22E-02	0.00E+00
-8.00E-01	7.58E+01	5.42E-01	-1.22E-02	0.00E+00
-7.80E-01	7.58E+01	6.19E-01	-3.66E-02	0.00E+00
-7.60E-01	7.59E+01	8.18E-01	-1.22E-02	0.00E+00
-7.40E-01	7.58E+01	5.42E-01	-2.20E-02	0.00E+00
-7.20E-01	7.57E+01	4.20E-01	-1.59E-02	0.00E+00
-7.00E-01	7.54E+01	6.95E-01	-2.20E-02	0.00E+00
-6.80E-01	7.52E+01	5.58E-01	-3.66E-03	0.00E+00
-6.60E-01	7.53E+01	5.42E-01	-1.71E-02	0.00E+00
-6.40E-01	7.53E+01	6.34E-01	-2.44E-02	0.00E+00
-6.20E-01	7.54E+01	9.70E-01	-1.71E-02	0.00E+00
-6.00E-01	7.53E+01	5.12E-01	-1.46E-02	0.00E+00
-5.80E-01	7.54E+01	7.26E-01	-1.22E-02	0.00E+00
-5.60E-01	7.55E+01	5.42E-01	-2.44E-02	0.00E+00
-5.40E-01	7.57E+01	6.34E-01	-1.46E-02	0.00E+00
-5.20E-01	7.57E+01	6.34E-01	-3.17E-02	0.00E+00
-5.00E-01	7.57E+01	6.34E-01	-1.95E-02	0.00E+00
-4.80E-01	7.53E+01	7.56E-01	-2.20E-02	0.00E+00

-4.60E-01	7.52E+01	4.35E-01	-1.95E-02	0.00E+00
-4.40E-01	7.54E+01	8.18E-01	-3.17E-02	0.00E+00
-4.20E-01	7.52E+01	6.03E-01	-2.20E-02	0.00E+00
-4.00E-01	7.53E+01	4.96E-01	-1.71E-02	0.00E+00
-3.80E-01	7.54E+01	6.95E-01	-3.30E-02	0.00E+00
-3.60E-01	7.53E+01	7.56E-01	-1.46E-02	0.00E+00
-3.40E-01	7.53E+01	6.34E-01	-3.91E-02	0.00E+00
-3.20E-01	7.52E+01	4.81E-01	-1.95E-02	0.00E+00
-3.00E-01	7.54E+01	5.73E-01	-2.93E-02	0.00E+00
-2.80E-01	7.53E+01	7.10E-01	1.59E-02	0.00E+00
-2.60E-01	7.53E+01	6.34E-01	-1.10E-02	0.00E+00
-2.40E-01	7.52E+01	5.73E-01	-2.81E-02	0.00E+00
-2.20E-01	7.53E+01	6.19E-01	-3.66E-02	0.00E+00
-2.00E-01	7.53E+01	7.26E-01	-1.22E-02	0.00E+00
-1.80E-01	7.52E+01	6.34E-01	-1.10E-02	0.00E+00
-1.60E-01	7.50E+01	5.73E-01	-1.22E-02	0.00E+00
-1.40E-01	7.47E+01	5.12E-01	-2.69E-02	0.00E+00
-1.20E-01	7.47E+01	7.56E-01	9.77E-03	0.00E+00
-1.00E-01	7.46E+01	6.65E-01	-1.83E-02	0.00E+00
-8.00E-02	7.47E+01	5.42E-01	-1.95E-02	0.00E+00
-6.00E-02	7.48E+01	7.26E-01	-1.71E-02	0.00E+00
-4.00E-02	7.46E+01	6.03E-01	-9.77E-03	0.00E+00
-2.00E-02	7.43E+01	6.03E-01	-9.77E-03	0.00E+00
0.00E+00	7.41E+01	5.73E-01	-2.20E-02	0.00E+00
2.00E-02	7.42E+01	1.00E+00	-1.95E-02	0.00E+00
4.00E-02	7.41E+01	5.42E-01	-1.95E-02	0.00E+00
6.00E-02	7.38E+01	4.51E-01	-1.34E-02	0.00E+00
8.00E-02	7.36E+01	6.49E-01	-1.95E-02	0.00E+00
1.00E-01	7.36E+01	5.73E-01	-6.10E-03	0.00E+00
1.20E-01	7.35E+01	6.19E-01	-1.71E-02	0.00E+00
1.40E-01	7.29E+01	5.88E-01	-1.83E-02	0.00E+00
1.60E-01	7.30E+01	8.63E-01	-1.46E-02	0.00E+00
1.80E-01	7.29E+01	5.42E-01	7.32E-03	0.00E+00
2.00E-01	7.27E+01	6.03E-01	-1.71E-02	0.00E+00
2.20E-01	7.24E+01	7.56E-01	-1.71E-02	0.00E+00
2.40E-01	7.24E+01	6.80E-01	7.32E-03	0.00E+00
2.60E-01	7.23E+01	8.48E-01	-4.52E-02	0.00E+00
2.80E-01	7.20E+01	6.65E-01	-1.71E-02	0.00E+00
3.00E-01	7.18E+01	8.18E-01	-1.83E-02	0.00E+00
3.20E-01	7.17E+01	5.12E-01	2.32E-02	0.00E+00
3.40E-01	7.14E+01	5.73E-01	-2.56E-02	0.00E+00
3.60E-01	7.13E+01	8.18E-01	-3.66E-02	0.00E+00
3.80E-01	7.12E+01	6.95E-01	-2.08E-02	0.00E+00
4.00E-01	7.10E+01	4.81E-01	-9.77E-03	0.00E+00
4.20E-01	7.12E+01	7.56E-01	-1.10E-02	0.00E+00
4.40E-01	7.06E+01	7.10E-01	-6.10E-03	0.00E+00
4.60E-01	7.04E+01	8.79E-01	-8.54E-03	0.00E+00

4.80E-01	7.06E+01	4.96E-01	-3.05E-02	0.00E+00
5.00E-01	7.02E+01	7.56E-01	-1.71E-02	0.00E+00
5.20E-01	6.96E+01	5.73E-01	-9.77E-03	0.00E+00
5.40E-01	6.99E+01	8.48E-01	-9.77E-03	0.00E+00
5.60E-01	6.96E+01	6.65E-01	-3.54E-02	0.00E+00
5.80E-01	6.91E+01	4.51E-01	-1.22E-02	0.00E+00
6.00E-01	6.91E+01	6.34E-01	-1.71E-02	0.00E+00
6.20E-01	6.90E+01	6.03E-01	-1.59E-02	0.00E+00
6.40E-01	6.86E+01	8.18E-01	-1.59E-02	0.00E+00
6.60E-01	6.83E+01	6.19E-01	-1.10E-02	0.00E+00
6.80E-01	6.83E+01	5.27E-01	-1.83E-02	0.00E+00
7.00E-01	6.81E+01	6.03E-01	-3.05E-02	0.00E+00
7.20E-01	6.78E+01	8.18E-01	-9.77E-03	0.00E+00
7.40E-01	6.77E+01	6.65E-01	0.00E+00	0.00E+00
7.60E-01	6.75E+01	6.19E-01	-9.77E-03	0.00E+00
7.80E-01	6.72E+01	7.10E-01	-1.46E-02	0.00E+00
8.00E-01	6.72E+01	9.70E-01	-1.22E-03	0.00E+00
8.20E-01	6.71E+01	5.12E-01	-2.44E-02	0.00E+00
8.40E-01	6.67E+01	6.34E-01	-2.32E-02	0.00E+00
8.60E-01	6.66E+01	8.94E-01	-1.71E-02	0.00E+00
8.80E-01	6.66E+01	6.80E-01	1.10E-02	0.00E+00
9.00E-01	6.61E+01	6.34E-01	-2.32E-02	0.00E+00
9.20E-01	6.60E+01	6.65E-01	-2.08E-02	0.00E+00
9.40E-01	6.59E+01	1.03E+00	-9.77E-03	0.00E+00
9.60E-01	6.54E+01	6.03E-01	-4.39E-02	0.00E+00
9.80E-01	6.55E+01	6.65E-01	-2.20E-02	0.00E+00
1.00E+00	6.54E+01	7.87E-01	0.00E+00	0.00E+00
1.02E+00	6.50E+01	5.42E-01	-1.59E-02	0.00E+00
1.04E+00	6.49E+01	6.65E-01	-2.44E-02	0.00E+00
1.06E+00	6.48E+01	8.18E-01	-1.46E-02	0.00E+00
1.08E+00	6.43E+01	6.80E-01	-6.10E-03	0.00E+00
1.10E+00	6.43E+01	6.95E-01	-6.10E-03	0.00E+00
1.12E+00	6.44E+01	7.26E-01	-2.44E-02	0.00E+00
1.14E+00	6.37E+01	7.72E-01	7.32E-03	0.00E+00
1.16E+00	6.37E+01	9.09E-01	-1.10E-02	0.00E+00
1.18E+00	6.36E+01	5.12E-01	-4.88E-03	0.00E+00
1.20E+00	6.32E+01	6.95E-01	-1.59E-02	0.00E+00
1.22E+00	6.30E+01	7.56E-01	-1.34E-02	0.00E+00
1.24E+00	6.30E+01	3.59E-01	-1.71E-02	0.00E+00
1.26E+00	6.26E+01	6.95E-01	-2.69E-02	0.00E+00
1.28E+00	6.25E+01	8.18E-01	-2.44E-03	0.00E+00
1.30E+00	6.24E+01	6.65E-01	-1.95E-02	0.00E+00
1.32E+00	6.20E+01	6.34E-01	-1.95E-02	0.00E+00
1.34E+00	6.20E+01	7.10E-01	-1.59E-02	0.00E+00
1.36E+00	6.18E+01	6.03E-01	-8.54E-03	0.00E+00
1.38E+00	6.14E+01	4.20E-01	-2.44E-02	0.00E+00
1.40E+00	6.14E+01	7.26E-01	-4.39E-02	0.00E+00

1.42E+00	6.12E+01	4.05E-01	-4.88E-03	0.00E+00
1.44E+00	6.07E+01	4.20E-01	-3.54E-02	0.00E+00
1.46E+00	6.10E+01	7.56E-01	-2.69E-02	0.00E+00
1.48E+00	6.06E+01	6.03E-01	-1.46E-02	0.00E+00
1.50E+00	6.01E+01	4.20E-01	-1.95E-02	0.00E+00
1.52E+00	6.02E+01	6.95E-01	-2.69E-02	0.00E+00
1.54E+00	5.99E+01	6.03E-01	-2.44E-03	0.00E+00
1.56E+00	5.95E+01	5.12E-01	-9.77E-03	0.00E+00
1.58E+00	5.96E+01	5.12E-01	-2.93E-02	0.00E+00
1.60E+00	5.94E+01	4.20E-01	-1.10E-02	0.00E+00
1.62E+00	5.90E+01	6.03E-01	0.00E+00	0.00E+00
1.64E+00	5.89E+01	7.26E-01	-1.71E-02	0.00E+00
1.66E+00	5.88E+01	5.42E-01	-2.44E-02	0.00E+00
1.68E+00	5.85E+01	6.34E-01	-9.77E-03	0.00E+00
1.70E+00	5.86E+01	5.73E-01	-1.83E-02	0.00E+00
1.72E+00	5.80E+01	6.34E-01	-2.44E-02	0.00E+00
1.74E+00	5.79E+01	7.41E-01	-4.88E-03	0.00E+00
1.76E+00	5.78E+01	4.81E-01	4.88E-03	0.00E+00
1.78E+00	5.73E+01	7.87E-01	-3.91E-02	0.00E+00
1.80E+00	5.73E+01	6.34E-01	-1.46E-02	0.00E+00
1.82E+00	5.70E+01	7.87E-01	-8.54E-03	0.00E+00
1.84E+00	5.68E+01	5.42E-01	-1.71E-02	0.00E+00
1.86E+00	5.67E+01	9.70E-01	-1.95E-02	0.00E+00
1.88E+00	5.61E+01	6.65E-01	-1.71E-02	0.00E+00
1.90E+00	5.61E+01	8.79E-01	-9.77E-03	0.00E+00
1.92E+00	5.60E+01	4.51E-01	-3.91E-02	0.00E+00
1.94E+00	5.56E+01	6.65E-01	-2.69E-02	0.00E+00
1.96E+00	5.56E+01	6.34E-01	-1.83E-02	0.00E+00
1.98E+00	5.52E+01	5.73E-01	-4.88E-03	0.00E+00
2.00E+00	5.50E+01	4.05E-01	-2.32E-02	0.00E+00
2.02E+00	5.50E+01	9.09E-01	-7.32E-03	0.00E+00
2.04E+00	5.44E+01	8.18E-01	-9.77E-03	0.00E+00
2.06E+00	5.43E+01	5.12E-01	-3.17E-02	0.00E+00
2.08E+00	5.44E+01	6.03E-01	-1.71E-02	0.00E+00
2.10E+00	5.38E+01	6.34E-01	-7.32E-03	0.00E+00
2.12E+00	5.37E+01	5.42E-01	-8.54E-03	0.00E+00
2.14E+00	5.35E+01	6.03E-01	-2.93E-02	0.00E+00
2.16E+00	5.33E+01	6.19E-01	-1.95E-02	0.00E+00
2.18E+00	5.32E+01	6.34E-01	-1.34E-02	0.00E+00
2.20E+00	5.25E+01	5.73E-01	-1.59E-02	0.00E+00
2.22E+00	5.27E+01	6.03E-01	-1.22E-02	0.00E+00
2.24E+00	5.23E+01	5.42E-01	0.00E+00	0.00E+00
2.26E+00	5.20E+01	7.87E-01	-1.71E-02	0.00E+00
2.28E+00	5.20E+01	4.51E-01	-1.71E-02	0.00E+00
2.30E+00	5.16E+01	8.48E-01	-2.44E-02	0.00E+00
2.32E+00	5.12E+01	7.56E-01	-1.95E-02	0.00E+00
2.34E+00	5.15E+01	6.95E-01	-9.77E-03	0.00E+00

2.36E+00	5.09E+01	6.03E-01	-2.69E-02	0.00E+00
2.38E+00	5.09E+01	7.41E-01	-2.93E-02	0.00E+00
2.40E+00	5.06E+01	7.10E-01	-2.44E-02	0.00E+00
2.42E+00	5.02E+01	6.03E-01	-9.77E-03	0.00E+00
2.44E+00	5.03E+01	5.73E-01	-1.95E-02	0.00E+00
2.46E+00	4.99E+01	9.55E-01	-2.56E-02	0.00E+00
2.48E+00	4.97E+01	6.34E-01	-9.77E-03	0.00E+00
2.50E+00	4.97E+01	6.03E-01	-1.46E-02	0.00E+00
2.52E+00	4.92E+01	5.42E-01	-2.32E-02	0.00E+00
2.54E+00	4.93E+01	7.56E-01	-1.46E-02	0.00E+00
2.56E+00	4.89E+01	6.49E-01	-7.32E-03	0.00E+00
2.58E+00	4.85E+01	5.73E-01	-2.32E-02	0.00E+00
2.60E+00	4.86E+01	7.10E-01	-2.69E-02	0.00E+00
2.62E+00	4.81E+01	8.18E-01	-3.91E-02	0.00E+00
2.64E+00	4.79E+01	6.34E-01	-9.77E-03	0.00E+00
2.66E+00	4.78E+01	5.42E-01	-1.22E-02	0.00E+00
2.68E+00	4.76E+01	5.88E-01	-2.20E-02	0.00E+00
2.70E+00	4.74E+01	7.87E-01	-4.88E-03	0.00E+00
2.72E+00	4.71E+01	5.73E-01	-2.93E-02	0.00E+00
2.74E+00	4.69E+01	4.81E-01	-1.83E-02	0.00E+00
2.76E+00	4.66E+01	7.72E-01	4.88E-03	0.00E+00
2.78E+00	4.62E+01	8.79E-01	-7.32E-03	0.00E+00
2.80E+00	4.62E+01	6.34E-01	-1.46E-02	0.00E+00
2.82E+00	4.58E+01	7.56E-01	-2.32E-02	0.00E+00
2.84E+00	4.58E+01	8.18E-01	-2.32E-02	0.00E+00
2.86E+00	4.53E+01	4.05E-01	-1.71E-02	0.00E+00
2.88E+00	4.51E+01	5.73E-01	-1.95E-02	0.00E+00
2.90E+00	4.51E+01	6.95E-01	-1.83E-02	0.00E+00
2.92E+00	4.45E+01	6.03E-01	-9.77E-03	0.00E+00
2.94E+00	4.45E+01	3.89E-01	-2.20E-02	0.00E+00
2.96E+00	4.41E+01	7.56E-01	-4.39E-02	0.00E+00
2.98E+00	4.39E+01	6.34E-01	-1.71E-02	0.00E+00
3.00E+00	4.36E+01	6.95E-01	-1.59E-02	0.00E+00
3.02E+00	4.34E+01	5.73E-01	-2.93E-02	0.00E+00
3.04E+00	4.35E+01	6.65E-01	-1.71E-02	0.00E+00
3.06E+00	4.28E+01	6.34E-01	-1.22E-02	0.00E+00
3.08E+00	4.27E+01	8.18E-01	-1.10E-02	0.00E+00
3.10E+00	4.24E+01	5.42E-01	-3.30E-02	0.00E+00
3.12E+00	4.23E+01	8.02E-01	-1.34E-02	0.00E+00
3.14E+00	4.19E+01	6.03E-01	-9.77E-03	0.00E+00
3.16E+00	4.16E+01	2.52E-01	-2.93E-02	0.00E+00
3.18E+00	4.16E+01	6.80E-01	-3.42E-02	0.00E+00
3.20E+00	4.10E+01	7.56E-01	0.00E+00	0.00E+00
3.22E+00	4.11E+01	5.12E-01	-7.32E-03	0.00E+00
3.24E+00	4.08E+01	5.73E-01	-2.20E-02	0.00E+00
3.26E+00	4.07E+01	6.80E-01	-1.22E-02	0.00E+00
3.28E+00	4.02E+01	6.95E-01	-1.22E-03	0.00E+00

3.30E+00	4.01E+01	5.73E-01	-1.46E-02	0.00E+00
3.32E+00	3.99E+01	7.72E-01	-3.66E-02	0.00E+00
3.34E+00	3.94E+01	9.40E-01	-3.17E-02	0.00E+00
3.36E+00	3.92E+01	6.03E-01	-1.71E-02	0.00E+00
3.38E+00	3.91E+01	5.58E-01	-1.95E-02	0.00E+00
3.40E+00	3.88E+01	9.25E-01	-9.77E-03	0.00E+00
3.42E+00	3.85E+01	7.41E-01	-7.32E-03	0.00E+00
3.44E+00	3.83E+01	4.81E-01	-7.32E-03	0.00E+00
3.46E+00	3.82E+01	5.73E-01	-2.20E-02	0.00E+00
3.48E+00	3.79E+01	7.26E-01	-1.95E-02	0.00E+00
3.50E+00	3.75E+01	6.34E-01	-1.95E-02	0.00E+00
3.52E+00	3.74E+01	5.58E-01	-7.32E-03	0.00E+00
3.54E+00	3.71E+01	6.65E-01	-1.83E-02	0.00E+00
3.56E+00	3.69E+01	6.80E-01	-9.77E-03	0.00E+00
3.58E+00	3.65E+01	8.48E-01	-2.56E-02	0.00E+00
3.60E+00	3.63E+01	6.34E-01	-1.95E-02	0.00E+00
3.62E+00	3.60E+01	7.56E-01	-8.54E-03	0.00E+00
3.64E+00	3.57E+01	5.12E-01	-1.59E-02	0.00E+00
3.66E+00	3.55E+01	6.34E-01	-1.71E-02	0.00E+00
3.68E+00	3.52E+01	6.03E-01	-3.17E-02	0.00E+00
3.70E+00	3.49E+01	5.27E-01	-7.32E-03	0.00E+00
3.72E+00	3.46E+01	5.42E-01	-2.44E-02	0.00E+00
3.74E+00	3.44E+01	7.56E-01	-6.10E-03	0.00E+00
3.76E+00	3.41E+01	3.89E-01	-7.32E-03	0.00E+00
3.78E+00	3.40E+01	5.42E-01	-1.46E-02	0.00E+00
3.80E+00	3.36E+01	7.56E-01	-1.95E-02	0.00E+00
3.82E+00	3.34E+01	6.49E-01	1.10E-02	0.00E+00
3.84E+00	3.29E+01	5.42E-01	-1.71E-02	0.00E+00
3.86E+00	3.29E+01	5.27E-01	-2.69E-02	0.00E+00
3.88E+00	3.23E+01	7.56E-01	-2.20E-02	0.00E+00
3.90E+00	3.21E+01	5.27E-01	-4.88E-03	0.00E+00
3.92E+00	3.18E+01	7.41E-01	-2.20E-02	0.00E+00
3.94E+00	3.19E+01	5.73E-01	-2.56E-02	0.00E+00
3.96E+00	3.12E+01	6.80E-01	-1.10E-02	0.00E+00
3.98E+00	3.10E+01	6.95E-01	-1.95E-02	0.00E+00
4.00E+00	3.05E+01	6.34E-01	-4.88E-03	0.00E+00
4.02E+00	3.06E+01	8.18E-01	-4.15E-02	0.00E+00
4.04E+00	3.00E+01	6.19E-01	-3.66E-03	0.00E+00
4.06E+00	3.00E+01	5.12E-01	-1.95E-02	0.00E+00
4.08E+00	2.93E+01	6.03E-01	-3.42E-02	0.00E+00
4.10E+00	2.95E+01	6.19E-01	-1.95E-02	0.00E+00
4.12E+00	2.88E+01	5.42E-01	2.44E-03	0.00E+00
4.14E+00	2.89E+01	5.42E-01	-2.20E-02	0.00E+00
4.16E+00	2.84E+01	7.26E-01	-3.17E-02	0.00E+00
4.18E+00	2.83E+01	7.56E-01	-1.22E-02	0.00E+00
4.20E+00	2.76E+01	4.81E-01	-1.71E-02	0.00E+00
4.22E+00	2.77E+01	7.87E-01	-2.44E-02	0.00E+00

4.24E+00	2.71E+01	6.65E-01	-1.95E-02	0.00E+00
4.26E+00	2.71E+01	8.33E-01	-1.10E-02	0.00E+00
4.28E+00	2.63E+01	4.66E-01	-1.46E-02	0.00E+00
4.30E+00	2.63E+01	5.73E-01	-1.95E-02	0.00E+00
4.32E+00	2.60E+01	6.49E-01	-1.83E-02	0.00E+00
4.34E+00	2.56E+01	7.87E-01	-1.46E-02	0.00E+00
4.36E+00	2.53E+01	4.81E-01	0.00E+00	0.00E+00
4.38E+00	2.50E+01	7.87E-01	-2.44E-02	0.00E+00
4.40E+00	2.48E+01	7.56E-01	-2.20E-02	0.00E+00
4.42E+00	2.44E+01	6.65E-01	-9.77E-03	0.00E+00
4.44E+00	2.42E+01	7.41E-01	-2.81E-02	0.00E+00
4.46E+00	2.39E+01	7.56E-01	-1.95E-02	0.00E+00
4.48E+00	2.37E+01	5.12E-01	-1.22E-02	0.00E+00
4.50E+00	2.36E+01	6.19E-01	-2.69E-02	0.00E+00
4.52E+00	2.31E+01	4.51E-01	-2.69E-02	0.00E+00
4.54E+00	2.30E+01	6.03E-01	-3.66E-02	0.00E+00
4.56E+00	2.24E+01	8.18E-01	-8.54E-03	0.00E+00
4.58E+00	2.24E+01	4.66E-01	-1.71E-02	0.00E+00
4.60E+00	2.20E+01	7.56E-01	-2.69E-02	0.00E+00
4.62E+00	2.19E+01	6.65E-01	-3.17E-02	0.00E+00
4.64E+00	2.15E+01	6.34E-01	-2.08E-02	0.00E+00
4.66E+00	2.12E+01	7.26E-01	-2.20E-02	0.00E+00
4.68E+00	2.09E+01	8.18E-01	-2.56E-02	0.00E+00
4.70E+00	2.07E+01	7.56E-01	-1.83E-02	0.00E+00
4.72E+00	2.03E+01	4.81E-01	-6.10E-03	0.00E+00
4.74E+00	2.01E+01	6.03E-01	-2.81E-02	0.00E+00
4.76E+00	1.96E+01	7.72E-01	-1.10E-02	0.00E+00
4.78E+00	1.93E+01	5.12E-01	-1.10E-02	0.00E+00
4.80E+00	1.89E+01	6.34E-01	-9.77E-03	0.00E+00
4.82E+00	1.89E+01	6.03E-01	-9.77E-03	0.00E+00
4.84E+00	1.82E+01	1.06E+00	-1.46E-02	0.00E+00
4.86E+00	1.85E+01	5.42E-01	-1.22E-02	0.00E+00
4.88E+00	1.78E+01	5.73E-01	-2.81E-02	0.00E+00
4.90E+00	1.79E+01	8.18E-01	-1.71E-02	0.00E+00
4.92E+00	1.72E+01	4.81E-01	-8.54E-03	0.00E+00
4.94E+00	1.73E+01	6.65E-01	-3.30E-02	0.00E+00
4.96E+00	1.67E+01	7.26E-01	-2.44E-02	0.00E+00
4.98E+00	1.66E+01	6.03E-01	-7.32E-03	0.00E+00
5.00E+00	1.61E+01	5.42E-01	-1.71E-02	0.00E+00
5.02E+00	1.61E+01	5.12E-01	-2.20E-02	0.00E+00
5.04E+00	1.56E+01	7.87E-01	-2.69E-02	0.00E+00
5.06E+00	1.54E+01	6.95E-01	-9.77E-03	0.00E+00
5.08E+00	1.50E+01	7.10E-01	-1.95E-02	0.00E+00
5.10E+00	1.49E+01	6.03E-01	-1.71E-02	0.00E+00
5.12E+00	1.45E+01	7.72E-01	-2.44E-02	0.00E+00
5.14E+00	1.43E+01	4.05E-01	-2.32E-02	0.00E+00
5.16E+00	1.39E+01	7.26E-01	-3.17E-02	0.00E+00

5.18E+00	1.37E+01	5.73E-01	-1.46E-02	0.00E+00
5.20E+00	1.35E+01	5.88E-01	-1.22E-02	0.00E+00
5.22E+00	1.32E+01	6.49E-01	-3.17E-02	0.00E+00
5.24E+00	1.30E+01	7.87E-01	-2.32E-02	0.00E+00
5.26E+00	1.26E+01	6.65E-01	-7.32E-03	0.00E+00
5.28E+00	1.24E+01	6.03E-01	-8.54E-03	0.00E+00
5.30E+00	1.21E+01	5.12E-01	-2.44E-02	0.00E+00
5.32E+00	1.18E+01	8.02E-01	-9.77E-03	0.00E+00
5.34E+00	1.14E+01	6.65E-01	-1.46E-02	0.00E+00
5.36E+00	1.14E+01	5.12E-01	-2.08E-02	0.00E+00
5.38E+00	1.09E+01	7.26E-01	-1.95E-02	0.00E+00
5.40E+00	1.08E+01	3.59E-01	9.77E-03	0.00E+00
5.42E+00	1.03E+01	7.26E-01	-2.32E-02	0.00E+00
5.44E+00	1.05E+01	4.51E-01	-2.56E-02	0.00E+00
5.46E+00	9.83E+00	6.95E-01	-2.44E-02	0.00E+00
5.48E+00	9.64E+00	6.34E-01	-1.71E-02	0.00E+00
5.50E+00	9.47E+00	5.73E-01	-7.32E-03	0.00E+00
5.52E+00	9.12E+00	8.79E-01	-7.32E-03	0.00E+00
5.54E+00	8.81E+00	5.42E-01	-3.66E-03	0.00E+00
5.56E+00	8.61E+00	6.80E-01	-2.69E-02	0.00E+00
5.58E+00	8.41E+00	4.96E-01	-6.10E-03	0.00E+00
5.60E+00	8.51E+00	5.27E-01	-7.32E-03	0.00E+00
5.62E+00	8.46E+00	5.58E-01	-1.83E-02	0.00E+00
5.64E+00	8.53E+00	5.42E-01	-2.08E-02	0.00E+00
5.66E+00	8.51E+00	7.87E-01	-2.44E-02	0.00E+00
5.68E+00	8.43E+00	6.95E-01	-7.32E-03	0.00E+00
5.70E+00	8.70E+00	5.58E-01	-3.05E-02	0.00E+00
5.72E+00	9.19E+00	4.96E-01	-1.46E-02	0.00E+00
5.74E+00	8.96E+00	5.73E-01	-2.56E-02	0.00E+00
5.76E+00	9.03E+00	5.42E-01	-9.77E-03	0.00E+00
5.78E+00	9.69E+00	4.81E-01	-1.34E-02	0.00E+00
5.80E+00	9.73E+00	6.03E-01	-1.71E-02	0.00E+00
5.82E+00	9.99E+00	8.48E-01	-2.44E-03	0.00E+00
5.84E+00	1.02E+01	5.42E-01	-1.71E-02	0.00E+00
5.86E+00	1.07E+01	8.18E-01	-2.08E-02	0.00E+00
5.88E+00	1.12E+01	7.56E-01	-9.77E-03	0.00E+00
5.90E+00	1.13E+01	5.73E-01	-4.88E-03	0.00E+00
5.92E+00	1.17E+01	5.73E-01	-2.81E-02	0.00E+00
5.94E+00	1.21E+01	6.34E-01	-9.77E-03	0.00E+00
5.96E+00	1.20E+01	8.63E-01	-9.77E-03	0.00E+00
5.98E+00	1.21E+01	6.19E-01	-1.46E-02	0.00E+00
6.00E+00	1.22E+01	6.95E-01	-2.93E-02	0.00E+00
6.02E+00	1.26E+01	6.19E-01	-1.46E-02	0.00E+00
6.04E+00	1.26E+01	4.35E-01	-7.32E-03	0.00E+00
6.06E+00	1.25E+01	6.03E-01	-2.56E-02	0.00E+00
6.08E+00	1.21E+01	7.26E-01	-3.17E-02	0.00E+00
6.10E+00	1.23E+01	8.79E-01	-1.46E-02	0.00E+00

6.12E+00	1.24E+01	3.74E-01	-8.54E-03	0.00E+00
6.14E+00	1.21E+01	4.96E-01	-2.20E-02	0.00E+00
6.16E+00	1.21E+01	8.48E-01	-1.46E-02	0.00E+00
6.18E+00	1.19E+01	6.03E-01	-9.77E-03	0.00E+00
6.20E+00	1.20E+01	5.58E-01	-1.10E-02	0.00E+00
6.22E+00	1.20E+01	6.19E-01	-1.34E-02	0.00E+00
6.24E+00	1.19E+01	8.48E-01	-9.77E-03	0.00E+00
6.26E+00	1.18E+01	4.66E-01	-2.44E-02	0.00E+00
6.28E+00	1.18E+01	5.73E-01	-2.93E-02	0.00E+00
6.30E+00	1.18E+01	6.95E-01	-1.95E-02	0.00E+00
6.32E+00	1.16E+01	6.03E-01	-1.22E-03	0.00E+00
6.34E+00	1.19E+01	6.95E-01	-4.52E-02	0.00E+00
6.36E+00	1.21E+01	6.95E-01	-1.46E-02	0.00E+00
6.38E+00	1.20E+01	5.73E-01	-1.22E-02	0.00E+00
6.40E+00	1.20E+01	3.74E-01	-1.59E-02	0.00E+00
6.42E+00	1.20E+01	5.88E-01	-1.95E-02	0.00E+00
6.44E+00	1.21E+01	7.10E-01	-4.88E-03	0.00E+00
6.46E+00	1.20E+01	6.03E-01	-1.22E-02	0.00E+00
6.48E+00	1.20E+01	4.81E-01	-2.93E-02	0.00E+00
6.50E+00	1.20E+01	6.65E-01	-1.22E-02	0.00E+00
6.52E+00	1.20E+01	6.65E-01	-2.20E-02	0.00E+00
6.54E+00	1.19E+01	7.41E-01	-1.22E-02	0.00E+00
6.56E+00	1.20E+01	5.42E-01	-2.44E-02	0.00E+00
6.58E+00	1.20E+01	7.56E-01	-1.22E-02	0.00E+00
6.60E+00	1.19E+01	6.03E-01	-2.08E-02	0.00E+00
6.62E+00	1.20E+01	3.59E-01	-2.44E-02	0.00E+00
6.64E+00	1.21E+01	7.10E-01	-2.44E-02	0.00E+00
6.66E+00	1.19E+01	2.52E-01	-6.10E-03	0.00E+00
6.68E+00	1.20E+01	5.73E-01	-2.08E-02	0.00E+00
6.70E+00	1.20E+01	5.42E-01	-2.44E-02	0.00E+00
6.72E+00	1.19E+01	6.49E-01	2.44E-03	0.00E+00
6.74E+00	1.19E+01	5.12E-01	-1.46E-02	0.00E+00
6.76E+00	1.20E+01	5.73E-01	-9.77E-03	0.00E+00
6.78E+00	1.20E+01	8.79E-01	-2.44E-02	0.00E+00
6.80E+00	1.19E+01	4.81E-01	-1.22E-03	0.00E+00
6.82E+00	1.20E+01	5.42E-01	-2.20E-02	0.00E+00
6.84E+00	1.20E+01	7.56E-01	-1.46E-02	0.00E+00
6.86E+00	1.20E+01	9.25E-01	-1.59E-02	0.00E+00
6.88E+00	1.19E+01	4.20E-01	-2.69E-02	0.00E+00
6.90E+00	1.20E+01	5.58E-01	-2.44E-02	0.00E+00
6.92E+00	1.20E+01	6.95E-01	-2.32E-02	0.00E+00
6.94E+00	1.20E+01	6.34E-01	-6.10E-03	0.00E+00
6.96E+00	1.19E+01	5.12E-01	-1.22E-02	0.00E+00
6.98E+00	1.21E+01	5.73E-01	-2.44E-02	0.00E+00
7.00E+00	1.20E+01	5.73E-01	-1.22E-02	0.00E+00
7.02E+00	1.20E+01	6.03E-01	-1.95E-02	0.00E+00
7.04E+00	1.20E+01	6.19E-01	-2.32E-02	0.00E+00

7.06E+00	1.22E+01	7.87E-01	-1.71E-02	0.00E+00
7.08E+00	1.18E+01	5.12E-01	-6.10E-03	0.00E+00
7.10E+00	1.21E+01	5.12E-01	-2.56E-02	0.00E+00
7.12E+00	1.20E+01	7.72E-01	-9.77E-03	0.00E+00
7.14E+00	1.19E+01	6.34E-01	-1.71E-02	0.00E+00
7.16E+00	1.20E+01	7.41E-01	-4.88E-03	0.00E+00
7.18E+00	1.22E+01	7.56E-01	-1.95E-02	0.00E+00
7.20E+00	1.18E+01	7.87E-01	-1.10E-02	0.00E+00
7.22E+00	1.20E+01	6.03E-01	-7.32E-03	0.00E+00
7.24E+00	1.21E+01	6.49E-01	-2.56E-02	0.00E+00
7.26E+00	1.19E+01	6.65E-01	-1.71E-02	0.00E+00
7.28E+00	1.19E+01	4.20E-01	-2.20E-02	0.00E+00
7.30E+00	1.21E+01	7.87E-01	-2.56E-02	0.00E+00
7.32E+00	1.22E+01	6.03E-01	-1.95E-02	0.00E+00
7.34E+00	1.20E+01	5.42E-01	-9.77E-03	0.00E+00
7.36E+00	1.20E+01	6.65E-01	-2.69E-02	0.00E+00
7.38E+00	1.19E+01	5.58E-01	-1.71E-02	0.00E+00
7.40E+00	1.20E+01	4.51E-01	-8.54E-03	0.00E+00
7.42E+00	1.19E+01	5.42E-01	-1.95E-02	0.00E+00
7.44E+00	1.21E+01	7.41E-01	-1.83E-02	0.00E+00
7.46E+00	1.20E+01	6.34E-01	-2.69E-02	0.00E+00
7.48E+00	1.20E+01	5.12E-01	-7.32E-03	0.00E+00
7.50E+00	1.21E+01	5.42E-01	-4.88E-02	0.00E+00
7.52E+00	1.20E+01	7.26E-01	-2.81E-02	0.00E+00
7.54E+00	1.15E+01	6.95E-01	-1.71E-02	0.00E+00
7.56E+00	1.13E+01	6.49E-01	-1.46E-02	0.00E+00
7.58E+00	1.12E+01	6.34E-01	-1.34E-02	0.00E+00
7.60E+00	1.10E+01	7.26E-01	-1.46E-02	0.00E+00
7.62E+00	1.12E+01	6.34E-01	-1.95E-02	0.00E+00
7.64E+00	1.10E+01	8.48E-01	-2.69E-02	0.00E+00
7.66E+00	1.03E+01	6.65E-01	-1.59E-02	0.00E+00
7.68E+00	1.06E+01	6.65E-01	-2.81E-02	0.00E+00
7.70E+00	1.07E+01	6.95E-01	-4.52E-02	0.00E+00
7.72E+00	1.02E+01	6.80E-01	-2.20E-02	0.00E+00
7.74E+00	9.76E+00	5.42E-01	-1.95E-02	0.00E+00
7.76E+00	1.04E+01	8.02E-01	-2.44E-02	0.00E+00
7.78E+00	9.80E+00	5.58E-01	-2.08E-02	0.00E+00
7.80E+00	9.64E+00	7.26E-01	-4.88E-03	0.00E+00
7.82E+00	9.48E+00	4.51E-01	-1.71E-02	0.00E+00
7.84E+00	9.46E+00	6.95E-01	-2.56E-02	0.00E+00
7.86E+00	9.12E+00	7.41E-01	-7.32E-03	0.00E+00
7.88E+00	8.95E+00	5.42E-01	-2.44E-03	0.00E+00
7.90E+00	8.96E+00	5.73E-01	-2.69E-02	0.00E+00
7.92E+00	8.97E+00	6.65E-01	-2.93E-02	0.00E+00
7.94E+00	8.69E+00	6.95E-01	-1.59E-02	0.00E+00
7.96E+00	8.59E+00	7.10E-01	-1.95E-02	0.00E+00
7.98E+00	8.68E+00	5.58E-01	-2.81E-02	0.00E+00

8.00E+00	8.62E+00	1.00E+00	-1.71E-02	0.00E+00
8.02E+00	8.78E+00	5.88E-01	-1.46E-02	0.00E+00
8.04E+00	8.63E+00	5.12E-01	-2.20E-02	0.00E+00
8.06E+00	8.99E+00	5.12E-01	-2.93E-02	0.00E+00
8.08E+00	9.06E+00	7.87E-01	-1.46E-02	0.00E+00
8.10E+00	9.11E+00	5.58E-01	-1.34E-02	0.00E+00
8.12E+00	9.60E+00	2.67E-01	-1.95E-02	0.00E+00
8.14E+00	9.39E+00	7.26E-01	-1.95E-02	0.00E+00
8.16E+00	9.61E+00	6.65E-01	-1.22E-02	0.00E+00
8.18E+00	9.97E+00	6.03E-01	-1.71E-02	0.00E+00
8.20E+00	1.02E+01	4.66E-01	-1.34E-02	0.00E+00
8.22E+00	1.04E+01	8.79E-01	8.54E-03	0.00E+00
8.24E+00	1.11E+01	6.95E-01	-1.46E-02	0.00E+00
8.26E+00	1.10E+01	6.34E-01	-1.46E-02	0.00E+00
8.28E+00	1.18E+01	6.34E-01	-3.91E-02	0.00E+00
8.30E+00	1.20E+01	6.03E-01	-4.88E-03	0.00E+00
8.32E+00	1.19E+01	6.34E-01	-3.66E-02	0.00E+00
8.34E+00	1.21E+01	6.34E-01	-3.54E-02	0.00E+00
8.36E+00	1.22E+01	6.95E-01	-1.95E-02	0.00E+00
8.38E+00	1.24E+01	4.20E-01	-1.46E-02	0.00E+00
8.40E+00	1.26E+01	6.19E-01	-3.17E-02	0.00E+00
8.42E+00	1.26E+01	6.95E-01	-1.34E-02	0.00E+00
8.44E+00	1.23E+01	6.65E-01	-1.46E-02	0.00E+00
8.46E+00	1.23E+01	6.34E-01	-2.44E-02	0.00E+00
8.48E+00	1.22E+01	6.03E-01	-1.95E-02	0.00E+00
8.50E+00	1.24E+01	8.48E-01	-9.77E-03	0.00E+00
8.52E+00	1.19E+01	4.81E-01	-3.66E-02	0.00E+00
8.54E+00	1.21E+01	1.00E+00	-2.44E-02	0.00E+00
8.56E+00	1.20E+01	7.26E-01	-2.32E-02	0.00E+00
8.58E+00	1.20E+01	7.26E-01	-1.95E-02	0.00E+00
8.60E+00	1.20E+01	5.42E-01	-2.93E-02	0.00E+00
8.62E+00	1.20E+01	6.95E-01	-1.22E-02	0.00E+00
8.64E+00	1.20E+01	6.03E-01	1.46E-02	0.00E+00
8.66E+00	1.20E+01	4.20E-01	-1.95E-02	0.00E+00
8.68E+00	1.21E+01	6.65E-01	-2.20E-02	0.00E+00
8.70E+00	1.19E+01	4.96E-01	-9.77E-03	0.00E+00
8.72E+00	1.18E+01	6.95E-01	-1.34E-02	0.00E+00
8.74E+00	1.20E+01	6.03E-01	-1.95E-02	0.00E+00
8.76E+00	1.20E+01	7.87E-01	-1.59E-02	0.00E+00
8.78E+00	1.20E+01	5.73E-01	-1.34E-02	0.00E+00
8.80E+00	1.19E+01	6.03E-01	-6.10E-03	0.00E+00
8.82E+00	1.21E+01	5.42E-01	-2.69E-02	0.00E+00
8.84E+00	1.18E+01	7.87E-01	-1.10E-02	0.00E+00
8.86E+00	1.19E+01	5.12E-01	-3.66E-03	0.00E+00
8.88E+00	1.20E+01	6.34E-01	-1.59E-02	0.00E+00
8.90E+00	1.20E+01	5.42E-01	-2.93E-02	0.00E+00
8.92E+00	1.21E+01	8.63E-01	0.00E+00	0.00E+00

8.94E+00	1.21E+01	2.98E-01	-1.34E-02	0.00E+00
8.96E+00	1.20E+01	5.42E-01	-1.95E-02	0.00E+00
8.98E+00	1.20E+01	6.03E-01	-3.42E-02	0.00E+00
9.00E+00	1.20E+01	7.26E-01	-3.66E-03	0.00E+00
9.02E+00	1.19E+01	5.42E-01	7.32E-03	0.00E+00
9.04E+00	1.20E+01	4.81E-01	-4.39E-02	0.00E+00
9.06E+00	1.21E+01	6.34E-01	-2.20E-02	0.00E+00
9.08E+00	1.20E+01	7.72E-01	-8.54E-03	0.00E+00
9.10E+00	1.19E+01	5.12E-01	-1.46E-02	0.00E+00
9.12E+00	1.20E+01	5.42E-01	-2.20E-02	0.00E+00
9.14E+00	1.20E+01	6.80E-01	-3.78E-02	0.00E+00
9.16E+00	1.19E+01	6.34E-01	1.22E-02	0.00E+00
9.18E+00	1.20E+01	5.12E-01	-2.20E-02	0.00E+00
9.20E+00	1.20E+01	4.51E-01	-1.95E-02	0.00E+00
9.22E+00	1.20E+01	6.95E-01	-7.32E-03	0.00E+00
9.24E+00	1.19E+01	5.42E-01	-1.95E-02	0.00E+00
9.26E+00	1.22E+01	6.65E-01	-3.91E-02	0.00E+00
9.28E+00	1.20E+01	5.73E-01	-1.46E-02	0.00E+00
9.30E+00	1.19E+01	6.34E-01	-9.77E-03	0.00E+00
9.32E+00	1.20E+01	5.12E-01	-2.69E-02	0.00E+00
9.34E+00	1.20E+01	6.49E-01	-8.54E-03	0.00E+00
9.36E+00	1.20E+01	8.79E-01	-1.83E-02	0.00E+00
9.38E+00	1.18E+01	5.12E-01	-9.77E-03	0.00E+00
9.40E+00	1.21E+01	6.80E-01	-2.32E-02	0.00E+00
9.42E+00	1.20E+01	6.65E-01	-7.32E-03	0.00E+00
9.44E+00	1.20E+01	5.12E-01	-1.46E-02	0.00E+00
9.46E+00	1.19E+01	5.73E-01	-3.66E-03	0.00E+00
9.48E+00	1.21E+01	5.42E-01	-3.54E-02	0.00E+00
9.50E+00	1.20E+01	6.95E-01	-1.34E-02	0.00E+00
9.52E+00	1.20E+01	5.73E-01	-9.77E-03	0.00E+00
9.54E+00	1.20E+01	5.12E-01	-1.59E-02	0.00E+00
9.56E+00	1.20E+01	9.86E-01	-1.46E-02	0.00E+00
9.58E+00	1.20E+01	6.34E-01	-1.22E-02	0.00E+00
9.60E+00	1.19E+01	8.48E-01	-2.20E-02	0.00E+00
9.62E+00	1.21E+01	7.56E-01	-3.54E-02	0.00E+00
9.64E+00	1.20E+01	8.18E-01	-4.88E-03	0.00E+00
9.66E+00	1.20E+01	6.49E-01	-1.71E-02	0.00E+00
9.68E+00	1.20E+01	4.20E-01	-2.69E-02	0.00E+00
9.70E+00	1.21E+01	6.95E-01	-1.22E-02	0.00E+00
9.72E+00	1.19E+01	7.87E-01	-2.08E-02	0.00E+00
9.74E+00	1.19E+01	5.73E-01	-1.83E-02	0.00E+00
9.76E+00	1.21E+01	6.49E-01	-2.20E-02	0.00E+00
9.78E+00	1.19E+01	6.95E-01	-1.10E-02	0.00E+00
9.80E+00	1.20E+01	2.06E-01	-2.20E-02	0.00E+00
9.82E+00	1.21E+01	6.49E-01	-9.77E-03	0.00E+00
9.84E+00	1.20E+01	8.48E-01	-1.71E-02	0.00E+00
9.86E+00	1.18E+01	5.88E-01	-1.71E-02	0.00E+00

9.88E+00	1.20E+01	5.73E-01	-1.95E-02	0.00E+00
9.90E+00	1.20E+01	6.49E-01	2.44E-03	0.00E+00
9.92E+00	1.19E+01	9.40E-01	-9.77E-03	0.00E+00
9.94E+00	1.15E+01	6.03E-01	-5.37E-02	0.00E+00
9.96E+00	1.14E+01	3.89E-01	-6.10E-03	0.00E+00
9.98E+00	1.10E+01	6.34E-01	-1.22E-02	0.00E+00
1.00E+01	1.09E+01	6.03E-01	-1.34E-02	0.00E+00
1.00E+01	1.14E+01	6.03E-01	-3.42E-02	0.00E+00
1.00E+01	1.09E+01	4.51E-01	-1.95E-02	0.00E+00
1.01E+01	1.03E+01	5.42E-01	9.77E-03	0.00E+00
1.01E+01	1.06E+01	6.19E-01	-2.69E-02	0.00E+00
1.01E+01	1.06E+01	8.48E-01	-1.71E-02	0.00E+00
1.01E+01	9.95E+00	4.20E-01	-1.22E-02	0.00E+00
1.01E+01	9.73E+00	6.03E-01	-1.22E-02	0.00E+00
1.02E+01	1.01E+01	7.26E-01	-2.32E-02	0.00E+00
1.02E+01	9.66E+00	5.73E-01	-2.44E-02	0.00E+00
1.02E+01	9.33E+00	4.81E-01	-1.46E-02	0.00E+00
1.02E+01	9.51E+00	7.56E-01	-1.95E-02	0.00E+00
1.02E+01	9.46E+00	5.12E-01	-7.32E-03	0.00E+00
1.03E+01	8.93E+00	5.42E-01	-4.15E-02	0.00E+00
1.03E+01	8.69E+00	6.95E-01	-2.69E-02	0.00E+00
1.03E+01	8.93E+00	7.10E-01	-2.93E-02	0.00E+00
1.03E+01	9.01E+00	5.88E-01	-1.71E-02	0.00E+00
1.03E+01	8.62E+00	7.87E-01	-2.32E-02	0.00E+00
1.04E+01	8.48E+00	5.58E-01	-1.22E-02	0.00E+00
1.04E+01	8.39E+00	5.73E-01	-2.44E-03	0.00E+00
1.04E+01	8.52E+00	5.58E-01	-2.32E-02	0.00E+00
1.04E+01	8.58E+00	7.87E-01	-3.54E-02	0.00E+00
1.04E+01	8.53E+00	6.34E-01	-4.88E-03	0.00E+00
1.05E+01	8.50E+00	6.03E-01	-2.69E-02	0.00E+00
1.05E+01	8.58E+00	4.96E-01	-1.95E-02	0.00E+00
1.05E+01	8.44E+00	6.49E-01	-1.22E-02	0.00E+00
1.05E+01	8.64E+00	5.42E-01	-7.32E-03	0.00E+00
1.05E+01	9.00E+00	6.03E-01	-2.20E-02	0.00E+00
1.06E+01	8.69E+00	7.87E-01	-1.22E-02	0.00E+00
1.06E+01	8.75E+00	4.96E-01	-1.22E-02	0.00E+00
1.06E+01	9.19E+00	7.56E-01	-1.71E-02	0.00E+00
1.06E+01	9.26E+00	7.41E-01	-1.95E-02	0.00E+00
1.06E+01	9.27E+00	6.95E-01	-7.32E-03	0.00E+00
1.07E+01	9.64E+00	6.19E-01	-2.20E-02	0.00E+00
1.07E+01	9.99E+00	6.03E-01	-1.46E-02	0.00E+00
1.07E+01	9.77E+00	6.65E-01	-1.46E-02	0.00E+00
1.07E+01	9.88E+00	8.33E-01	-7.32E-03	0.00E+00
1.07E+01	1.07E+01	4.81E-01	-2.20E-02	0.00E+00
1.08E+01	1.03E+01	5.73E-01	-2.44E-02	0.00E+00
1.08E+01	1.08E+01	7.72E-01	-1.95E-02	0.00E+00
1.08E+01	1.14E+01	6.65E-01	-1.71E-02	0.00E+00

1.08E+01	1.09E+01	6.34E-01	-3.78E-02	0.00E+00
1.08E+01	1.11E+01	2.98E-01	-1.95E-02	0.00E+00
1.09E+01	1.14E+01	8.33E-01	-1.71E-02	0.00E+00
1.09E+01	1.17E+01	5.73E-01	-1.71E-02	0.00E+00
1.09E+01	1.20E+01	5.73E-01	-2.69E-02	0.00E+00
1.09E+01	1.19E+01	6.65E-01	-1.46E-02	0.00E+00
1.09E+01	1.20E+01	3.59E-01	7.32E-03	0.00E+00
1.10E+01	1.21E+01	8.79E-01	-2.93E-02	0.00E+00
1.10E+01	1.19E+01	8.48E-01	-1.22E-02	0.00E+00
1.10E+01	1.21E+01	5.42E-01	-1.95E-02	0.00E+00
1.10E+01	1.21E+01	4.66E-01	-2.20E-02	0.00E+00
1.10E+01	1.23E+01	7.56E-01	-2.69E-02	0.00E+00
1.11E+01	1.24E+01	5.58E-01	-2.44E-02	0.00E+00
1.11E+01	1.25E+01	8.48E-01	-2.20E-02	0.00E+00
1.11E+01	1.25E+01	7.56E-01	-2.44E-02	0.00E+00
1.11E+01	1.27E+01	7.56E-01	-2.44E-03	0.00E+00
1.11E+01	1.29E+01	4.05E-01	-1.22E-02	0.00E+00
1.12E+01	1.31E+01	6.34E-01	-2.20E-02	0.00E+00
1.12E+01	1.32E+01	7.56E-01	-2.44E-03	0.00E+00
1.12E+01	1.32E+01	8.79E-01	-7.32E-03	0.00E+00
1.12E+01	1.33E+01	5.88E-01	-2.69E-02	0.00E+00
1.12E+01	1.38E+01	5.58E-01	-2.44E-02	0.00E+00
1.13E+01	1.38E+01	7.26E-01	-1.22E-02	0.00E+00
1.13E+01	1.40E+01	5.12E-01	-1.71E-02	0.00E+00
1.13E+01	1.44E+01	3.44E-01	-9.77E-03	0.00E+00
1.13E+01	1.44E+01	8.63E-01	-2.81E-02	0.00E+00
1.13E+01	1.45E+01	5.12E-01	-4.88E-03	0.00E+00
1.14E+01	1.49E+01	5.42E-01	-1.95E-02	0.00E+00
1.14E+01	1.50E+01	5.12E-01	-1.95E-02	0.00E+00
1.14E+01	1.49E+01	5.88E-01	-1.22E-02	0.00E+00
1.14E+01	1.49E+01	4.51E-01	-2.08E-02	0.00E+00
1.14E+01	1.52E+01	5.12E-01	-2.20E-02	0.00E+00
1.15E+01	1.55E+01	6.95E-01	-1.95E-02	0.00E+00
1.15E+01	1.57E+01	7.56E-01	-1.71E-02	0.00E+00
1.15E+01	1.55E+01	9.40E-01	-8.54E-03	0.00E+00
1.15E+01	1.58E+01	4.96E-01	-2.56E-02	0.00E+00
1.15E+01	1.61E+01	7.56E-01	-2.44E-02	0.00E+00
1.16E+01	1.59E+01	6.34E-01	-1.83E-02	0.00E+00
1.16E+01	1.61E+01	5.73E-01	-1.10E-02	0.00E+00
1.16E+01	1.64E+01	4.81E-01	-1.95E-02	0.00E+00
1.16E+01	1.67E+01	6.65E-01	-1.95E-02	0.00E+00
1.16E+01	1.67E+01	5.42E-01	1.22E-02	0.00E+00
1.17E+01	1.69E+01	5.42E-01	-4.88E-03	0.00E+00
1.17E+01	1.73E+01	4.96E-01	-3.17E-02	0.00E+00
1.17E+01	1.74E+01	6.65E-01	-2.69E-02	0.00E+00
1.17E+01	1.76E+01	4.20E-01	-1.22E-02	0.00E+00
1.17E+01	1.78E+01	7.10E-01	-1.10E-02	0.00E+00

1.18E+01	1.78E+01	6.03E-01	-2.20E-02	0.00E+00
1.18E+01	1.83E+01	5.12E-01	-1.46E-02	0.00E+00
1.18E+01	1.84E+01	7.26E-01	-7.32E-03	0.00E+00
1.18E+01	1.83E+01	6.49E-01	-9.77E-03	0.00E+00
1.18E+01	1.87E+01	6.19E-01	-3.54E-02	0.00E+00
1.19E+01	1.91E+01	6.19E-01	6.10E-03	0.00E+00
1.19E+01	1.90E+01	4.81E-01	-1.71E-02	0.00E+00
1.19E+01	1.89E+01	6.95E-01	-1.71E-02	0.00E+00
1.19E+01	1.96E+01	7.72E-01	-7.32E-03	0.00E+00
1.19E+01	1.95E+01	3.44E-01	-4.88E-03	0.00E+00
1.20E+01	1.95E+01	6.65E-01	-7.32E-03	0.00E+00
1.20E+01	2.00E+01	3.74E-01	-2.08E-02	0.00E+00
1.20E+01	2.04E+01	8.33E-01	-1.95E-02	0.00E+00
1.20E+01	2.01E+01	6.19E-01	-1.71E-02	0.00E+00
1.20E+01	2.07E+01	6.34E-01	-1.46E-02	0.00E+00
1.21E+01	2.07E+01	4.81E-01	-7.32E-03	0.00E+00
1.21E+01	2.11E+01	5.42E-01	-3.54E-02	0.00E+00
1.21E+01	2.13E+01	5.88E-01	-1.46E-02	0.00E+00
1.21E+01	2.13E+01	3.13E-01	-1.46E-02	0.00E+00
1.21E+01	2.19E+01	6.95E-01	-4.52E-02	0.00E+00
1.22E+01	2.19E+01	5.73E-01	-4.88E-03	0.00E+00
1.22E+01	2.21E+01	5.58E-01	-2.44E-02	0.00E+00
1.22E+01	2.25E+01	6.34E-01	-1.95E-02	0.00E+00
1.22E+01	2.26E+01	7.26E-01	-1.22E-02	0.00E+00
1.22E+01	2.27E+01	6.34E-01	-7.32E-03	0.00E+00
1.23E+01	2.31E+01	4.51E-01	-1.83E-02	0.00E+00
1.23E+01	2.30E+01	5.42E-01	-7.32E-03	0.00E+00
1.23E+01	2.33E+01	6.65E-01	2.44E-02	0.00E+00
1.23E+01	2.36E+01	4.20E-01	-1.71E-02	0.00E+00
1.23E+01	2.37E+01	6.65E-01	-2.08E-02	0.00E+00
1.24E+01	2.41E+01	6.65E-01	2.44E-03	0.00E+00
1.24E+01	2.42E+01	3.13E-01	-1.46E-02	0.00E+00
1.24E+01	2.43E+01	5.12E-01	-1.71E-02	0.00E+00
1.24E+01	2.49E+01	7.56E-01	-2.44E-02	0.00E+00
1.24E+01	2.46E+01	7.10E-01	-7.32E-03	0.00E+00
1.25E+01	2.47E+01	6.03E-01	-4.88E-03	0.00E+00
1.25E+01	2.54E+01	6.95E-01	-2.69E-02	0.00E+00
1.25E+01	2.53E+01	8.18E-01	-1.71E-02	0.00E+00
1.25E+01	2.56E+01	7.87E-01	2.44E-03	0.00E+00
1.25E+01	2.59E+01	7.10E-01	-1.95E-02	0.00E+00
1.26E+01	2.61E+01	4.51E-01	-2.20E-02	0.00E+00
1.26E+01	2.65E+01	7.56E-01	-2.44E-02	0.00E+00
1.26E+01	2.65E+01	5.27E-01	-1.22E-02	0.00E+00
1.26E+01	2.71E+01	5.73E-01	-1.95E-02	0.00E+00
1.26E+01	2.72E+01	5.12E-01	-2.44E-03	0.00E+00
1.27E+01	2.74E+01	7.26E-01	-1.46E-02	0.00E+00
1.27E+01	2.77E+01	5.88E-01	-1.71E-02	0.00E+00

1.27E+01	2.78E+01	6.95E-01	-1.95E-02	0.00E+00
1.27E+01	2.82E+01	7.10E-01	-7.32E-03	0.00E+00
1.27E+01	2.83E+01	6.34E-01	-7.32E-03	0.00E+00
1.28E+01	2.86E+01	3.28E-01	-2.44E-03	0.00E+00
1.28E+01	2.89E+01	7.87E-01	-1.71E-02	0.00E+00
1.28E+01	2.88E+01	3.89E-01	-9.77E-03	0.00E+00
1.28E+01	2.94E+01	6.65E-01	-1.71E-02	0.00E+00
1.28E+01	2.95E+01	5.73E-01	-2.69E-02	0.00E+00
1.29E+01	2.94E+01	7.56E-01	-1.46E-02	0.00E+00
1.29E+01	3.00E+01	2.37E-01	7.32E-03	0.00E+00
1.29E+01	3.00E+01	5.73E-01	-1.10E-02	0.00E+00
1.29E+01	3.04E+01	5.42E-01	-2.32E-02	0.00E+00
1.29E+01	3.06E+01	6.65E-01	-2.44E-03	0.00E+00
1.30E+01	3.06E+01	6.34E-01	-1.71E-02	0.00E+00
1.30E+01	3.11E+01	5.73E-01	-1.83E-02	0.00E+00
1.30E+01	3.12E+01	6.95E-01	-9.77E-03	0.00E+00
1.30E+01	3.12E+01	5.73E-01	-1.22E-02	0.00E+00
1.30E+01	3.17E+01	6.80E-01	-2.20E-02	0.00E+00
1.31E+01	3.16E+01	6.95E-01	-8.54E-03	0.00E+00
1.31E+01	3.20E+01	4.81E-01	-9.77E-03	0.00E+00
1.31E+01	3.22E+01	6.03E-01	-3.05E-02	0.00E+00
1.31E+01	3.24E+01	8.18E-01	-1.22E-02	0.00E+00
1.31E+01	3.28E+01	6.80E-01	-2.44E-02	0.00E+00
1.32E+01	3.29E+01	6.34E-01	-1.46E-02	0.00E+00
1.32E+01	3.33E+01	6.34E-01	-9.77E-03	0.00E+00
1.32E+01	3.34E+01	9.25E-01	-1.83E-02	0.00E+00
1.32E+01	3.35E+01	6.03E-01	-4.88E-03	0.00E+00
1.32E+01	3.40E+01	5.73E-01	-1.59E-02	0.00E+00
1.33E+01	3.41E+01	7.26E-01	-3.42E-02	0.00E+00
1.33E+01	3.44E+01	8.79E-01	-9.77E-03	0.00E+00
1.33E+01	3.46E+01	6.03E-01	7.32E-03	0.00E+00
1.33E+01	3.46E+01	7.41E-01	-2.81E-02	0.00E+00
1.33E+01	3.53E+01	7.87E-01	-2.08E-02	0.00E+00
1.34E+01	3.53E+01	6.34E-01	-1.71E-02	0.00E+00
1.34E+01	3.53E+01	5.42E-01	-3.17E-02	0.00E+00
1.34E+01	3.59E+01	4.51E-01	-3.17E-02	0.00E+00
1.34E+01	3.59E+01	7.87E-01	-1.10E-02	0.00E+00
1.34E+01	3.61E+01	7.10E-01	-1.71E-02	0.00E+00
1.35E+01	3.64E+01	5.73E-01	-7.32E-03	0.00E+00
1.35E+01	3.65E+01	7.72E-01	-2.93E-02	0.00E+00
1.35E+01	3.71E+01	6.19E-01	-1.22E-03	0.00E+00
1.35E+01	3.69E+01	6.65E-01	-2.44E-02	0.00E+00
1.35E+01	3.73E+01	4.81E-01	-4.52E-02	0.00E+00
1.36E+01	3.77E+01	7.26E-01	-2.20E-02	0.00E+00
1.36E+01	3.75E+01	6.95E-01	-1.83E-02	0.00E+00
1.36E+01	3.81E+01	5.12E-01	-1.22E-02	0.00E+00
1.36E+01	3.83E+01	5.73E-01	-1.95E-02	0.00E+00

1.36E+01	3.85E+01	7.56E-01	-9.77E-03	0.00E+00
1.37E+01	3.86E+01	6.34E-01	-9.77E-03	0.00E+00
1.37E+01	3.86E+01	6.65E-01	-2.20E-02	0.00E+00
1.37E+01	3.90E+01	9.40E-01	-5.13E-02	0.00E+00
1.37E+01	3.94E+01	4.20E-01	-1.95E-02	0.00E+00
1.37E+01	3.92E+01	4.96E-01	-8.54E-03	0.00E+00
1.38E+01	3.96E+01	5.73E-01	-1.34E-02	0.00E+00
1.38E+01	3.99E+01	5.73E-01	-2.20E-02	0.00E+00
1.38E+01	3.98E+01	6.03E-01	-1.83E-02	0.00E+00
1.38E+01	4.04E+01	3.44E-01	-2.93E-02	0.00E+00
1.38E+01	4.05E+01	6.03E-01	-2.69E-02	0.00E+00
1.39E+01	4.08E+01	6.03E-01	-1.71E-02	0.00E+00
1.39E+01	4.10E+01	5.73E-01	-1.95E-02	0.00E+00
1.39E+01	4.11E+01	4.05E-01	-2.81E-02	0.00E+00
1.39E+01	4.13E+01	6.65E-01	-3.66E-02	0.00E+00
1.39E+01	4.16E+01	7.56E-01	-1.46E-02	0.00E+00
1.40E+01	4.15E+01	4.51E-01	-1.46E-02	0.00E+00
1.40E+01	4.20E+01	6.19E-01	-2.44E-02	0.00E+00
1.40E+01	4.22E+01	5.73E-01	-3.42E-02	0.00E+00
1.40E+01	4.22E+01	7.87E-01	-7.32E-03	0.00E+00
1.40E+01	4.26E+01	4.20E-01	-2.44E-03	0.00E+00
1.41E+01	4.28E+01	6.95E-01	-2.56E-02	0.00E+00
1.41E+01	4.28E+01	6.03E-01	-2.20E-02	0.00E+00
1.41E+01	4.31E+01	5.73E-01	-1.22E-02	0.00E+00
1.41E+01	4.33E+01	7.26E-01	-2.20E-02	0.00E+00
1.41E+01	4.34E+01	6.65E-01	-1.71E-02	0.00E+00
1.42E+01	4.39E+01	6.03E-01	-2.69E-02	0.00E+00
1.42E+01	4.39E+01	7.87E-01	-4.88E-03	0.00E+00
1.42E+01	4.38E+01	9.07E+00	-8.54E-03	0.00E+00
1.42E+01	4.43E+01	1.42E+01	-2.20E-02	0.00E+00
1.42E+01	4.45E+01	1.75E+01	-2.44E-03	0.00E+00
1.43E+01	4.45E+01	1.57E+01	-4.88E-03	0.00E+00
1.43E+01	4.44E+01	9.59E+00	-2.08E-02	0.00E+00
1.43E+01	4.45E+01	2.93E+00	-1.71E-02	0.00E+00
1.43E+01	4.45E+01	2.93E+00	-2.93E-02	0.00E+00
1.43E+01	4.45E+01	6.78E+00	-7.32E-03	0.00E+00
1.44E+01	4.45E+01	9.78E+00	-3.54E-02	0.00E+00
1.44E+01	4.46E+01	1.55E+01	-1.46E-02	0.00E+00
1.44E+01	4.44E+01	1.51E+01	-1.71E-02	0.00E+00
1.44E+01	4.44E+01	1.16E+01	-1.22E-02	0.00E+00
1.44E+01	4.46E+01	1.04E+01	-2.93E-02	0.00E+00
1.45E+01	4.45E+01	1.01E+01	-1.22E-02	0.00E+00
1.45E+01	4.45E+01	1.06E+01	-2.44E-03	0.00E+00
1.45E+01	4.44E+01	1.51E+01	-1.34E-02	0.00E+00
1.45E+01	4.47E+01	1.71E+01	-2.44E-02	0.00E+00
1.45E+01	4.49E+01	1.98E+01	-1.22E-02	0.00E+00
1.46E+01	4.51E+01	2.08E+01	-2.44E-03	0.00E+00

1.46E+01	4.50E+01	2.17E+01	-2.20E-02	0.00E+00
1.46E+01	4.51E+01	2.32E+01	-1.59E-02	0.00E+00
1.46E+01	4.51E+01	2.54E+01	-1.71E-02	0.00E+00
1.46E+01	4.54E+01	2.74E+01	-1.71E-02	0.00E+00
1.47E+01	4.56E+01	2.97E+01	-1.95E-02	0.00E+00
1.47E+01	4.59E+01	3.05E+01	-1.46E-02	0.00E+00
1.47E+01	4.57E+01	3.18E+01	-1.71E-02	0.00E+00
1.47E+01	4.56E+01	3.25E+01	-2.69E-02	0.00E+00
1.47E+01	4.56E+01	3.33E+01	-2.44E-02	0.00E+00
1.48E+01	4.57E+01	3.37E+01	-1.46E-02	0.00E+00
1.48E+01	4.57E+01	3.26E+01	-4.88E-03	0.00E+00
1.48E+01	4.57E+01	3.06E+01	-6.10E-03	0.00E+00
1.48E+01	4.56E+01	2.88E+01	-3.17E-02	0.00E+00
1.48E+01	4.57E+01	2.69E+01	-2.69E-02	0.00E+00
1.49E+01	4.57E+01	2.47E+01	-1.59E-02	0.00E+00
1.49E+01	4.56E+01	2.16E+01	-1.71E-02	0.00E+00
1.49E+01	4.55E+01	1.97E+01	-2.69E-02	0.00E+00
1.49E+01	4.54E+01	1.68E+01	-2.69E-02	0.00E+00
1.49E+01	4.51E+01	1.54E+01	-4.88E-03	0.00E+00
1.50E+01	4.50E+01	1.40E+01	-1.22E-02	0.00E+00
1.50E+01	4.50E+01	1.21E+01	-3.17E-02	0.00E+00
1.50E+01	4.51E+01	1.08E+01	-7.32E-03	0.00E+00
1.50E+01	4.51E+01	9.38E+00	-3.66E-03	0.00E+00
1.50E+01	4.51E+01	8.49E+00	-1.83E-02	0.00E+00
1.51E+01	4.49E+01	8.81E+00	-3.05E-02	0.00E+00
1.51E+01	4.47E+01	9.69E+00	-9.77E-03	0.00E+00
1.51E+01	4.46E+01	1.02E+01	-1.71E-02	0.00E+00
1.51E+01	4.46E+01	9.65E+00	-1.22E-02	0.00E+00
1.51E+01	4.47E+01	8.63E+00	-2.20E-02	0.00E+00
1.52E+01	4.46E+01	7.64E+00	-9.77E-03	0.00E+00
1.52E+01	4.45E+01	7.10E+00	-2.69E-02	0.00E+00
1.52E+01	4.46E+01	7.12E+00	-2.20E-02	0.00E+00
1.52E+01	4.45E+01	7.27E+00	-2.20E-02	0.00E+00
1.52E+01	4.45E+01	7.27E+00	-9.77E-03	0.00E+00
1.53E+01	4.45E+01	6.87E+00	-2.81E-02	0.00E+00
1.53E+01	4.45E+01	5.74E+00	-2.44E-02	0.00E+00
1.53E+01	4.46E+01	4.72E+00	-1.46E-02	0.00E+00
1.53E+01	4.44E+01	3.45E+00	-9.77E-03	0.00E+00
1.53E+01	4.46E+01	1.63E+00	-8.54E-03	0.00E+00
1.54E+01	4.45E+01	1.03E+00	-2.44E-02	0.00E+00
1.54E+01	4.45E+01	8.18E-01	-1.71E-02	0.00E+00
1.54E+01	4.45E+01	6.65E-01	-1.22E-02	0.00E+00
1.54E+01	4.45E+01	6.80E-01	6.10E-03	0.00E+00
1.54E+01	4.39E+01	6.95E-01	-2.81E-02	0.00E+00
1.55E+01	4.41E+01	6.65E-01	-2.69E-02	0.00E+00
1.55E+01	4.40E+01	9.09E-01	-7.32E-03	0.00E+00
1.55E+01	4.39E+01	5.12E-01	-9.77E-03	0.00E+00

1.55E+01	4.37E+01	5.73E-01	-1.95E-02	0.00E+00
1.55E+01	4.33E+01	6.34E-01	-3.05E-02	0.00E+00
1.56E+01	4.34E+01	4.96E-01	0.00E+00	0.00E+00
1.56E+01	4.31E+01	6.95E-01	-1.46E-02	0.00E+00
1.56E+01	4.30E+01	6.34E-01	-1.71E-02	0.00E+00
1.56E+01	4.28E+01	5.12E-01	-3.05E-02	0.00E+00
1.56E+01	4.28E+01	5.73E-01	-4.88E-03	0.00E+00
1.57E+01	4.28E+01	6.03E-01	-2.20E-02	0.00E+00
1.57E+01	4.22E+01	4.81E-01	-1.95E-02	0.00E+00
1.57E+01	4.22E+01	6.65E-01	-2.69E-02	0.00E+00
1.57E+01	4.21E+01	5.27E-01	-4.88E-03	0.00E+00
1.57E+01	4.19E+01	6.34E-01	-3.42E-02	0.00E+00
1.58E+01	4.17E+01	4.35E-01	-1.71E-02	0.00E+00
1.58E+01	4.18E+01	7.41E-01	6.10E-03	0.00E+00
1.58E+01	4.15E+01	6.34E-01	-1.46E-02	0.00E+00
1.58E+01	4.13E+01	5.88E-01	-3.30E-02	0.00E+00
1.58E+01	4.11E+01	6.65E-01	-1.71E-02	0.00E+00
1.59E+01	4.10E+01	7.26E-01	-1.10E-02	0.00E+00
1.59E+01	4.07E+01	4.81E-01	-2.32E-02	0.00E+00
1.59E+01	4.06E+01	6.65E-01	-3.42E-02	0.00E+00
1.59E+01	4.05E+01	7.56E-01	-1.59E-02	0.00E+00
1.59E+01	3.99E+01	6.34E-01	1.22E-03	0.00E+00
1.60E+01	3.99E+01	3.89E-01	-2.93E-02	0.00E+00
1.60E+01	3.99E+01	7.26E-01	-9.77E-03	0.00E+00
1.60E+01	3.96E+01	4.81E-01	-1.83E-02	0.00E+00
1.60E+01	3.93E+01	5.73E-01	-2.44E-02	0.00E+00
1.60E+01	3.93E+01	8.48E-01	-2.93E-02	0.00E+00
1.61E+01	3.92E+01	6.03E-01	-2.20E-02	0.00E+00
1.61E+01	3.87E+01	6.65E-01	-1.22E-02	0.00E+00
1.61E+01	3.87E+01	5.88E-01	-8.54E-03	0.00E+00
1.61E+01	3.86E+01	4.51E-01	-2.69E-02	0.00E+00
1.61E+01	3.82E+01	6.49E-01	0.00E+00	0.00E+00
1.62E+01	3.81E+01	5.42E-01	-1.10E-02	0.00E+00
1.62E+01	3.80E+01	5.42E-01	-1.83E-02	0.00E+00
1.62E+01	3.76E+01	6.95E-01	-1.83E-02	0.00E+00
1.62E+01	3.75E+01	6.49E-01	-2.44E-03	0.00E+00
1.62E+01	3.73E+01	4.51E-01	-1.95E-02	0.00E+00
1.63E+01	3.70E+01	5.42E-01	-3.91E-02	0.00E+00
1.63E+01	3.70E+01	8.18E-01	-8.54E-03	0.00E+00
1.63E+01	3.68E+01	6.34E-01	-1.83E-02	0.00E+00
1.63E+01	3.64E+01	6.34E-01	-2.93E-02	0.00E+00
1.63E+01	3.65E+01	5.73E-01	-2.44E-02	0.00E+00
1.64E+01	3.61E+01	7.10E-01	-1.46E-02	0.00E+00
1.64E+01	3.59E+01	5.73E-01	-2.20E-02	0.00E+00
1.64E+01	3.58E+01	5.12E-01	-1.71E-02	0.00E+00
1.64E+01	3.55E+01	7.72E-01	-3.91E-02	0.00E+00
1.64E+01	3.52E+01	5.12E-01	1.71E-02	0.00E+00

1.65E+01	3.51E+01	5.73E-01	-9.77E-03	0.00E+00
1.65E+01	3.50E+01	5.73E-01	-1.71E-02	0.00E+00
1.65E+01	3.47E+01	8.18E-01	-1.59E-02	0.00E+00
1.65E+01	3.46E+01	7.56E-01	-9.77E-03	0.00E+00
1.65E+01	3.45E+01	5.88E-01	-1.22E-02	0.00E+00
1.66E+01	3.41E+01	5.12E-01	-2.56E-02	0.00E+00
1.66E+01	3.41E+01	8.02E-01	-1.71E-02	0.00E+00
1.66E+01	3.37E+01	3.89E-01	-1.71E-02	0.00E+00
1.66E+01	3.36E+01	5.58E-01	-1.22E-02	0.00E+00
1.66E+01	3.35E+01	6.65E-01	-2.20E-02	0.00E+00
1.67E+01	3.31E+01	7.87E-01	-3.05E-02	0.00E+00
1.67E+01	3.28E+01	5.73E-01	-3.66E-02	0.00E+00
1.67E+01	3.30E+01	5.42E-01	-1.46E-02	0.00E+00
1.67E+01	3.24E+01	7.56E-01	-2.20E-02	0.00E+00
1.67E+01	3.23E+01	7.56E-01	-9.77E-03	0.00E+00
1.68E+01	3.21E+01	6.34E-01	-3.17E-02	0.00E+00
1.68E+01	3.18E+01	6.19E-01	-9.77E-03	0.00E+00
1.68E+01	3.18E+01	4.51E-01	7.32E-03	0.00E+00
1.68E+01	3.15E+01	8.48E-01	-2.32E-02	0.00E+00
1.68E+01	3.13E+01	6.65E-01	-1.95E-02	0.00E+00
1.69E+01	3.11E+01	6.65E-01	-1.46E-02	0.00E+00
1.69E+01	3.08E+01	4.81E-01	-1.46E-02	0.00E+00
1.69E+01	3.07E+01	6.49E-01	-3.54E-02	0.00E+00
1.69E+01	3.06E+01	5.12E-01	-1.83E-02	0.00E+00
1.69E+01	3.02E+01	4.81E-01	-1.22E-02	0.00E+00
1.70E+01	3.00E+01	4.66E-01	-2.44E-02	0.00E+00
1.70E+01	3.00E+01	6.95E-01	-1.71E-02	0.00E+00
1.70E+01	2.94E+01	7.56E-01	-1.22E-02	0.00E+00
1.70E+01	2.94E+01	5.58E-01	-2.08E-02	0.00E+00
1.70E+01	2.95E+01	5.73E-01	-3.17E-02	0.00E+00
1.71E+01	2.87E+01	8.79E-01	-1.22E-02	0.00E+00
1.71E+01	2.90E+01	4.81E-01	-2.44E-02	0.00E+00
1.71E+01	2.88E+01	6.49E-01	-2.69E-02	0.00E+00
1.71E+01	2.83E+01	7.56E-01	-1.46E-02	0.00E+00
1.71E+01	2.83E+01	5.73E-01	-2.08E-02	0.00E+00
1.72E+01	2.80E+01	7.26E-01	2.44E-03	0.00E+00
1.72E+01	2.77E+01	5.12E-01	-9.77E-03	0.00E+00
1.72E+01	2.78E+01	4.51E-01	-1.46E-02	0.00E+00
1.72E+01	2.73E+01	6.19E-01	-2.32E-02	0.00E+00
1.72E+01	2.71E+01	6.03E-01	-9.77E-03	0.00E+00
1.73E+01	2.65E+01	5.73E-01	-2.44E-02	0.00E+00
1.73E+01	2.66E+01	5.88E-01	-1.71E-02	0.00E+00
1.73E+01	2.64E+01	5.73E-01	-1.46E-02	0.00E+00
1.73E+01	2.57E+01	6.34E-01	-1.34E-02	0.00E+00
1.73E+01	2.59E+01	5.27E-01	-1.22E-02	0.00E+00
1.74E+01	2.56E+01	6.03E-01	-2.93E-02	0.00E+00
1.74E+01	2.54E+01	6.19E-01	-4.88E-03	0.00E+00

1.74E+01	2.53E+01	5.42E-01	-9.77E-03	0.00E+00
1.74E+01	2.47E+01	5.88E-01	-1.95E-02	0.00E+00
1.74E+01	2.47E+01	8.02E-01	-1.22E-02	0.00E+00
1.75E+01	2.44E+01	6.03E-01	-7.32E-03	0.00E+00
1.75E+01	2.42E+01	6.03E-01	0.00E+00	0.00E+00
1.75E+01	2.42E+01	5.88E-01	-2.32E-02	0.00E+00
1.75E+01	2.40E+01	6.95E-01	-7.32E-03	0.00E+00
1.75E+01	2.35E+01	6.03E-01	-1.46E-02	0.00E+00
1.76E+01	2.37E+01	5.42E-01	-3.66E-03	0.00E+00
1.76E+01	2.32E+01	3.74E-01	-2.20E-02	0.00E+00
1.76E+01	2.30E+01	6.03E-01	-2.69E-02	0.00E+00
1.76E+01	2.31E+01	1.75E-01	-2.44E-02	0.00E+00
1.76E+01	2.24E+01	7.56E-01	-2.81E-02	0.00E+00
1.77E+01	2.24E+01	7.26E-01	-7.32E-03	0.00E+00
1.77E+01	2.24E+01	5.58E-01	-1.22E-02	0.00E+00
1.77E+01	2.21E+01	8.18E-01	-2.56E-02	0.00E+00
1.77E+01	2.18E+01	6.19E-01	0.00E+00	0.00E+00
1.77E+01	2.14E+01	6.95E-01	-6.10E-03	0.00E+00
1.78E+01	2.14E+01	4.51E-01	-1.46E-02	0.00E+00
1.78E+01	2.09E+01	7.26E-01	-1.71E-02	0.00E+00
1.78E+01	2.08E+01	6.34E-01	-9.77E-03	0.00E+00
1.78E+01	2.04E+01	6.65E-01	-1.95E-02	0.00E+00
1.78E+01	2.04E+01	7.26E-01	-1.46E-02	0.00E+00
1.79E+01	1.98E+01	6.03E-01	-2.44E-03	0.00E+00
1.79E+01	1.97E+01	5.12E-01	-1.71E-02	0.00E+00
1.79E+01	1.96E+01	7.10E-01	-2.44E-02	0.00E+00
1.79E+01	1.90E+01	7.26E-01	-1.71E-02	0.00E+00
1.79E+01	1.90E+01	4.05E-01	-2.08E-02	0.00E+00
1.80E+01	1.88E+01	7.26E-01	-9.77E-03	0.00E+00
1.80E+01	1.86E+01	8.18E-01	-1.46E-02	0.00E+00
1.80E+01	1.84E+01	4.96E-01	-1.71E-02	0.00E+00
1.80E+01	1.79E+01	5.42E-01	-2.44E-02	0.00E+00
1.80E+01	1.80E+01	6.34E-01	-2.81E-02	0.00E+00
1.81E+01	1.74E+01	8.48E-01	-1.22E-02	0.00E+00
1.81E+01	1.77E+01	4.51E-01	-6.10E-03	0.00E+00
1.81E+01	1.71E+01	4.35E-01	-1.59E-02	0.00E+00
1.81E+01	1.69E+01	8.33E-01	-1.10E-02	0.00E+00
1.81E+01	1.66E+01	5.73E-01	4.88E-03	0.00E+00
1.82E+01	1.65E+01	4.81E-01	-1.95E-02	0.00E+00
1.82E+01	1.64E+01	7.26E-01	-1.46E-02	0.00E+00
1.82E+01	1.60E+01	6.19E-01	-2.20E-02	0.00E+00
1.82E+01	1.60E+01	4.51E-01	-2.20E-02	0.00E+00
1.82E+01	1.54E+01	7.56E-01	-6.10E-03	0.00E+00
1.83E+01	1.55E+01	5.12E-01	-9.77E-03	0.00E+00
1.83E+01	1.50E+01	5.12E-01	-1.10E-02	0.00E+00
1.83E+01	1.50E+01	6.80E-01	-2.44E-02	0.00E+00
1.83E+01	1.47E+01	6.03E-01	-9.77E-03	0.00E+00

1.83E+01	1.43E+01	4.51E-01	-1.22E-02	0.00E+00
1.84E+01	1.45E+01	4.81E-01	-1.59E-02	0.00E+00
1.84E+01	1.38E+01	6.65E-01	-3.54E-02	0.00E+00
1.84E+01	1.37E+01	7.56E-01	-1.46E-02	0.00E+00
1.84E+01	1.33E+01	6.49E-01	-1.95E-02	0.00E+00
1.84E+01	1.32E+01	7.10E-01	-2.44E-02	0.00E+00
1.85E+01	1.29E+01	8.02E-01	-4.88E-03	0.00E+00
1.85E+01	1.25E+01	4.81E-01	-9.77E-03	0.00E+00
1.85E+01	1.24E+01	5.58E-01	-4.03E-02	0.00E+00
1.85E+01	1.20E+01	9.40E-01	-1.46E-02	0.00E+00
1.85E+01	1.19E+01	6.19E-01	-1.22E-02	0.00E+00
1.86E+01	1.15E+01	6.65E-01	-2.93E-02	0.00E+00
1.86E+01	1.14E+01	7.87E-01	-1.71E-02	0.00E+00
1.86E+01	1.11E+01	5.88E-01	-2.44E-03	0.00E+00
1.86E+01	1.09E+01	5.12E-01	-3.66E-02	0.00E+00
1.86E+01	1.05E+01	8.48E-01	-6.10E-03	0.00E+00
1.87E+01	1.03E+01	5.73E-01	3.66E-03	0.00E+00
1.87E+01	9.96E+00	5.42E-01	-2.44E-02	0.00E+00
1.87E+01	9.72E+00	7.26E-01	-3.17E-02	0.00E+00
1.87E+01	9.60E+00	5.73E-01	-1.95E-02	0.00E+00
1.87E+01	9.04E+00	6.03E-01	-1.59E-02	0.00E+00
1.88E+01	9.10E+00	4.20E-01	-2.69E-02	0.00E+00
1.88E+01	8.96E+00	6.80E-01	-1.95E-02	0.00E+00
1.88E+01	8.49E+00	5.27E-01	0.00E+00	0.00E+00
1.88E+01	8.49E+00	5.12E-01	1.46E-02	0.00E+00
1.88E+01	8.49E+00	6.34E-01	-2.69E-02	0.00E+00
1.89E+01	8.57E+00	6.34E-01	-1.46E-02	0.00E+00
1.89E+01	8.43E+00	5.27E-01	-1.46E-02	0.00E+00
1.89E+01	8.52E+00	5.73E-01	-3.54E-02	0.00E+00
1.89E+01	8.54E+00	5.58E-01	-3.17E-02	0.00E+00
1.89E+01	8.64E+00	8.33E-01	-3.66E-02	0.00E+00
1.90E+01	8.49E+00	3.44E-01	-7.32E-03	0.00E+00
1.90E+01	8.37E+00	5.73E-01	-1.22E-02	0.00E+00
1.90E+01	8.57E+00	5.73E-01	-2.44E-02	0.00E+00
1.90E+01	9.06E+00	7.26E-01	-2.44E-02	0.00E+00
1.90E+01	8.87E+00	5.42E-01	-1.34E-02	0.00E+00
1.91E+01	8.97E+00	6.03E-01	0.00E+00	0.00E+00
1.91E+01	9.48E+00	7.56E-01	-2.44E-02	0.00E+00
1.91E+01	9.61E+00	6.80E-01	-1.46E-02	0.00E+00
1.91E+01	9.68E+00	5.73E-01	-2.69E-02	0.00E+00
1.91E+01	1.01E+01	6.03E-01	-1.46E-02	0.00E+00
1.92E+01	9.77E+00	5.27E-01	-7.32E-03	0.00E+00
1.92E+01	1.01E+01	5.73E-01	-4.15E-02	0.00E+00
1.92E+01	1.06E+01	9.40E-01	-2.69E-02	0.00E+00
1.92E+01	1.01E+01	7.56E-01	-9.77E-03	0.00E+00
1.92E+01	1.11E+01	5.12E-01	-6.10E-03	0.00E+00
1.93E+01	1.13E+01	4.20E-01	-2.32E-02	0.00E+00

1.93E+01	1.09E+01	6.03E-01	-1.59E-02	0.00E+00
1.93E+01	1.10E+01	7.41E-01	-2.93E-02	0.00E+00
1.93E+01	1.14E+01	5.42E-01	-7.32E-03	0.00E+00
1.93E+01	1.16E+01	7.26E-01	-2.44E-02	0.00E+00
1.94E+01	1.20E+01	6.19E-01	-1.22E-02	0.00E+00
1.94E+01	1.20E+01	5.27E-01	-1.71E-02	0.00E+00
1.94E+01	1.20E+01	4.35E-01	-2.20E-02	0.00E+00
1.94E+01	1.20E+01	8.48E-01	-3.30E-02	0.00E+00
1.94E+01	1.19E+01	8.33E-01	-1.10E-02	0.00E+00
1.95E+01	1.21E+01	5.42E-01	-1.46E-02	0.00E+00
1.95E+01	1.22E+01	5.42E-01	-2.44E-02	0.00E+00
1.95E+01	1.21E+01	8.02E-01	-2.20E-02	0.00E+00
1.95E+01	1.21E+01	5.12E-01	-1.10E-02	0.00E+00
1.95E+01	1.26E+01	5.73E-01	-1.71E-02	0.00E+00
1.96E+01	1.27E+01	7.56E-01	-2.32E-02	0.00E+00
1.96E+01	1.27E+01	6.03E-01	4.88E-03	0.00E+00
1.96E+01	1.28E+01	5.42E-01	-3.30E-02	0.00E+00
1.96E+01	1.32E+01	5.73E-01	-1.59E-02	0.00E+00
1.96E+01	1.32E+01	8.18E-01	-9.77E-03	0.00E+00
1.97E+01	1.33E+01	4.81E-01	-1.22E-02	0.00E+00
1.97E+01	1.35E+01	7.10E-01	-2.20E-02	0.00E+00
1.97E+01	1.38E+01	6.95E-01	-1.46E-02	0.00E+00
1.97E+01	1.37E+01	5.12E-01	-2.44E-03	0.00E+00
1.97E+01	1.40E+01	5.42E-01	-1.71E-02	0.00E+00
1.98E+01	1.44E+01	9.09E-01	-1.95E-02	0.00E+00
1.98E+01	1.44E+01	7.87E-01	-3.54E-02	0.00E+00
1.98E+01	1.42E+01	5.27E-01	-9.77E-03	0.00E+00
1.98E+01	1.45E+01	4.20E-01	-1.71E-02	0.00E+00
1.98E+01	1.50E+01	6.49E-01	-2.08E-02	0.00E+00
1.99E+01	1.49E+01	6.95E-01	-1.46E-02	0.00E+00
1.99E+01	1.48E+01	6.49E-01	-1.71E-02	0.00E+00
1.99E+01	1.50E+01	6.65E-01	4.88E-03	0.00E+00
1.99E+01	1.53E+01	2.82E-01	-8.54E-03	0.00E+00
1.99E+01	1.55E+01	6.95E-01	-1.10E-02	0.00E+00
2.00E+01	1.55E+01	5.42E-01	-2.44E-02	0.00E+00
2.00E+01	1.56E+01	6.95E-01	-1.22E-02	0.00E+00
2.00E+01	1.61E+01	7.72E-01	-1.10E-02	0.00E+00
2.00E+01	1.60E+01	5.12E-01	-1.95E-02	0.00E+00
2.00E+01	1.62E+01	7.10E-01	-2.08E-02	0.00E+00
2.01E+01	1.63E+01	6.19E-01	-2.44E-03	0.00E+00
2.01E+01	1.66E+01	6.95E-01	-1.46E-02	0.00E+00
2.01E+01	1.66E+01	7.56E-01	-2.93E-02	0.00E+00
2.01E+01	1.70E+01	1.06E+00	-1.46E-02	0.00E+00
2.01E+01	1.71E+01	6.03E-01	-3.17E-02	0.00E+00
2.02E+01	1.73E+01	7.26E-01	-1.34E-02	0.00E+00
2.02E+01	1.80E+01	5.42E-01	-1.83E-02	0.00E+00
2.02E+01	1.78E+01	5.73E-01	-2.44E-03	0.00E+00

2.02E+01	1.78E+01	5.12E-01	-2.44E-03	0.00E+00
2.02E+01	1.82E+01	6.34E-01	-2.44E-02	0.00E+00
2.03E+01	1.85E+01	7.26E-01	-3.54E-02	0.00E+00
2.03E+01	1.84E+01	3.13E-01	1.22E-03	0.00E+00
2.03E+01	1.86E+01	4.96E-01	-1.71E-02	0.00E+00
2.03E+01	1.90E+01	4.35E-01	-2.08E-02	0.00E+00
2.03E+01	1.90E+01	6.95E-01	-1.83E-02	0.00E+00
2.04E+01	1.89E+01	3.13E-01	-4.88E-03	0.00E+00
2.04E+01	1.95E+01	6.65E-01	-9.77E-03	0.00E+00
2.04E+01	1.96E+01	1.00E+00	-2.32E-02	0.00E+00
2.04E+01	1.97E+01	6.03E-01	-1.46E-02	0.00E+00
2.04E+01	2.02E+01	6.95E-01	-2.32E-02	0.00E+00
2.05E+01	2.02E+01	6.19E-01	-1.59E-02	0.00E+00
2.05E+01	2.04E+01	7.10E-01	-1.46E-02	0.00E+00
2.05E+01	2.08E+01	4.81E-01	4.88E-03	0.00E+00
2.05E+01	2.08E+01	7.72E-01	-3.42E-02	0.00E+00
2.05E+01	2.14E+01	6.95E-01	-2.20E-02	0.00E+00
2.06E+01	2.13E+01	5.73E-01	-1.22E-02	0.00E+00
2.06E+01	2.16E+01	6.34E-01	-3.17E-02	0.00E+00
2.06E+01	2.20E+01	5.12E-01	-1.59E-02	0.00E+00
2.06E+01	2.18E+01	6.34E-01	-2.93E-02	0.00E+00
2.06E+01	2.24E+01	4.20E-01	-7.32E-03	0.00E+00
2.07E+01	2.23E+01	4.35E-01	-1.71E-02	0.00E+00
2.07E+01	2.26E+01	7.87E-01	-2.20E-02	0.00E+00
2.07E+01	2.27E+01	6.65E-01	1.34E-02	0.00E+00
2.07E+01	2.30E+01	8.63E-01	-2.20E-02	0.00E+00
2.07E+01	2.31E+01	7.10E-01	-1.71E-02	0.00E+00
2.08E+01	2.35E+01	9.70E-01	-9.77E-03	0.00E+00
2.08E+01	2.36E+01	4.81E-01	-7.32E-03	0.00E+00
2.08E+01	2.36E+01	7.10E-01	-1.95E-02	0.00E+00
2.08E+01	2.43E+01	6.19E-01	-2.93E-02	0.00E+00
2.08E+01	2.42E+01	8.48E-01	-4.88E-03	0.00E+00
2.09E+01	2.43E+01	6.65E-01	-1.71E-02	0.00E+00
2.09E+01	2.48E+01	7.87E-01	-1.46E-02	0.00E+00
2.09E+01	2.48E+01	5.88E-01	-1.83E-02	0.00E+00
2.09E+01	2.51E+01	7.26E-01	-1.22E-02	0.00E+00
2.09E+01	2.52E+01	5.73E-01	-9.77E-03	0.00E+00
2.10E+01	2.54E+01	6.03E-01	-2.20E-02	0.00E+00
2.10E+01	2.61E+01	6.34E-01	-1.46E-02	0.00E+00
2.10E+01	2.59E+01	7.87E-01	2.44E-03	0.00E+00
2.10E+01	2.64E+01	4.05E-01	-1.71E-02	0.00E+00
2.10E+01	2.65E+01	5.27E-01	-2.20E-02	0.00E+00
2.11E+01	2.68E+01	7.56E-01	-3.66E-02	0.00E+00
2.11E+01	2.71E+01	6.95E-01	-1.22E-02	0.00E+00
2.11E+01	2.69E+01	4.35E-01	-2.93E-02	0.00E+00
2.11E+01	2.77E+01	4.96E-01	-2.20E-02	0.00E+00
2.11E+01	2.76E+01	7.56E-01	-3.30E-02	0.00E+00

2.12E+01	2.79E+01	5.58E-01	0.00E+00	0.00E+00
2.12E+01	2.82E+01	6.34E-01	-2.81E-02	0.00E+00
2.12E+01	2.83E+01	8.18E-01	-2.93E-02	0.00E+00
2.12E+01	2.86E+01	7.26E-01	-1.22E-02	0.00E+00
2.12E+01	2.87E+01	7.41E-01	-1.83E-02	0.00E+00
2.13E+01	2.88E+01	5.42E-01	-4.88E-03	0.00E+00
2.13E+01	2.95E+01	6.34E-01	-3.91E-02	0.00E+00
2.13E+01	2.95E+01	7.10E-01	-2.44E-03	0.00E+00
2.13E+01	2.96E+01	3.59E-01	-1.46E-02	0.00E+00
2.13E+01	2.99E+01	5.12E-01	-1.95E-02	0.00E+00
2.14E+01	3.00E+01	5.73E-01	-1.95E-02	0.00E+00
2.14E+01	3.05E+01	7.10E-01	-4.88E-03	0.00E+00
2.14E+01	3.05E+01	6.65E-01	-1.46E-02	0.00E+00
2.14E+01	3.06E+01	5.42E-01	-2.93E-02	0.00E+00
2.14E+01	3.12E+01	8.18E-01	-1.46E-02	0.00E+00
2.15E+01	3.12E+01	6.34E-01	-1.46E-02	0.00E+00
2.15E+01	3.14E+01	8.94E-01	-2.93E-02	0.00E+00
2.15E+01	3.17E+01	7.56E-01	-1.83E-02	0.00E+00
2.15E+01	3.18E+01	7.41E-01	-1.71E-02	0.00E+00
2.15E+01	3.22E+01	6.65E-01	-1.95E-02	0.00E+00
2.16E+01	3.24E+01	5.42E-01	-2.20E-02	0.00E+00
2.16E+01	3.26E+01	6.65E-01	-3.17E-02	0.00E+00
2.16E+01	3.29E+01	6.49E-01	-4.88E-03	0.00E+00
2.16E+01	3.27E+01	5.12E-01	-2.20E-02	0.00E+00
2.16E+01	3.36E+01	7.26E-01	-1.59E-02	0.00E+00
2.17E+01	3.35E+01	6.34E-01	-1.10E-02	0.00E+00
2.17E+01	3.37E+01	6.34E-01	-1.46E-02	0.00E+00
2.17E+01	3.42E+01	5.42E-01	-4.88E-03	0.00E+00
2.17E+01	3.41E+01	5.58E-01	-1.10E-02	0.00E+00
2.17E+01	3.45E+01	6.34E-01	-9.77E-03	0.00E+00
2.18E+01	3.46E+01	5.73E-01	-1.59E-02	0.00E+00
2.18E+01	3.48E+01	5.27E-01	-2.56E-02	0.00E+00
2.18E+01	3.52E+01	6.65E-01	-6.10E-03	0.00E+00
2.18E+01	3.52E+01	6.65E-01	-2.32E-02	0.00E+00
2.18E+01	3.55E+01	4.20E-01	-1.59E-02	0.00E+00
2.19E+01	3.60E+01	7.87E-01	-1.71E-02	0.00E+00
2.19E+01	3.57E+01	7.10E-01	-1.10E-02	0.00E+00
2.19E+01	3.64E+01	6.03E-01	-7.32E-03	0.00E+00
2.19E+01	3.64E+01	5.73E-01	-2.69E-02	0.00E+00
2.19E+01	3.69E+01	8.02E-01	-2.93E-02	0.00E+00
2.20E+01	3.69E+01	7.26E-01	-1.22E-02	0.00E+00
2.20E+01	3.69E+01	6.49E-01	-3.66E-02	0.00E+00
2.20E+01	3.75E+01	7.87E-01	-8.54E-03	0.00E+00
2.20E+01	3.76E+01	9.86E-01	-2.20E-02	0.00E+00
2.20E+01	3.78E+01	5.73E-01	-7.32E-03	0.00E+00
2.21E+01	3.80E+01	7.10E-01	-1.95E-02	0.00E+00
2.21E+01	3.81E+01	4.66E-01	-2.69E-02	0.00E+00

2.21E+01	3.85E+01	8.33E-01	-4.39E-02	0.00E+00
2.21E+01	3.86E+01	6.34E-01	1.22E-02	0.00E+00
2.21E+01	3.87E+01	8.02E-01	-1.71E-02	0.00E+00
2.22E+01	3.93E+01	6.49E-01	-2.32E-02	0.00E+00
2.22E+01	3.94E+01	7.56E-01	-2.32E-02	0.00E+00
2.22E+01	3.92E+01	6.34E-01	-1.22E-02	0.00E+00
2.22E+01	3.98E+01	6.95E-01	-2.08E-02	0.00E+00
2.22E+01	3.99E+01	6.65E-01	-2.44E-03	0.00E+00
2.23E+01	4.03E+01	5.27E-01	-9.77E-03	0.00E+00
2.23E+01	4.04E+01	4.81E-01	-1.71E-02	0.00E+00
2.23E+01	4.04E+01	5.42E-01	-1.22E-02	0.00E+00
2.23E+01	4.10E+01	5.42E-01	-2.44E-02	0.00E+00
2.23E+01	4.09E+01	7.87E-01	-1.59E-02	0.00E+00
2.24E+01	4.10E+01	7.87E-01	-3.54E-02	0.00E+00
2.24E+01	4.16E+01	8.18E-01	-2.69E-02	0.00E+00
2.24E+01	4.17E+01	5.42E-01	-2.44E-02	0.00E+00
2.24E+01	4.15E+01	7.87E-01	0.00E+00	0.00E+00
2.24E+01	4.22E+01	4.20E-01	-2.69E-02	0.00E+00
2.25E+01	4.23E+01	6.19E-01	-4.88E-03	0.00E+00
2.25E+01	4.22E+01	7.26E-01	-3.78E-02	0.00E+00
2.25E+01	4.27E+01	6.95E-01	-1.10E-02	0.00E+00
2.25E+01	4.28E+01	5.42E-01	-1.83E-02	0.00E+00
2.25E+01	4.28E+01	5.73E-01	-2.56E-02	0.00E+00
2.26E+01	4.34E+01	7.72E-01	-2.20E-02	0.00E+00
2.26E+01	4.33E+01	6.95E-01	1.46E-02	0.00E+00
2.26E+01	4.33E+01	7.56E-01	2.44E-03	0.00E+00
2.26E+01	4.38E+01	7.56E-01	-1.95E-02	0.00E+00
2.26E+01	4.40E+01	1.03E+00	-1.71E-02	0.00E+00
2.27E+01	4.39E+01	1.19E+01	-1.95E-02	0.00E+00
2.27E+01	4.43E+01	1.41E+01	-2.69E-02	0.00E+00
2.27E+01	4.44E+01	1.86E+01	-1.22E-02	0.00E+00
2.27E+01	4.45E+01	1.50E+01	-3.42E-02	0.00E+00
2.27E+01	4.45E+01	8.22E+00	-2.08E-02	0.00E+00
2.28E+01	4.46E+01	2.47E+00	-2.69E-02	0.00E+00
2.28E+01	4.46E+01	3.92E+00	-1.22E-02	0.00E+00
2.28E+01	4.45E+01	7.62E+00	-9.77E-03	0.00E+00
2.28E+01	4.46E+01	9.96E+00	-2.44E-03	0.00E+00
2.28E+01	4.45E+01	1.46E+01	-4.15E-02	0.00E+00
2.29E+01	4.45E+01	1.45E+01	-1.71E-02	0.00E+00
2.29E+01	4.44E+01	1.17E+01	-4.88E-03	0.00E+00
2.29E+01	4.45E+01	1.10E+01	-1.71E-02	0.00E+00
2.29E+01	4.45E+01	9.75E+00	-2.20E-02	0.00E+00
2.29E+01	4.45E+01	1.06E+01	-1.22E-02	0.00E+00
2.30E+01	4.44E+01	1.35E+01	9.77E-03	0.00E+00
2.30E+01	4.46E+01	1.61E+01	-2.44E-02	0.00E+00
2.30E+01	4.51E+01	2.04E+01	-1.71E-02	0.00E+00
2.30E+01	4.51E+01	2.21E+01	-9.77E-03	0.00E+00

2.30E+01	4.50E+01	2.19E+01	-1.22E-02	0.00E+00
2.31E+01	4.52E+01	2.28E+01	-2.08E-02	0.00E+00
2.31E+01	4.51E+01	2.41E+01	1.71E-02	0.00E+00
2.31E+01	4.55E+01	2.76E+01	-6.10E-03	0.00E+00
2.31E+01	4.56E+01	2.97E+01	-2.44E-02	0.00E+00
2.31E+01	4.58E+01	3.12E+01	-2.44E-02	0.00E+00
2.32E+01	4.57E+01	3.20E+01	-1.22E-02	0.00E+00
2.32E+01	4.57E+01	3.17E+01	-6.10E-03	0.00E+00
2.32E+01	4.56E+01	3.21E+01	-2.08E-02	0.00E+00
2.32E+01	4.58E+01	3.23E+01	-4.88E-03	0.00E+00
2.32E+01	4.56E+01	3.23E+01	-1.59E-02	0.00E+00
2.33E+01	4.56E+01	3.22E+01	-2.81E-02	0.00E+00
2.33E+01	4.58E+01	3.10E+01	-2.44E-02	0.00E+00
2.33E+01	4.56E+01	3.06E+01	6.10E-03	0.00E+00
2.33E+01	4.57E+01	3.01E+01	-4.27E-02	0.00E+00
2.33E+01	4.56E+01	3.05E+01	-2.81E-02	0.00E+00
2.34E+01	4.55E+01	2.30E+01	-2.32E-02	0.00E+00
2.34E+01	4.50E+01	1.49E+01	-8.54E-03	0.00E+00
2.34E+01	4.50E+01	7.12E+00	-1.46E-02	0.00E+00
2.34E+01	4.48E+01	4.88E+00	-1.46E-02	0.00E+00
2.34E+01	4.47E+01	5.19E+00	-4.88E-03	0.00E+00
2.35E+01	4.46E+01	1.06E+01	-2.20E-02	0.00E+00
2.35E+01	4.47E+01	1.35E+01	-2.20E-02	0.00E+00
2.35E+01	4.47E+01	1.67E+01	-1.59E-02	0.00E+00
2.35E+01	4.46E+01	1.44E+01	-7.32E-03	0.00E+00
2.35E+01	4.46E+01	1.07E+01	-2.44E-02	0.00E+00
2.36E+01	4.47E+01	8.62E+00	-4.88E-03	0.00E+00
2.36E+01	4.47E+01	8.16E+00	-7.32E-03	0.00E+00
2.36E+01	4.46E+01	1.05E+01	-1.95E-02	0.00E+00
2.36E+01	4.47E+01	1.42E+01	-2.93E-02	0.00E+00
2.36E+01	4.46E+01	1.50E+01	-1.22E-02	0.00E+00
2.37E+01	4.45E+01	1.27E+01	-1.71E-02	0.00E+00
2.37E+01	4.47E+01	1.07E+01	-2.32E-02	0.00E+00
2.37E+01	4.47E+01	9.44E+00	-1.71E-02	0.00E+00
2.37E+01	4.48E+01	1.04E+01	-1.22E-02	0.00E+00
2.37E+01	4.46E+01	1.22E+01	-1.83E-02	0.00E+00
2.38E+01	4.47E+01	1.33E+01	-2.20E-02	0.00E+00
2.38E+01	4.45E+01	1.34E+01	-2.08E-02	0.00E+00
2.38E+01	4.46E+01	1.13E+01	-2.81E-02	0.00E+00
2.38E+01	4.46E+01	1.01E+01	-3.42E-02	0.00E+00
2.38E+01	4.46E+01	9.99E+00	-7.32E-03	0.00E+00
2.39E+01	4.46E+01	1.02E+01	-1.22E-02	0.00E+00
2.39E+01	4.46E+01	1.24E+01	-2.20E-02	0.00E+00
2.39E+01	4.46E+01	1.28E+01	-1.22E-02	0.00E+00
2.39E+01	4.46E+01	1.21E+01	2.44E-03	0.00E+00
2.39E+01	4.47E+01	1.16E+01	-2.20E-02	0.00E+00
2.40E+01	4.48E+01	1.03E+01	-2.20E-02	0.00E+00

2.40E+01	4.46E+01	1.05E+01	-1.95E-02	0.00E+00
2.40E+01	4.45E+01	1.11E+01	-9.77E-03	0.00E+00
2.40E+01	4.46E+01	1.21E+01	-3.42E-02	0.00E+00
2.40E+01	4.47E+01	1.26E+01	-2.93E-02	0.00E+00
2.41E+01	4.46E+01	1.17E+01	-1.46E-02	0.00E+00
2.41E+01	4.48E+01	1.07E+01	-2.08E-02	0.00E+00
2.41E+01	4.47E+01	1.03E+01	-1.95E-02	0.00E+00
2.41E+01	4.46E+01	1.12E+01	-2.08E-02	0.00E+00
2.41E+01	4.46E+01	1.18E+01	-7.32E-03	0.00E+00
2.42E+01	4.46E+01	1.23E+01	-4.39E-02	0.00E+00
2.42E+01	4.47E+01	1.18E+01	-1.83E-02	0.00E+00
2.42E+01	4.46E+01	1.14E+01	-1.59E-02	0.00E+00
2.42E+01	4.46E+01	1.07E+01	-1.95E-02	0.00E+00
2.42E+01	4.46E+01	1.09E+01	-3.17E-02	0.00E+00
2.43E+01	4.46E+01	1.13E+01	2.44E-03	0.00E+00
2.43E+01	4.46E+01	1.21E+01	-1.71E-02	0.00E+00
2.43E+01	4.46E+01	1.15E+01	-2.44E-03	0.00E+00
2.43E+01	4.47E+01	1.14E+01	-2.93E-02	0.00E+00
2.43E+01	4.47E+01	1.12E+01	-7.32E-03	0.00E+00
2.44E+01	4.46E+01	1.11E+01	-1.46E-02	0.00E+00
2.44E+01	4.46E+01	1.12E+01	-2.93E-02	0.00E+00
2.44E+01	4.46E+01	1.21E+01	-4.64E-02	0.00E+00
2.44E+01	4.46E+01	1.18E+01	-7.32E-03	0.00E+00
2.44E+01	4.46E+01	1.16E+01	-1.10E-02	0.00E+00
2.45E+01	4.46E+01	1.10E+01	-3.30E-02	0.00E+00
2.45E+01	4.47E+01	1.11E+01	-1.71E-02	0.00E+00
2.45E+01	4.46E+01	1.12E+01	-3.17E-02	0.00E+00
2.45E+01	4.46E+01	1.15E+01	-3.17E-02	0.00E+00
2.45E+01	4.47E+01	1.19E+01	-3.17E-02	0.00E+00
2.46E+01	4.47E+01	1.18E+01	-1.95E-02	0.00E+00
2.46E+01	4.46E+01	1.12E+01	-7.32E-03	0.00E+00
2.46E+01	4.46E+01	1.12E+01	-1.71E-02	0.00E+00
2.46E+01	4.46E+01	1.09E+01	-2.20E-02	0.00E+00
2.46E+01	4.46E+01	1.17E+01	3.66E-03	0.00E+00
2.47E+01	4.45E+01	1.20E+01	-2.20E-02	0.00E+00
2.47E+01	4.46E+01	1.16E+01	-1.95E-02	0.00E+00
2.47E+01	4.47E+01	1.14E+01	-3.42E-02	0.00E+00
2.47E+01	4.46E+01	1.12E+01	-1.22E-02	0.00E+00
2.47E+01	4.46E+01	1.09E+01	0.00E+00	0.00E+00
2.48E+01	4.47E+01	1.14E+01	-3.05E-02	0.00E+00
2.48E+01	4.47E+01	1.16E+01	-9.77E-03	0.00E+00
2.48E+01	4.45E+01	1.15E+01	-1.10E-02	0.00E+00
2.48E+01	4.46E+01	1.14E+01	-1.22E-02	0.00E+00
2.48E+01	4.47E+01	1.13E+01	-2.69E-02	0.00E+00
2.49E+01	4.46E+01	1.11E+01	-1.22E-02	0.00E+00
2.49E+01	4.46E+01	1.10E+01	-1.95E-02	0.00E+00
2.49E+01	4.48E+01	1.12E+01	-2.20E-02	0.00E+00

2.49E+01	4.47E+01	1.17E+01	-1.22E-02	0.00E+00
2.49E+01	4.46E+01	1.15E+01	-1.22E-02	0.00E+00
2.50E+01	4.46E+01	1.12E+01	-2.69E-02	0.00E+00
2.50E+01	4.48E+01	1.12E+01	-2.44E-03	0.00E+00
2.50E+01	4.47E+01	1.13E+01	6.10E-03	0.00E+00
2.50E+01	4.46E+01	1.13E+01	-1.22E-02	0.00E+00
2.50E+01	4.46E+01	1.17E+01	-3.05E-02	0.00E+00
2.51E+01	4.46E+01	1.14E+01	-3.42E-02	0.00E+00
2.51E+01	4.46E+01	1.12E+01	-1.22E-02	0.00E+00
2.51E+01	4.44E+01	1.11E+01	-3.17E-02	0.00E+00
2.51E+01	4.46E+01	1.13E+01	2.44E-03	0.00E+00
2.51E+01	4.47E+01	1.16E+01	-1.95E-02	0.00E+00
2.52E+01	4.47E+01	1.18E+01	-1.59E-02	0.00E+00
2.52E+01	4.47E+01	1.15E+01	-1.71E-02	0.00E+00
2.52E+01	4.47E+01	1.09E+01	-2.20E-02	0.00E+00
2.52E+01	4.48E+01	1.11E+01	-3.17E-02	0.00E+00
2.52E+01	4.46E+01	1.14E+01	-1.22E-02	0.00E+00
2.53E+01	4.45E+01	1.15E+01	-1.46E-02	0.00E+00
2.53E+01	4.47E+01	1.14E+01	-2.44E-02	0.00E+00
2.53E+01	4.45E+01	1.16E+01	-3.42E-02	0.00E+00
2.53E+01	4.47E+01	1.12E+01	-6.10E-03	0.00E+00
2.53E+01	4.45E+01	1.11E+01	-6.10E-03	0.00E+00
2.54E+01	4.47E+01	1.12E+01	-2.69E-02	0.00E+00
2.54E+01	4.47E+01	1.14E+01	-1.95E-02	0.00E+00
2.54E+01	4.46E+01	1.14E+01	-2.44E-03	0.00E+00
2.54E+01	4.46E+01	1.13E+01	-9.77E-03	0.00E+00
2.54E+01	4.47E+01	1.13E+01	-1.83E-02	0.00E+00
2.55E+01	4.47E+01	1.11E+01	-1.71E-02	0.00E+00
2.55E+01	4.46E+01	1.11E+01	-9.77E-03	0.00E+00
2.55E+01	4.47E+01	1.15E+01	1.22E-02	0.00E+00
2.55E+01	4.47E+01	1.15E+01	-2.44E-02	0.00E+00
2.55E+01	4.47E+01	1.17E+01	-3.17E-02	0.00E+00
2.56E+01	4.47E+01	1.15E+01	-1.34E-02	0.00E+00
2.56E+01	4.45E+01	1.09E+01	-1.59E-02	0.00E+00
2.56E+01	4.46E+01	1.12E+01	-2.44E-02	0.00E+00
2.56E+01	4.46E+01	1.15E+01	-2.44E-02	0.00E+00
2.56E+01	4.46E+01	1.17E+01	-2.81E-02	0.00E+00
2.57E+01	4.46E+01	1.13E+01	-3.66E-03	0.00E+00
2.57E+01	4.47E+01	1.12E+01	-3.91E-02	0.00E+00
2.57E+01	4.46E+01	1.11E+01	-1.95E-02	0.00E+00
2.57E+01	4.46E+01	1.11E+01	-2.20E-02	0.00E+00
2.57E+01	4.45E+01	1.15E+01	-7.32E-03	0.00E+00
2.58E+01	4.47E+01	1.14E+01	-3.42E-02	0.00E+00
2.58E+01	4.46E+01	1.16E+01	-2.08E-02	0.00E+00
2.58E+01	4.45E+01	1.13E+01	-2.93E-02	0.00E+00
2.58E+01	4.46E+01	1.11E+01	8.54E-03	0.00E+00
2.58E+01	4.46E+01	1.11E+01	-1.59E-02	0.00E+00

2.59E+01	4.46E+01	1.14E+01	-2.08E-02	0.00E+00
2.59E+01	4.46E+01	1.16E+01	-1.46E-02	0.00E+00
2.59E+01	4.46E+01	1.17E+01	-7.32E-03	0.00E+00
2.59E+01	4.47E+01	1.11E+01	-2.44E-03	0.00E+00
2.59E+01	4.47E+01	1.11E+01	-5.13E-02	0.00E+00
2.60E+01	4.46E+01	1.10E+01	-1.71E-02	0.00E+00
2.60E+01	4.47E+01	1.15E+01	-1.46E-02	0.00E+00
2.60E+01	4.45E+01	1.14E+01	-1.59E-02	0.00E+00
2.60E+01	4.46E+01	1.13E+01	-1.83E-02	0.00E+00
2.60E+01	4.48E+01	1.12E+01	-3.91E-02	0.00E+00
2.61E+01	4.47E+01	1.12E+01	-7.32E-03	0.00E+00
2.61E+01	4.45E+01	1.13E+01	-8.54E-03	0.00E+00
2.61E+01	4.46E+01	1.13E+01	-1.95E-02	0.00E+00
2.61E+01	4.47E+01	1.13E+01	-2.93E-02	0.00E+00
2.61E+01	4.47E+01	1.15E+01	-2.93E-02	0.00E+00
2.62E+01	4.46E+01	1.14E+01	-1.34E-02	0.00E+00
2.62E+01	4.45E+01	1.11E+01	-1.22E-02	0.00E+00
2.62E+01	4.46E+01	1.12E+01	-2.32E-02	0.00E+00
2.62E+01	4.47E+01	1.14E+01	-2.81E-02	0.00E+00
2.62E+01	4.47E+01	1.15E+01	2.44E-03	0.00E+00
2.63E+01	4.46E+01	1.13E+01	-1.22E-02	0.00E+00
2.63E+01	4.44E+01	1.12E+01	-1.71E-02	0.00E+00
2.63E+01	4.46E+01	1.13E+01	-2.69E-02	0.00E+00
2.63E+01	4.46E+01	1.13E+01	-1.95E-02	0.00E+00
2.63E+01	4.46E+01	1.12E+01	-1.10E-02	0.00E+00
2.64E+01	4.47E+01	1.14E+01	-7.32E-03	0.00E+00
2.64E+01	4.46E+01	1.16E+01	-3.66E-02	0.00E+00
2.64E+01	4.47E+01	1.15E+01	-2.81E-02	0.00E+00
2.64E+01	4.46E+01	1.14E+01	-1.59E-02	0.00E+00
2.64E+01	4.47E+01	1.12E+01	-2.44E-03	0.00E+00
2.65E+01	4.45E+01	1.13E+01	-2.44E-02	0.00E+00
2.65E+01	4.47E+01	1.14E+01	-2.81E-02	0.00E+00
2.65E+01	4.47E+01	1.14E+01	-2.08E-02	0.00E+00
2.65E+01	4.47E+01	1.15E+01	-2.44E-02	0.00E+00
2.65E+01	4.46E+01	1.14E+01	-9.77E-03	0.00E+00
2.66E+01	4.46E+01	1.12E+01	-9.77E-03	0.00E+00
2.66E+01	4.47E+01	1.15E+01	-3.30E-02	0.00E+00
2.66E+01	4.46E+01	1.16E+01	-1.59E-02	0.00E+00
2.66E+01	4.47E+01	1.14E+01	-1.46E-02	0.00E+00
2.66E+01	4.46E+01	1.10E+01	-2.69E-02	0.00E+00
2.67E+01	4.47E+01	1.12E+01	-2.08E-02	0.00E+00
2.67E+01	4.47E+01	1.13E+01	-2.44E-02	0.00E+00
2.67E+01	4.46E+01	1.14E+01	-4.88E-03	0.00E+00
2.67E+01	4.45E+01	1.12E+01	-9.77E-03	0.00E+00
2.67E+01	4.48E+01	1.12E+01	-4.88E-03	0.00E+00
2.68E+01	4.46E+01	1.12E+01	-3.66E-02	0.00E+00
2.68E+01	4.46E+01	1.14E+01	-2.44E-02	0.00E+00

2.68E+01 4.46E+01 1.14E+01 -9.77E-03 0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1105A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1105.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 23:10.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 1440

Independe 0.02

Independe -4.26

Independe Sec

Time Sec	Angle Degrees	Force lbs	LiftgateMo volts	StrutCalDisplacement inches
-4.26E+00	7.59E+01	8.48E-01	3.66E-03	0.00E+00
-4.24E+00	7.58E+01	5.12E-01	-7.32E-03	0.00E+00
-4.22E+00	7.59E+01	8.63E-01	-1.95E-02	0.00E+00
-4.20E+00	7.59E+01	6.03E-01	-2.69E-02	0.00E+00
-4.18E+00	7.60E+01	9.70E-01	0.00E+00	0.00E+00
-4.16E+00	7.59E+01	5.42E-01	-2.81E-02	0.00E+00
-4.14E+00	7.59E+01	6.65E-01	9.77E-03	0.00E+00
-4.12E+00	7.58E+01	7.56E-01	-1.10E-02	0.00E+00
-4.10E+00	7.58E+01	6.95E-01	-6.10E-03	0.00E+00
-4.08E+00	7.60E+01	6.80E-01	-3.42E-02	0.00E+00
-4.06E+00	7.59E+01	6.95E-01	-1.46E-02	0.00E+00
-4.04E+00	7.59E+01	6.34E-01	-2.44E-02	0.00E+00
-4.02E+00	7.58E+01	7.87E-01	1.71E-02	0.00E+00
-4.00E+00	7.58E+01	5.58E-01	-3.05E-02	0.00E+00
-3.98E+00	7.59E+01	6.49E-01	-2.08E-02	0.00E+00
-3.96E+00	7.59E+01	6.03E-01	-1.95E-02	0.00E+00
-3.94E+00	7.59E+01	8.48E-01	1.22E-03	0.00E+00
-3.92E+00	7.58E+01	4.20E-01	-1.46E-02	0.00E+00
-3.90E+00	7.57E+01	5.88E-01	-1.95E-02	0.00E+00
-3.88E+00	7.59E+01	5.88E-01	-1.71E-02	0.00E+00
-3.86E+00	7.60E+01	6.03E-01	-2.69E-02	0.00E+00
-3.84E+00	7.58E+01	8.18E-01	-1.83E-02	0.00E+00
-3.82E+00	7.56E+01	5.42E-01	-1.71E-02	0.00E+00
-3.80E+00	7.58E+01	3.89E-01	-1.59E-02	0.00E+00
-3.78E+00	7.59E+01	6.65E-01	-7.32E-03	0.00E+00
-3.76E+00	7.59E+01	7.26E-01	-2.32E-02	0.00E+00
-3.74E+00	7.58E+01	7.87E-01	-1.10E-02	0.00E+00
-3.72E+00	7.60E+01	7.56E-01	-1.22E-02	0.00E+00
-3.70E+00	7.58E+01	6.19E-01	-9.77E-03	0.00E+00
-3.68E+00	7.60E+01	5.42E-01	-2.93E-02	0.00E+00
-3.66E+00	7.59E+01	6.95E-01	-6.10E-03	0.00E+00

-3.64E+00	7.58E+01	8.63E-01	-4.88E-03	0.00E+00
-3.62E+00	7.58E+01	6.65E-01	-8.54E-03	0.00E+00
-3.60E+00	7.59E+01	5.73E-01	-4.03E-02	0.00E+00
-3.58E+00	7.59E+01	7.10E-01	-2.93E-02	0.00E+00
-3.56E+00	7.59E+01	7.41E-01	-1.46E-02	0.00E+00
-3.54E+00	7.58E+01	7.56E-01	-9.77E-03	0.00E+00
-3.52E+00	7.58E+01	5.42E-01	-3.91E-02	0.00E+00
-3.50E+00	7.58E+01	5.58E-01	-2.81E-02	0.00E+00
-3.48E+00	7.59E+01	6.65E-01	-2.20E-02	0.00E+00
-3.46E+00	7.59E+01	7.26E-01	-1.22E-02	0.00E+00
-3.44E+00	7.57E+01	5.12E-01	-1.22E-02	0.00E+00
-3.42E+00	7.59E+01	3.28E-01	-2.93E-02	0.00E+00
-3.40E+00	7.59E+01	5.27E-01	-4.88E-02	0.00E+00
-3.38E+00	7.59E+01	6.34E-01	-1.59E-02	0.00E+00
-3.36E+00	7.59E+01	6.65E-01	-1.22E-02	0.00E+00
-3.34E+00	7.58E+01	7.26E-01	-9.77E-03	0.00E+00
-3.32E+00	7.59E+01	5.73E-01	-1.95E-02	0.00E+00
-3.30E+00	7.59E+01	1.75E-01	-1.46E-02	0.00E+00
-3.28E+00	7.60E+01	4.81E-01	-2.93E-02	0.00E+00
-3.26E+00	7.58E+01	6.34E-01	-4.88E-03	0.00E+00
-3.24E+00	7.58E+01	5.42E-01	-7.32E-03	0.00E+00
-3.22E+00	7.58E+01	6.19E-01	-9.77E-03	0.00E+00
-3.20E+00	7.59E+01	5.42E-01	-2.93E-02	0.00E+00
-3.18E+00	7.59E+01	8.02E-01	1.22E-03	0.00E+00
-3.16E+00	7.59E+01	6.95E-01	-9.77E-03	0.00E+00
-3.14E+00	7.59E+01	6.95E-01	-1.59E-02	0.00E+00
-3.12E+00	7.58E+01	6.65E-01	-1.22E-03	0.00E+00
-3.10E+00	7.58E+01	4.51E-01	-2.44E-02	0.00E+00
-3.08E+00	7.59E+01	2.82E-01	-2.69E-02	0.00E+00
-3.06E+00	7.59E+01	3.59E-01	-4.39E-02	0.00E+00
-3.04E+00	7.58E+01	7.41E-01	3.66E-03	0.00E+00
-3.02E+00	7.58E+01	5.27E-01	-3.66E-03	0.00E+00
-3.00E+00	7.58E+01	7.87E-01	-1.59E-02	0.00E+00
-2.98E+00	7.58E+01	4.96E-01	-1.22E-02	0.00E+00
-2.96E+00	7.58E+01	7.87E-01	-2.20E-02	0.00E+00
-2.94E+00	7.59E+01	6.34E-01	-7.32E-03	0.00E+00
-2.92E+00	7.58E+01	4.51E-01	-1.22E-02	0.00E+00
-2.90E+00	7.58E+01	5.58E-01	-1.71E-02	0.00E+00
-2.88E+00	7.59E+01	7.26E-01	-1.71E-02	0.00E+00
-2.86E+00	7.59E+01	4.96E-01	-2.81E-02	0.00E+00
-2.84E+00	7.58E+01	6.19E-01	-3.17E-02	0.00E+00
-2.82E+00	7.59E+01	7.56E-01	-2.44E-02	0.00E+00
-2.80E+00	7.59E+01	6.65E-01	-1.22E-02	0.00E+00
-2.78E+00	7.59E+01	5.73E-01	-3.66E-03	0.00E+00
-2.76E+00	7.59E+01	5.42E-01	-2.44E-02	0.00E+00
-2.74E+00	7.59E+01	8.48E-01	-2.20E-02	0.00E+00
-2.72E+00	7.59E+01	6.65E-01	-9.77E-03	0.00E+00

-2.70E+00	7.58E+01	6.34E-01	-4.88E-03	0.00E+00
-2.68E+00	7.58E+01	5.88E-01	-1.46E-02	0.00E+00
-2.66E+00	7.59E+01	4.81E-01	-1.83E-02	0.00E+00
-2.64E+00	7.59E+01	6.34E-01	-3.30E-02	0.00E+00
-2.62E+00	7.58E+01	6.34E-01	-1.83E-02	0.00E+00
-2.60E+00	7.58E+01	7.87E-01	-8.54E-03	0.00E+00
-2.58E+00	7.59E+01	5.12E-01	-1.59E-02	0.00E+00
-2.56E+00	7.58E+01	5.73E-01	-2.44E-03	0.00E+00
-2.54E+00	7.60E+01	7.10E-01	-1.95E-02	0.00E+00
-2.52E+00	7.58E+01	6.03E-01	-9.77E-03	0.00E+00
-2.50E+00	7.57E+01	7.26E-01	-1.71E-02	0.00E+00
-2.48E+00	7.59E+01	5.42E-01	-9.77E-03	0.00E+00
-2.46E+00	7.58E+01	4.20E-01	-1.46E-02	0.00E+00
-2.44E+00	7.61E+01	6.34E-01	-2.08E-02	0.00E+00
-2.42E+00	7.59E+01	7.26E-01	-3.17E-02	0.00E+00
-2.40E+00	7.59E+01	5.12E-01	-2.20E-02	0.00E+00
-2.38E+00	7.58E+01	5.73E-01	-1.22E-02	0.00E+00
-2.36E+00	7.59E+01	6.03E-01	-2.69E-02	0.00E+00
-2.34E+00	7.59E+01	6.34E-01	-2.32E-02	0.00E+00
-2.32E+00	7.59E+01	7.56E-01	-1.71E-02	0.00E+00
-2.30E+00	7.58E+01	6.95E-01	2.44E-03	0.00E+00
-2.28E+00	7.58E+01	6.03E-01	-1.46E-02	0.00E+00
-2.26E+00	7.59E+01	6.65E-01	-2.20E-02	0.00E+00
-2.24E+00	7.59E+01	5.73E-01	-2.08E-02	0.00E+00
-2.22E+00	7.58E+01	6.65E-01	-1.22E-02	0.00E+00
-2.20E+00	7.58E+01	3.89E-01	-7.32E-03	0.00E+00
-2.18E+00	7.57E+01	6.03E-01	-1.71E-02	0.00E+00
-2.16E+00	7.59E+01	6.03E-01	-2.93E-02	0.00E+00
-2.14E+00	7.59E+01	5.42E-01	-1.95E-02	0.00E+00
-2.12E+00	7.58E+01	6.95E-01	2.44E-03	0.00E+00
-2.10E+00	7.58E+01	6.03E-01	-9.77E-03	0.00E+00
-2.08E+00	7.58E+01	7.10E-01	-9.77E-03	0.00E+00
-2.06E+00	7.59E+01	6.34E-01	-2.20E-02	0.00E+00
-2.04E+00	7.59E+01	7.10E-01	-1.71E-02	0.00E+00
-2.02E+00	7.59E+01	4.81E-01	-1.46E-02	0.00E+00
-2.00E+00	7.59E+01	7.56E-01	-1.22E-02	0.00E+00
-1.98E+00	7.58E+01	6.03E-01	-1.71E-02	0.00E+00
-1.96E+00	7.59E+01	6.03E-01	-2.93E-02	0.00E+00
-1.94E+00	7.60E+01	6.95E-01	-2.20E-02	0.00E+00
-1.92E+00	7.57E+01	6.34E-01	-1.22E-02	0.00E+00
-1.90E+00	7.58E+01	6.80E-01	-1.34E-02	0.00E+00
-1.88E+00	7.59E+01	7.26E-01	-2.08E-02	0.00E+00
-1.86E+00	7.59E+01	5.73E-01	-4.64E-02	0.00E+00
-1.84E+00	7.58E+01	5.73E-01	-1.22E-02	0.00E+00
-1.82E+00	7.59E+01	7.87E-01	-1.71E-02	0.00E+00
-1.80E+00	7.58E+01	7.87E-01	-4.88E-03	0.00E+00
-1.78E+00	7.59E+01	4.66E-01	-1.59E-02	0.00E+00

-1.76E+00	7.57E+01	8.79E-01	-1.59E-02	0.00E+00
-1.74E+00	7.59E+01	4.81E-01	-2.44E-02	0.00E+00
-1.72E+00	7.59E+01	7.26E-01	-3.66E-02	0.00E+00
-1.70E+00	7.58E+01	6.49E-01	-1.59E-02	0.00E+00
-1.68E+00	7.58E+01	7.26E-01	-1.22E-02	0.00E+00
-1.66E+00	7.59E+01	6.34E-01	1.10E-02	0.00E+00
-1.64E+00	7.59E+01	6.03E-01	-2.32E-02	0.00E+00
-1.62E+00	7.60E+01	8.48E-01	-1.46E-02	0.00E+00
-1.60E+00	7.57E+01	5.58E-01	-1.34E-02	0.00E+00
-1.58E+00	7.60E+01	1.02E+00	-9.77E-03	0.00E+00
-1.56E+00	7.58E+01	7.56E-01	-7.32E-03	0.00E+00
-1.54E+00	7.59E+01	6.03E-01	-1.10E-02	0.00E+00
-1.52E+00	7.58E+01	5.73E-01	-2.69E-02	0.00E+00
-1.50E+00	7.59E+01	6.34E-01	-1.95E-02	0.00E+00
-1.48E+00	7.60E+01	7.72E-01	-9.77E-03	0.00E+00
-1.46E+00	7.58E+01	5.42E-01	-9.77E-03	0.00E+00
-1.44E+00	7.59E+01	5.73E-01	-2.44E-02	0.00E+00
-1.42E+00	7.59E+01	7.87E-01	-2.93E-02	0.00E+00
-1.40E+00	7.58E+01	8.18E-01	-1.95E-02	0.00E+00
-1.38E+00	7.58E+01	7.41E-01	-1.22E-02	0.00E+00
-1.36E+00	7.58E+01	5.12E-01	-3.30E-02	0.00E+00
-1.34E+00	7.59E+01	6.19E-01	-1.34E-02	0.00E+00
-1.32E+00	7.60E+01	7.72E-01	-2.81E-02	0.00E+00
-1.30E+00	7.57E+01	8.79E-01	-3.66E-03	0.00E+00
-1.28E+00	7.58E+01	5.88E-01	-1.46E-02	0.00E+00
-1.26E+00	7.59E+01	9.09E-01	-1.46E-02	0.00E+00
-1.24E+00	7.58E+01	5.42E-01	-2.08E-02	0.00E+00
-1.22E+00	7.60E+01	7.26E-01	-2.08E-02	0.00E+00
-1.20E+00	7.59E+01	8.18E-01	-1.46E-02	0.00E+00
-1.18E+00	7.59E+01	5.73E-01	-1.59E-02	0.00E+00
-1.16E+00	7.59E+01	6.19E-01	2.44E-03	0.00E+00
-1.14E+00	7.58E+01	5.88E-01	-1.59E-02	0.00E+00
-1.12E+00	7.59E+01	5.58E-01	-2.32E-02	0.00E+00
-1.10E+00	7.59E+01	6.65E-01	-1.22E-02	0.00E+00
-1.08E+00	7.59E+01	6.19E-01	-2.93E-02	0.00E+00
-1.06E+00	7.59E+01	8.18E-01	-1.59E-02	0.00E+00
-1.04E+00	7.58E+01	5.27E-01	-1.71E-02	0.00E+00
-1.02E+00	7.58E+01	4.81E-01	-1.59E-02	0.00E+00
-1.00E+00	7.59E+01	6.65E-01	-2.20E-02	0.00E+00
-9.80E-01	7.61E+01	7.72E-01	-3.54E-02	0.00E+00
-9.60E-01	7.59E+01	8.18E-01	-7.32E-03	0.00E+00
-9.40E-01	7.60E+01	6.95E-01	-1.46E-02	0.00E+00
-9.20E-01	7.59E+01	6.19E-01	-2.44E-02	0.00E+00
-9.00E-01	7.59E+01	2.67E-01	-2.44E-02	0.00E+00
-8.80E-01	7.59E+01	6.34E-01	-3.91E-02	0.00E+00
-8.60E-01	7.59E+01	6.65E-01	-1.71E-02	0.00E+00
-8.40E-01	7.58E+01	6.95E-01	-9.77E-03	0.00E+00

-8.20E-01	7.58E+01	5.42E-01	-7.32E-03	0.00E+00
-8.00E-01	7.60E+01	4.51E-01	-1.22E-02	0.00E+00
-7.80E-01	7.59E+01	7.56E-01	-1.95E-02	0.00E+00
-7.60E-01	7.60E+01	7.10E-01	-1.95E-02	0.00E+00
-7.40E-01	7.59E+01	6.95E-01	-4.88E-03	0.00E+00
-7.20E-01	7.55E+01	9.09E-01	-1.83E-02	0.00E+00
-7.00E-01	7.55E+01	5.58E-01	-2.44E-03	0.00E+00
-6.80E-01	7.59E+01	6.03E-01	-2.20E-02	0.00E+00
-6.60E-01	7.59E+01	9.86E-01	-1.95E-02	0.00E+00
-6.40E-01	7.57E+01	7.56E-01	-2.20E-02	0.00E+00
-6.20E-01	7.59E+01	5.88E-01	-4.88E-03	0.00E+00
-6.00E-01	7.59E+01	5.42E-01	-1.34E-02	0.00E+00
-5.80E-01	7.60E+01	6.34E-01	-1.71E-02	0.00E+00
-5.60E-01	7.58E+01	6.95E-01	-1.34E-02	0.00E+00
-5.40E-01	7.58E+01	6.03E-01	-9.77E-03	0.00E+00
-5.20E-01	7.59E+01	6.34E-01	-9.77E-03	0.00E+00
-5.00E-01	7.59E+01	5.42E-01	-2.44E-02	0.00E+00
-4.80E-01	7.60E+01	7.56E-01	-2.56E-02	0.00E+00
-4.60E-01	7.59E+01	7.26E-01	7.32E-03	0.00E+00
-4.40E-01	7.54E+01	6.34E-01	-9.77E-03	0.00E+00
-4.20E-01	7.52E+01	7.56E-01	-6.10E-03	0.00E+00
-4.00E-01	7.54E+01	5.42E-01	-4.88E-03	0.00E+00
-3.80E-01	7.53E+01	6.49E-01	-3.17E-02	0.00E+00
-3.60E-01	7.53E+01	5.73E-01	-2.20E-02	0.00E+00
-3.40E-01	7.55E+01	7.26E-01	-2.93E-02	0.00E+00
-3.20E-01	7.53E+01	6.49E-01	0.00E+00	0.00E+00
-3.00E-01	7.52E+01	6.03E-01	-1.46E-02	0.00E+00
-2.80E-01	7.53E+01	5.42E-01	-2.32E-02	0.00E+00
-2.60E-01	7.53E+01	5.88E-01	-2.69E-02	0.00E+00
-2.40E-01	7.53E+01	7.26E-01	-2.20E-02	0.00E+00
-2.20E-01	7.54E+01	7.26E-01	-2.93E-02	0.00E+00
-2.00E-01	7.53E+01	6.34E-01	-1.34E-02	0.00E+00
-1.80E-01	7.52E+01	5.73E-01	-9.77E-03	0.00E+00
-1.60E-01	7.52E+01	6.80E-01	-2.93E-02	0.00E+00
-1.40E-01	7.47E+01	7.56E-01	-9.77E-03	0.00E+00
-1.20E-01	7.47E+01	6.65E-01	-9.77E-03	0.00E+00
-1.00E-01	7.46E+01	6.19E-01	-2.44E-03	0.00E+00
-8.00E-02	7.47E+01	5.12E-01	-2.20E-02	0.00E+00
-6.00E-02	7.48E+01	5.73E-01	-3.54E-02	0.00E+00
-4.00E-02	7.48E+01	6.03E-01	-9.77E-03	0.00E+00
-2.00E-02	7.42E+01	8.18E-01	-7.32E-03	0.00E+00
0.00E+00	7.40E+01	5.58E-01	-7.32E-03	0.00E+00
2.00E-02	7.41E+01	5.42E-01	-2.44E-02	0.00E+00
4.00E-02	7.41E+01	8.94E-01	-1.46E-02	0.00E+00
6.00E-02	7.37E+01	5.88E-01	-1.83E-02	0.00E+00
8.00E-02	7.35E+01	6.95E-01	-2.44E-03	0.00E+00
1.00E-01	7.34E+01	5.42E-01	-2.20E-02	0.00E+00

1.20E-01	7.33E+01	7.10E-01	-3.54E-02	0.00E+00
1.40E-01	7.29E+01	5.12E-01	-3.91E-02	0.00E+00
1.60E-01	7.30E+01	7.56E-01	-2.44E-02	0.00E+00
1.80E-01	7.26E+01	5.58E-01	-3.66E-03	0.00E+00
2.00E-01	7.25E+01	6.03E-01	-3.17E-02	0.00E+00
2.20E-01	7.24E+01	6.19E-01	-1.46E-02	0.00E+00
2.40E-01	7.24E+01	7.26E-01	-2.81E-02	0.00E+00
2.60E-01	7.20E+01	7.56E-01	-4.88E-03	0.00E+00
2.80E-01	7.18E+01	7.72E-01	-6.10E-03	0.00E+00
3.00E-01	7.17E+01	6.95E-01	-7.32E-03	0.00E+00
3.20E-01	7.14E+01	6.19E-01	-1.22E-02	0.00E+00
3.40E-01	7.15E+01	6.34E-01	-2.56E-02	0.00E+00
3.60E-01	7.12E+01	7.56E-01	0.00E+00	0.00E+00
3.80E-01	7.11E+01	6.65E-01	-6.10E-03	0.00E+00
4.00E-01	7.11E+01	6.95E-01	-9.77E-03	0.00E+00
4.20E-01	7.08E+01	6.34E-01	-2.81E-02	0.00E+00
4.40E-01	7.06E+01	6.34E-01	-1.71E-02	0.00E+00
4.60E-01	7.06E+01	9.25E-01	-1.46E-02	0.00E+00
4.80E-01	7.02E+01	6.65E-01	-1.22E-02	0.00E+00
5.00E-01	6.98E+01	4.20E-01	-2.81E-02	0.00E+00
5.20E-01	7.00E+01	7.87E-01	-2.20E-02	0.00E+00
5.40E-01	6.98E+01	7.26E-01	-1.95E-02	0.00E+00
5.60E-01	6.92E+01	7.56E-01	-1.22E-03	0.00E+00
5.80E-01	6.92E+01	4.51E-01	-2.56E-02	0.00E+00
6.00E-01	6.90E+01	3.28E-01	-2.56E-02	0.00E+00
6.20E-01	6.87E+01	5.42E-01	-2.20E-02	0.00E+00
6.40E-01	6.84E+01	8.63E-01	4.88E-03	0.00E+00
6.60E-01	6.82E+01	6.34E-01	-4.88E-03	0.00E+00
6.80E-01	6.81E+01	5.42E-01	-4.15E-02	0.00E+00
7.00E-01	6.78E+01	5.58E-01	-2.44E-02	0.00E+00
7.20E-01	6.78E+01	6.03E-01	-1.71E-02	0.00E+00
7.40E-01	6.77E+01	9.40E-01	-7.32E-03	0.00E+00
7.60E-01	6.72E+01	5.88E-01	-3.66E-03	0.00E+00
7.80E-01	6.72E+01	6.95E-01	-1.46E-02	0.00E+00
8.00E-01	6.73E+01	6.03E-01	-2.44E-02	0.00E+00
8.20E-01	6.67E+01	8.18E-01	-1.22E-02	0.00E+00
8.40E-01	6.65E+01	3.59E-01	-7.32E-03	0.00E+00
8.60E-01	6.65E+01	6.19E-01	3.66E-03	0.00E+00
8.80E-01	6.61E+01	2.06E-01	-1.71E-02	0.00E+00
9.00E-01	6.61E+01	6.03E-01	-2.69E-02	0.00E+00
9.20E-01	6.61E+01	7.56E-01	-7.32E-03	0.00E+00
9.40E-01	6.55E+01	7.41E-01	-2.44E-02	0.00E+00
9.60E-01	6.54E+01	6.34E-01	-4.88E-03	0.00E+00
9.80E-01	6.55E+01	5.12E-01	-4.88E-03	0.00E+00
1.00E+00	6.52E+01	7.87E-01	-1.46E-02	0.00E+00
1.02E+00	6.48E+01	6.80E-01	-1.95E-02	0.00E+00
1.04E+00	6.49E+01	5.42E-01	-6.10E-03	0.00E+00

1.06E+00	6.45E+01	6.65E-01	-9.77E-03	0.00E+00
1.08E+00	6.43E+01	7.41E-01	-2.81E-02	0.00E+00
1.10E+00	6.44E+01	6.34E-01	-1.95E-02	0.00E+00
1.12E+00	6.39E+01	8.48E-01	-1.22E-02	0.00E+00
1.14E+00	6.36E+01	3.89E-01	4.88E-03	0.00E+00
1.16E+00	6.38E+01	6.03E-01	-2.56E-02	0.00E+00
1.18E+00	6.32E+01	6.80E-01	-2.08E-02	0.00E+00
1.20E+00	6.31E+01	7.72E-01	-9.77E-03	0.00E+00
1.22E+00	6.29E+01	6.03E-01	-9.77E-03	0.00E+00
1.24E+00	6.26E+01	5.58E-01	-2.32E-02	0.00E+00
1.26E+00	6.25E+01	6.65E-01	-4.39E-02	0.00E+00
1.28E+00	6.25E+01	6.95E-01	-7.32E-03	0.00E+00
1.30E+00	6.19E+01	7.26E-01	1.22E-03	0.00E+00
1.32E+00	6.21E+01	5.42E-01	-2.93E-02	0.00E+00
1.34E+00	6.19E+01	5.12E-01	-1.59E-02	0.00E+00
1.36E+00	6.13E+01	5.58E-01	-2.44E-02	0.00E+00
1.38E+00	6.13E+01	7.56E-01	-2.44E-02	0.00E+00
1.40E+00	6.13E+01	8.48E-01	-4.88E-03	0.00E+00
1.42E+00	6.08E+01	6.65E-01	1.59E-02	0.00E+00
1.44E+00	6.08E+01	6.49E-01	-1.10E-02	0.00E+00
1.46E+00	6.08E+01	7.87E-01	-2.69E-02	0.00E+00
1.48E+00	6.02E+01	6.95E-01	-4.88E-03	0.00E+00
1.50E+00	6.02E+01	5.73E-01	6.10E-03	0.00E+00
1.52E+00	6.00E+01	6.34E-01	-1.71E-02	0.00E+00
1.54E+00	5.97E+01	6.65E-01	-2.44E-02	0.00E+00
1.56E+00	5.95E+01	6.65E-01	-1.95E-02	0.00E+00
1.58E+00	5.93E+01	4.51E-01	-1.22E-02	0.00E+00
1.60E+00	5.90E+01	6.65E-01	-1.71E-02	0.00E+00
1.62E+00	5.92E+01	6.65E-01	-2.20E-02	0.00E+00
1.64E+00	5.88E+01	7.87E-01	-1.10E-02	0.00E+00
1.66E+00	5.84E+01	6.65E-01	-4.88E-03	0.00E+00
1.68E+00	5.84E+01	6.03E-01	-2.20E-02	0.00E+00
1.70E+00	5.81E+01	6.49E-01	2.44E-03	0.00E+00
1.72E+00	5.80E+01	7.87E-01	-1.22E-02	0.00E+00
1.74E+00	5.79E+01	7.72E-01	-9.77E-03	0.00E+00
1.76E+00	5.73E+01	7.87E-01	-8.54E-03	0.00E+00
1.78E+00	5.72E+01	6.65E-01	1.95E-02	0.00E+00
1.80E+00	5.72E+01	5.73E-01	-3.30E-02	0.00E+00
1.82E+00	5.67E+01	7.26E-01	-2.20E-02	0.00E+00
1.84E+00	5.68E+01	6.34E-01	-7.32E-03	0.00E+00
1.86E+00	5.63E+01	3.74E-01	-3.66E-03	0.00E+00
1.88E+00	5.61E+01	5.27E-01	-1.71E-02	0.00E+00
1.90E+00	5.62E+01	3.28E-01	-2.69E-02	0.00E+00
1.92E+00	5.56E+01	6.65E-01	-1.95E-02	0.00E+00
1.94E+00	5.56E+01	6.80E-01	-9.77E-03	0.00E+00
1.96E+00	5.52E+01	8.63E-01	-2.44E-03	0.00E+00
1.98E+00	5.49E+01	2.82E-01	-4.88E-02	0.00E+00

2.00E+00	5.50E+01	6.03E-01	-1.46E-02	0.00E+00
2.02E+00	5.45E+01	9.09E-01	-2.44E-02	0.00E+00
2.04E+00	5.44E+01	9.09E-01	-3.91E-02	0.00E+00
2.06E+00	5.43E+01	5.73E-01	-1.95E-02	0.00E+00
2.08E+00	5.37E+01	5.58E-01	-1.22E-02	0.00E+00
2.10E+00	5.37E+01	6.19E-01	-4.39E-02	0.00E+00
2.12E+00	5.36E+01	6.95E-01	-2.56E-02	0.00E+00
2.14E+00	5.32E+01	5.73E-01	-9.77E-03	0.00E+00
2.16E+00	5.31E+01	5.73E-01	-6.10E-03	0.00E+00
2.18E+00	5.26E+01	5.42E-01	-1.34E-02	0.00E+00
2.20E+00	5.24E+01	3.59E-01	-1.71E-02	0.00E+00
2.22E+00	5.24E+01	6.65E-01	-3.17E-02	0.00E+00
2.24E+00	5.20E+01	7.56E-01	-2.20E-02	0.00E+00
2.26E+00	5.20E+01	5.73E-01	-2.81E-02	0.00E+00
2.28E+00	5.15E+01	4.05E-01	-1.10E-02	0.00E+00
2.30E+00	5.15E+01	6.03E-01	-2.56E-02	0.00E+00
2.32E+00	5.16E+01	6.65E-01	-3.66E-03	0.00E+00
2.34E+00	5.09E+01	7.26E-01	-2.44E-02	0.00E+00
2.36E+00	5.09E+01	8.18E-01	9.77E-03	0.00E+00
2.38E+00	5.07E+01	6.03E-01	-1.10E-02	0.00E+00
2.40E+00	5.03E+01	4.35E-01	-1.22E-02	0.00E+00
2.42E+00	5.03E+01	6.65E-01	-1.95E-02	0.00E+00
2.44E+00	5.01E+01	5.73E-01	-5.13E-02	0.00E+00
2.46E+00	4.97E+01	8.18E-01	-6.10E-03	0.00E+00
2.48E+00	4.97E+01	6.03E-01	-1.22E-02	0.00E+00
2.50E+00	4.91E+01	4.66E-01	-2.32E-02	0.00E+00
2.52E+00	4.91E+01	4.81E-01	-2.69E-02	0.00E+00
2.54E+00	4.89E+01	6.95E-01	-1.95E-02	0.00E+00
2.56E+00	4.86E+01	8.94E-01	-8.54E-03	0.00E+00
2.58E+00	4.85E+01	6.65E-01	-1.71E-02	0.00E+00
2.60E+00	4.81E+01	4.81E-01	-7.32E-03	0.00E+00
2.62E+00	4.79E+01	3.59E-01	-1.95E-02	0.00E+00
2.64E+00	4.81E+01	7.26E-01	-1.95E-02	0.00E+00
2.66E+00	4.74E+01	7.56E-01	-1.46E-02	0.00E+00
2.68E+00	4.75E+01	6.49E-01	-2.44E-02	0.00E+00
2.70E+00	4.71E+01	7.26E-01	-2.44E-03	0.00E+00
2.72E+00	4.69E+01	4.66E-01	-2.08E-02	0.00E+00
2.74E+00	4.68E+01	5.73E-01	-2.44E-03	0.00E+00
2.76E+00	4.64E+01	6.03E-01	-2.69E-02	0.00E+00
2.78E+00	4.63E+01	5.27E-01	-7.32E-03	0.00E+00
2.80E+00	4.59E+01	4.35E-01	-2.44E-02	0.00E+00
2.82E+00	4.57E+01	5.42E-01	-1.22E-02	0.00E+00
2.84E+00	4.56E+01	6.34E-01	-2.56E-02	0.00E+00
2.86E+00	4.53E+01	6.34E-01	-3.17E-02	0.00E+00
2.88E+00	4.51E+01	6.65E-01	-3.66E-03	0.00E+00
2.90E+00	4.46E+01	6.65E-01	-1.46E-02	0.00E+00
2.92E+00	4.44E+01	4.20E-01	-2.69E-02	0.00E+00

2.94E+00	4.43E+01	4.05E-01	-2.93E-02	0.00E+00
2.96E+00	4.40E+01	7.41E-01	-9.77E-03	0.00E+00
2.98E+00	4.37E+01	6.34E-01	-1.22E-02	0.00E+00
3.00E+00	4.34E+01	5.12E-01	-1.10E-02	0.00E+00
3.02E+00	4.32E+01	3.89E-01	-2.20E-02	0.00E+00
3.04E+00	4.29E+01	6.80E-01	-2.20E-02	0.00E+00
3.06E+00	4.28E+01	6.03E-01	-2.44E-02	0.00E+00
3.08E+00	4.25E+01	7.10E-01	-7.32E-03	0.00E+00
3.10E+00	4.21E+01	3.13E-01	-1.22E-02	0.00E+00
3.12E+00	4.20E+01	6.19E-01	-2.69E-02	0.00E+00
3.14E+00	4.18E+01	3.89E-01	-2.56E-02	0.00E+00
3.16E+00	4.17E+01	6.95E-01	-1.95E-02	0.00E+00
3.18E+00	4.12E+01	7.56E-01	9.77E-03	0.00E+00
3.20E+00	4.10E+01	4.96E-01	-1.22E-02	0.00E+00
3.22E+00	4.09E+01	4.81E-01	0.00E+00	0.00E+00
3.24E+00	4.06E+01	5.73E-01	-2.69E-02	0.00E+00
3.26E+00	4.06E+01	8.48E-01	-2.93E-02	0.00E+00
3.28E+00	4.01E+01	8.18E-01	-2.44E-03	0.00E+00
3.30E+00	3.98E+01	5.12E-01	-1.71E-02	0.00E+00
3.32E+00	3.96E+01	7.26E-01	-1.59E-02	0.00E+00
3.34E+00	3.97E+01	6.49E-01	-1.83E-02	0.00E+00
3.36E+00	3.93E+01	7.56E-01	-2.20E-02	0.00E+00
3.38E+00	3.89E+01	5.88E-01	-1.46E-02	0.00E+00
3.40E+00	3.88E+01	6.49E-01	-7.32E-03	0.00E+00
3.42E+00	3.84E+01	4.20E-01	-3.05E-02	0.00E+00
3.44E+00	3.84E+01	7.87E-01	-2.20E-02	0.00E+00
3.46E+00	3.80E+01	6.65E-01	-1.22E-02	0.00E+00
3.48E+00	3.76E+01	9.70E-01	-1.46E-02	0.00E+00
3.50E+00	3.74E+01	7.26E-01	-1.46E-02	0.00E+00
3.52E+00	3.69E+01	6.80E-01	-1.22E-02	0.00E+00
3.54E+00	3.70E+01	4.05E-01	-2.44E-02	0.00E+00
3.56E+00	3.64E+01	6.34E-01	-3.66E-02	0.00E+00
3.58E+00	3.63E+01	7.56E-01	-1.71E-02	0.00E+00
3.60E+00	3.60E+01	5.73E-01	-3.05E-02	0.00E+00
3.62E+00	3.58E+01	5.42E-01	-1.10E-02	0.00E+00
3.64E+00	3.55E+01	5.12E-01	-1.95E-02	0.00E+00
3.66E+00	3.52E+01	6.95E-01	-1.71E-02	0.00E+00
3.68E+00	3.52E+01	6.65E-01	-3.66E-03	0.00E+00
3.70E+00	3.46E+01	4.96E-01	-7.32E-03	0.00E+00
3.72E+00	3.45E+01	6.34E-01	-2.93E-02	0.00E+00
3.74E+00	3.40E+01	5.42E-01	-4.88E-03	0.00E+00
3.76E+00	3.40E+01	6.34E-01	-2.93E-02	0.00E+00
3.78E+00	3.35E+01	8.48E-01	-1.10E-02	0.00E+00
3.80E+00	3.34E+01	7.56E-01	-1.10E-02	0.00E+00
3.82E+00	3.27E+01	5.88E-01	-1.10E-02	0.00E+00
3.84E+00	3.29E+01	5.73E-01	-2.69E-02	0.00E+00
3.86E+00	3.24E+01	7.87E-01	-2.20E-02	0.00E+00

3.88E+00	3.24E+01	7.26E-01	-2.44E-02	0.00E+00
3.90E+00	3.18E+01	7.56E-01	-1.46E-02	0.00E+00
3.92E+00	3.16E+01	5.73E-01	-9.77E-03	0.00E+00
3.94E+00	3.13E+01	4.96E-01	-3.91E-02	0.00E+00
3.96E+00	3.11E+01	3.59E-01	-1.46E-02	0.00E+00
3.98E+00	3.06E+01	5.73E-01	-3.66E-02	0.00E+00
4.00E+00	3.07E+01	7.26E-01	-1.10E-02	0.00E+00
4.02E+00	3.00E+01	5.12E-01	-1.22E-02	0.00E+00
4.04E+00	3.00E+01	5.88E-01	-4.15E-02	0.00E+00
4.06E+00	2.95E+01	5.73E-01	-2.69E-02	0.00E+00
4.08E+00	2.95E+01	8.18E-01	-2.93E-02	0.00E+00
4.10E+00	2.91E+01	8.48E-01	-8.54E-03	0.00E+00
4.12E+00	2.88E+01	6.34E-01	-1.46E-02	0.00E+00
4.14E+00	2.85E+01	7.10E-01	-9.77E-03	0.00E+00
4.16E+00	2.82E+01	5.27E-01	-2.93E-02	0.00E+00
4.18E+00	2.80E+01	6.03E-01	-2.93E-02	0.00E+00
4.20E+00	2.79E+01	6.95E-01	-1.71E-02	0.00E+00
4.22E+00	2.72E+01	7.26E-01	-2.56E-02	0.00E+00
4.24E+00	2.70E+01	7.26E-01	-1.22E-03	0.00E+00
4.26E+00	2.67E+01	5.12E-01	-2.69E-02	0.00E+00
4.28E+00	2.63E+01	4.81E-01	-2.69E-02	0.00E+00
4.30E+00	2.60E+01	4.96E-01	-1.71E-02	0.00E+00
4.32E+00	2.58E+01	8.48E-01	-2.32E-02	0.00E+00
4.34E+00	2.53E+01	9.86E-01	0.00E+00	0.00E+00
4.36E+00	2.51E+01	4.81E-01	-2.69E-02	0.00E+00
4.38E+00	2.49E+01	7.56E-01	-1.46E-02	0.00E+00
4.40E+00	2.47E+01	6.03E-01	-2.56E-02	0.00E+00
4.42E+00	2.43E+01	7.26E-01	-1.46E-02	0.00E+00
4.44E+00	2.41E+01	1.00E+00	-2.44E-03	0.00E+00
4.46E+00	2.36E+01	7.26E-01	-1.22E-02	0.00E+00
4.48E+00	2.36E+01	6.95E-01	-1.22E-02	0.00E+00
4.50E+00	2.32E+01	5.58E-01	-1.71E-02	0.00E+00
4.52E+00	2.30E+01	5.58E-01	-3.66E-02	0.00E+00
4.54E+00	2.26E+01	8.18E-01	-1.71E-02	0.00E+00
4.56E+00	2.25E+01	6.03E-01	-1.22E-02	0.00E+00
4.58E+00	2.21E+01	6.95E-01	-1.10E-02	0.00E+00
4.60E+00	2.18E+01	6.95E-01	-1.95E-02	0.00E+00
4.62E+00	2.17E+01	7.56E-01	-2.44E-02	0.00E+00
4.64E+00	2.14E+01	6.34E-01	-3.66E-02	0.00E+00
4.66E+00	2.11E+01	7.72E-01	-1.71E-02	0.00E+00
4.68E+00	2.06E+01	5.58E-01	0.00E+00	0.00E+00
4.70E+00	2.04E+01	5.42E-01	-1.71E-02	0.00E+00
4.72E+00	2.01E+01	6.65E-01	-1.95E-02	0.00E+00
4.74E+00	2.00E+01	6.03E-01	-2.44E-02	0.00E+00
4.76E+00	1.96E+01	5.73E-01	-2.69E-02	0.00E+00
4.78E+00	1.89E+01	6.34E-01	-2.44E-03	0.00E+00
4.80E+00	1.89E+01	6.65E-01	-2.44E-03	0.00E+00

4.82E+00	1.84E+01	5.42E-01	-1.95E-02	0.00E+00
4.84E+00	1.83E+01	5.12E-01	-3.78E-02	0.00E+00
4.86E+00	1.80E+01	4.20E-01	-1.71E-02	0.00E+00
4.88E+00	1.79E+01	6.65E-01	-1.71E-02	0.00E+00
4.90E+00	1.75E+01	7.87E-01	-1.71E-02	0.00E+00
4.92E+00	1.71E+01	3.13E-01	-1.59E-02	0.00E+00
4.94E+00	1.70E+01	5.27E-01	-3.42E-02	0.00E+00
4.96E+00	1.67E+01	7.26E-01	-2.20E-02	0.00E+00
4.98E+00	1.64E+01	5.88E-01	-2.44E-02	0.00E+00
5.00E+00	1.62E+01	6.80E-01	1.22E-03	0.00E+00
5.02E+00	1.58E+01	2.67E-01	-1.22E-02	0.00E+00
5.04E+00	1.55E+01	6.03E-01	-2.93E-02	0.00E+00
5.06E+00	1.53E+01	7.10E-01	-2.44E-02	0.00E+00
5.08E+00	1.49E+01	7.10E-01	-1.34E-02	0.00E+00
5.10E+00	1.46E+01	6.03E-01	-3.17E-02	0.00E+00
5.12E+00	1.42E+01	5.12E-01	-2.20E-02	0.00E+00
5.14E+00	1.43E+01	2.98E-01	-3.42E-02	0.00E+00
5.16E+00	1.38E+01	7.56E-01	-1.71E-02	0.00E+00
5.18E+00	1.37E+01	7.26E-01	-1.34E-02	0.00E+00
5.20E+00	1.32E+01	5.73E-01	-9.77E-03	0.00E+00
5.22E+00	1.32E+01	5.73E-01	2.44E-03	0.00E+00
5.24E+00	1.29E+01	3.59E-01	-2.69E-02	0.00E+00
5.26E+00	1.27E+01	8.18E-01	-2.44E-02	0.00E+00
5.28E+00	1.23E+01	6.03E-01	-2.20E-02	0.00E+00
5.30E+00	1.20E+01	6.49E-01	-1.34E-02	0.00E+00
5.32E+00	1.17E+01	6.65E-01	-7.32E-03	0.00E+00
5.34E+00	1.14E+01	5.73E-01	-2.69E-02	0.00E+00
5.36E+00	1.14E+01	6.65E-01	-2.20E-02	0.00E+00
5.38E+00	1.09E+01	8.18E-01	-2.20E-02	0.00E+00
5.40E+00	1.08E+01	5.73E-01	2.44E-03	0.00E+00
5.42E+00	1.04E+01	5.73E-01	-2.20E-02	0.00E+00
5.44E+00	1.03E+01	3.59E-01	-2.44E-02	0.00E+00
5.46E+00	9.72E+00	4.35E-01	-2.20E-02	0.00E+00
5.48E+00	9.83E+00	6.95E-01	-2.44E-02	0.00E+00
5.50E+00	9.12E+00	4.96E-01	-7.32E-03	0.00E+00
5.52E+00	9.06E+00	4.51E-01	-1.95E-02	0.00E+00
5.54E+00	9.19E+00	5.12E-01	-7.32E-03	0.00E+00
5.56E+00	9.19E+00	5.42E-01	-2.93E-02	0.00E+00
5.58E+00	9.12E+00	7.72E-01	-2.20E-02	0.00E+00
5.60E+00	9.03E+00	2.67E-01	-4.88E-03	0.00E+00
5.62E+00	9.08E+00	5.73E-01	0.00E+00	0.00E+00
5.64E+00	8.99E+00	7.26E-01	-2.08E-02	0.00E+00
5.66E+00	9.21E+00	6.03E-01	-2.69E-02	0.00E+00
5.68E+00	9.66E+00	7.87E-01	-2.20E-02	0.00E+00
5.70E+00	9.61E+00	6.49E-01	-1.46E-02	0.00E+00
5.72E+00	1.02E+01	4.51E-01	-2.44E-03	0.00E+00
5.74E+00	1.02E+01	4.51E-01	-2.20E-02	0.00E+00

5.76E+00	1.07E+01	5.42E-01	-2.20E-02	0.00E+00
5.78E+00	1.10E+01	6.34E-01	4.88E-03	0.00E+00
5.80E+00	1.17E+01	6.95E-01	0.00E+00	0.00E+00
5.82E+00	1.20E+01	3.13E-01	-1.71E-02	0.00E+00
5.84E+00	1.23E+01	6.65E-01	-3.66E-03	0.00E+00
5.86E+00	1.26E+01	6.95E-01	-2.44E-02	0.00E+00
5.88E+00	1.29E+01	7.26E-01	-2.20E-02	0.00E+00
5.90E+00	1.30E+01	8.48E-01	4.88E-03	0.00E+00
5.92E+00	1.31E+01	7.56E-01	-9.77E-03	0.00E+00
5.94E+00	1.31E+01	6.49E-01	-3.30E-02	0.00E+00
5.96E+00	1.32E+01	5.42E-01	-7.32E-03	0.00E+00
5.98E+00	1.32E+01	5.73E-01	-2.44E-02	0.00E+00
6.00E+00	1.33E+01	6.65E-01	-1.95E-02	0.00E+00
6.02E+00	1.28E+01	6.03E-01	-1.71E-02	0.00E+00
6.04E+00	1.32E+01	6.19E-01	-1.10E-02	0.00E+00
6.06E+00	1.26E+01	4.81E-01	-2.20E-02	0.00E+00
6.08E+00	1.26E+01	6.65E-01	-2.20E-02	0.00E+00
6.10E+00	1.24E+01	7.56E-01	-3.17E-02	0.00E+00
6.12E+00	1.22E+01	6.19E-01	-1.95E-02	0.00E+00
6.14E+00	1.19E+01	5.73E-01	-8.54E-03	0.00E+00
6.16E+00	1.20E+01	5.42E-01	-2.69E-02	0.00E+00
6.18E+00	1.20E+01	5.88E-01	-1.46E-02	0.00E+00
6.20E+00	1.22E+01	4.81E-01	-2.93E-02	0.00E+00
6.22E+00	1.20E+01	4.81E-01	-2.93E-02	0.00E+00
6.24E+00	1.20E+01	5.73E-01	-4.88E-03	0.00E+00
6.26E+00	1.22E+01	6.34E-01	-9.77E-03	0.00E+00
6.28E+00	1.22E+01	4.96E-01	-1.34E-02	0.00E+00
6.30E+00	1.22E+01	5.73E-01	-2.81E-02	0.00E+00
6.32E+00	1.21E+01	1.03E+00	-8.54E-03	0.00E+00
6.34E+00	1.20E+01	6.19E-01	-1.22E-02	0.00E+00
6.36E+00	1.21E+01	6.03E-01	-2.20E-02	0.00E+00
6.38E+00	1.20E+01	2.67E-01	-1.83E-02	0.00E+00
6.40E+00	1.22E+01	7.26E-01	-3.78E-02	0.00E+00
6.42E+00	1.22E+01	6.03E-01	-7.32E-03	0.00E+00
6.44E+00	1.21E+01	6.34E-01	-1.46E-02	0.00E+00
6.46E+00	1.21E+01	5.73E-01	-2.20E-02	0.00E+00
6.48E+00	1.20E+01	3.59E-01	-2.69E-02	0.00E+00
6.50E+00	1.21E+01	7.56E-01	-3.30E-02	0.00E+00
6.52E+00	1.22E+01	2.98E-01	-1.95E-02	0.00E+00
6.54E+00	1.20E+01	6.95E-01	-2.44E-03	0.00E+00
6.56E+00	1.20E+01	4.81E-01	-3.30E-02	0.00E+00
6.58E+00	1.21E+01	4.81E-01	-2.93E-02	0.00E+00
6.60E+00	1.21E+01	6.80E-01	-2.93E-02	0.00E+00
6.62E+00	1.21E+01	6.34E-01	-1.46E-02	0.00E+00
6.64E+00	1.20E+01	4.81E-01	-1.46E-02	0.00E+00
6.66E+00	1.21E+01	5.42E-01	-2.93E-02	0.00E+00
6.68E+00	1.21E+01	6.65E-01	-2.44E-02	0.00E+00

6.70E+00	1.21E+01	7.72E-01	1.22E-03	0.00E+00
6.72E+00	1.19E+01	6.34E-01	-7.32E-03	0.00E+00
6.74E+00	1.21E+01	6.95E-01	-1.46E-02	0.00E+00
6.76E+00	1.21E+01	6.03E-01	-4.15E-02	0.00E+00
6.78E+00	1.22E+01	6.95E-01	-2.44E-02	0.00E+00
6.80E+00	1.21E+01	9.86E-01	9.77E-03	0.00E+00
6.82E+00	1.20E+01	4.81E-01	-1.22E-02	0.00E+00
6.84E+00	1.21E+01	5.73E-01	-2.44E-02	0.00E+00
6.86E+00	1.21E+01	5.58E-01	-2.20E-02	0.00E+00
6.88E+00	1.20E+01	6.95E-01	0.00E+00	0.00E+00
6.90E+00	1.20E+01	6.95E-01	-1.22E-02	0.00E+00
6.92E+00	1.20E+01	5.42E-01	-8.54E-03	0.00E+00
6.94E+00	1.21E+01	6.34E-01	-2.20E-02	0.00E+00
6.96E+00	1.21E+01	7.26E-01	-1.83E-02	0.00E+00
6.98E+00	1.19E+01	4.81E-01	0.00E+00	0.00E+00
7.00E+00	1.20E+01	6.34E-01	-7.32E-03	0.00E+00
7.02E+00	1.19E+01	4.51E-01	-1.46E-02	0.00E+00
7.04E+00	1.21E+01	5.42E-01	-1.95E-02	0.00E+00
7.06E+00	1.21E+01	6.80E-01	-1.46E-02	0.00E+00
7.08E+00	1.19E+01	6.03E-01	-9.77E-03	0.00E+00
7.10E+00	1.21E+01	4.66E-01	-9.77E-03	0.00E+00
7.12E+00	1.19E+01	5.27E-01	-1.59E-02	0.00E+00
7.14E+00	1.21E+01	6.19E-01	-3.42E-02	0.00E+00
7.16E+00	1.21E+01	5.73E-01	-2.93E-02	0.00E+00
7.18E+00	1.21E+01	7.87E-01	-2.93E-02	0.00E+00
7.20E+00	1.20E+01	6.34E-01	-6.10E-03	0.00E+00
7.22E+00	1.20E+01	5.88E-01	-9.77E-03	0.00E+00
7.24E+00	1.22E+01	6.49E-01	-1.95E-02	0.00E+00
7.26E+00	1.21E+01	9.25E-01	-1.59E-02	0.00E+00
7.28E+00	1.21E+01	6.03E-01	-1.22E-02	0.00E+00
7.30E+00	1.20E+01	7.87E-01	-1.46E-02	0.00E+00
7.32E+00	1.20E+01	4.81E-01	-1.22E-02	0.00E+00
7.34E+00	1.20E+01	5.27E-01	-2.69E-02	0.00E+00
7.36E+00	1.22E+01	5.12E-01	-3.54E-02	0.00E+00
7.38E+00	1.20E+01	8.79E-01	6.10E-03	0.00E+00
7.40E+00	1.20E+01	4.35E-01	-1.95E-02	0.00E+00
7.42E+00	1.21E+01	5.12E-01	-1.59E-02	0.00E+00
7.44E+00	1.23E+01	6.03E-01	-3.42E-02	0.00E+00
7.46E+00	1.24E+01	7.72E-01	-1.34E-02	0.00E+00
7.48E+00	1.20E+01	5.58E-01	0.00E+00	0.00E+00
7.50E+00	1.19E+01	6.03E-01	-7.32E-03	0.00E+00
7.52E+00	1.20E+01	4.51E-01	-2.44E-02	0.00E+00
7.54E+00	1.22E+01	7.56E-01	-1.95E-02	0.00E+00
7.56E+00	1.19E+01	4.51E-01	-1.95E-02	0.00E+00
7.58E+00	1.14E+01	5.27E-01	-2.44E-02	0.00E+00
7.60E+00	1.09E+01	5.42E-01	-1.59E-02	0.00E+00
7.62E+00	1.13E+01	5.12E-01	-3.05E-02	0.00E+00

7.64E+00	1.13E+01	5.42E-01	-1.22E-02	0.00E+00
7.66E+00	1.06E+01	7.72E-01	-1.95E-02	0.00E+00
7.68E+00	1.03E+01	6.95E-01	-1.22E-02	0.00E+00
7.70E+00	1.06E+01	5.42E-01	-1.22E-02	0.00E+00
7.72E+00	1.04E+01	7.26E-01	-2.44E-02	0.00E+00
7.74E+00	1.01E+01	7.10E-01	-2.56E-02	0.00E+00
7.76E+00	1.01E+01	7.26E-01	-2.08E-02	0.00E+00
7.78E+00	9.99E+00	5.42E-01	-1.10E-02	0.00E+00
7.80E+00	9.65E+00	3.28E-01	-1.95E-02	0.00E+00
7.82E+00	9.49E+00	6.34E-01	-2.32E-02	0.00E+00
7.84E+00	9.71E+00	4.81E-01	-3.17E-02	0.00E+00
7.86E+00	9.67E+00	6.65E-01	-8.54E-03	0.00E+00
7.88E+00	9.04E+00	4.81E-01	-9.77E-03	0.00E+00
7.90E+00	9.19E+00	8.18E-01	-8.54E-03	0.00E+00
7.92E+00	9.07E+00	5.42E-01	-1.83E-02	0.00E+00
7.94E+00	9.54E+00	6.49E-01	-1.71E-02	0.00E+00
7.96E+00	9.69E+00	7.10E-01	-1.34E-02	0.00E+00
7.98E+00	9.30E+00	6.34E-01	-1.95E-02	0.00E+00
8.00E+00	9.60E+00	5.73E-01	-1.46E-02	0.00E+00
8.02E+00	9.89E+00	5.12E-01	-2.44E-02	0.00E+00
8.04E+00	9.84E+00	7.10E-01	-1.34E-02	0.00E+00
8.06E+00	1.05E+01	7.56E-01	-6.10E-03	0.00E+00
8.08E+00	1.02E+01	6.80E-01	-1.22E-02	0.00E+00
8.10E+00	1.09E+01	5.73E-01	-1.95E-02	0.00E+00
8.12E+00	1.13E+01	5.88E-01	-1.95E-02	0.00E+00
8.14E+00	1.21E+01	6.80E-01	-1.22E-02	0.00E+00
8.16E+00	1.21E+01	8.33E-01	-9.77E-03	0.00E+00
8.18E+00	1.19E+01	6.03E-01	-7.32E-03	0.00E+00
8.20E+00	1.26E+01	3.74E-01	-2.69E-02	0.00E+00
8.22E+00	1.26E+01	6.19E-01	-4.27E-02	0.00E+00
8.24E+00	1.27E+01	6.03E-01	-2.20E-02	0.00E+00
8.26E+00	1.30E+01	6.49E-01	-1.46E-02	0.00E+00
8.28E+00	1.31E+01	5.58E-01	1.22E-03	0.00E+00
8.30E+00	1.29E+01	5.88E-01	-1.46E-02	0.00E+00
8.32E+00	1.28E+01	4.81E-01	-1.46E-02	0.00E+00
8.34E+00	1.29E+01	6.03E-01	-3.30E-02	0.00E+00
8.36E+00	1.26E+01	6.65E-01	-1.22E-02	0.00E+00
8.38E+00	1.25E+01	6.80E-01	-4.88E-03	0.00E+00
8.40E+00	1.22E+01	6.49E-01	-1.10E-02	0.00E+00
8.42E+00	1.23E+01	5.12E-01	-1.22E-02	0.00E+00
8.44E+00	1.21E+01	6.03E-01	-3.42E-02	0.00E+00
8.46E+00	1.20E+01	7.10E-01	-1.10E-02	0.00E+00
8.48E+00	1.20E+01	7.10E-01	-1.95E-02	0.00E+00
8.50E+00	1.19E+01	7.26E-01	-2.44E-03	0.00E+00
8.52E+00	1.20E+01	4.66E-01	-3.05E-02	0.00E+00
8.54E+00	1.20E+01	6.34E-01	-2.93E-02	0.00E+00
8.56E+00	1.20E+01	7.26E-01	-2.20E-02	0.00E+00

8.58E+00	1.21E+01	8.18E-01	-9.77E-03	0.00E+00
8.60E+00	1.21E+01	3.13E-01	-2.44E-02	0.00E+00
8.62E+00	1.23E+01	5.73E-01	-1.95E-02	0.00E+00
8.64E+00	1.22E+01	5.12E-01	-2.69E-02	0.00E+00
8.66E+00	1.22E+01	8.48E-01	-4.15E-02	0.00E+00
8.68E+00	1.20E+01	6.03E-01	0.00E+00	0.00E+00
8.70E+00	1.20E+01	5.42E-01	-1.46E-02	0.00E+00
8.72E+00	1.20E+01	6.03E-01	-1.83E-02	0.00E+00
8.74E+00	1.20E+01	4.51E-01	-2.32E-02	0.00E+00
8.76E+00	1.21E+01	8.48E-01	-1.59E-02	0.00E+00
8.78E+00	1.20E+01	6.65E-01	-3.66E-03	0.00E+00
8.80E+00	1.20E+01	7.56E-01	-9.77E-03	0.00E+00
8.82E+00	1.20E+01	4.81E-01	1.22E-03	0.00E+00
8.84E+00	1.21E+01	6.03E-01	-3.05E-02	0.00E+00
8.86E+00	1.21E+01	6.95E-01	-1.22E-02	0.00E+00
8.88E+00	1.20E+01	5.42E-01	-2.44E-02	0.00E+00
8.90E+00	1.20E+01	7.26E-01	-9.77E-03	0.00E+00
8.92E+00	1.20E+01	4.51E-01	-2.93E-02	0.00E+00
8.94E+00	1.21E+01	6.34E-01	-2.69E-02	0.00E+00
8.96E+00	1.21E+01	7.10E-01	-4.15E-02	0.00E+00
8.98E+00	1.20E+01	6.65E-01	-7.32E-03	0.00E+00
9.00E+00	1.20E+01	4.35E-01	-2.93E-02	0.00E+00
9.02E+00	1.22E+01	6.34E-01	-3.78E-02	0.00E+00
9.04E+00	1.21E+01	8.18E-01	-1.71E-02	0.00E+00
9.06E+00	1.21E+01	6.80E-01	1.34E-02	0.00E+00
9.08E+00	1.19E+01	4.81E-01	-1.22E-02	0.00E+00
9.10E+00	1.21E+01	9.40E-01	-2.69E-02	0.00E+00
9.12E+00	1.21E+01	5.88E-01	-2.44E-02	0.00E+00
9.14E+00	1.21E+01	5.58E-01	-1.46E-02	0.00E+00
9.16E+00	1.20E+01	6.03E-01	-3.17E-02	0.00E+00
9.18E+00	1.21E+01	4.81E-01	-2.44E-02	0.00E+00
9.20E+00	1.21E+01	6.80E-01	-3.66E-02	0.00E+00
9.22E+00	1.20E+01	8.79E-01	-1.22E-02	0.00E+00
9.24E+00	1.20E+01	6.95E-01	-8.54E-03	0.00E+00
9.26E+00	1.20E+01	5.73E-01	-3.17E-02	0.00E+00
9.28E+00	1.21E+01	6.19E-01	-1.46E-02	0.00E+00
9.30E+00	1.20E+01	5.73E-01	-3.78E-02	0.00E+00
9.32E+00	1.22E+01	6.65E-01	-2.93E-02	0.00E+00
9.34E+00	1.20E+01	7.26E-01	-4.88E-03	0.00E+00
9.36E+00	1.20E+01	6.34E-01	-1.95E-02	0.00E+00
9.38E+00	1.20E+01	6.03E-01	-1.22E-02	0.00E+00
9.40E+00	1.21E+01	5.27E-01	-3.91E-02	0.00E+00
9.42E+00	1.21E+01	3.28E-01	-1.71E-02	0.00E+00
9.44E+00	1.21E+01	6.03E-01	-9.77E-03	0.00E+00
9.46E+00	1.20E+01	6.34E-01	-2.20E-02	0.00E+00
9.48E+00	1.19E+01	2.37E-01	-1.22E-02	0.00E+00
9.50E+00	1.22E+01	6.34E-01	-2.32E-02	0.00E+00

9.52E+00	1.19E+01	9.09E-01	-1.46E-02	0.00E+00
9.54E+00	1.21E+01	5.42E-01	-1.46E-02	0.00E+00
9.56E+00	1.21E+01	6.49E-01	-2.08E-02	0.00E+00
9.58E+00	1.20E+01	8.48E-01	-1.95E-02	0.00E+00
9.60E+00	1.21E+01	5.58E-01	-1.22E-02	0.00E+00
9.62E+00	1.22E+01	4.66E-01	-1.22E-02	0.00E+00
9.64E+00	1.19E+01	5.73E-01	-4.88E-03	0.00E+00
9.66E+00	1.20E+01	4.96E-01	-1.22E-02	0.00E+00
9.68E+00	1.21E+01	5.73E-01	-2.69E-02	0.00E+00
9.70E+00	1.23E+01	6.03E-01	-2.44E-02	0.00E+00
9.72E+00	1.21E+01	8.48E-01	-4.88E-03	0.00E+00
9.74E+00	1.23E+01	5.42E-01	-1.46E-02	0.00E+00
9.76E+00	1.21E+01	5.88E-01	-1.46E-02	0.00E+00
9.78E+00	1.20E+01	4.51E-01	-2.69E-02	0.00E+00
9.80E+00	1.19E+01	6.03E-01	-2.32E-02	0.00E+00
9.82E+00	1.21E+01	8.63E-01	-7.32E-03	0.00E+00
9.84E+00	1.17E+01	5.73E-01	-1.22E-02	0.00E+00
9.86E+00	1.19E+01	6.34E-01	-1.95E-02	0.00E+00
9.88E+00	1.14E+01	6.03E-01	-1.46E-02	0.00E+00
9.90E+00	1.09E+01	5.42E-01	-3.66E-02	0.00E+00
9.92E+00	1.12E+01	7.56E-01	-1.46E-02	0.00E+00
9.94E+00	1.14E+01	6.65E-01	-7.32E-03	0.00E+00
9.96E+00	1.06E+01	6.65E-01	-2.44E-03	0.00E+00
9.98E+00	1.03E+01	5.73E-01	-2.69E-02	0.00E+00
1.00E+01	1.07E+01	7.41E-01	2.44E-03	0.00E+00
1.00E+01	1.04E+01	7.56E-01	-1.71E-02	0.00E+00
1.00E+01	1.01E+01	7.41E-01	-4.88E-03	0.00E+00
1.01E+01	9.71E+00	5.42E-01	-7.32E-03	0.00E+00
1.01E+01	1.03E+01	6.65E-01	-2.32E-02	0.00E+00
1.01E+01	9.79E+00	5.12E-01	-3.05E-02	0.00E+00
1.01E+01	9.59E+00	7.26E-01	-1.59E-02	0.00E+00
1.01E+01	9.35E+00	7.41E-01	-2.69E-02	0.00E+00
1.02E+01	9.56E+00	6.34E-01	-2.81E-02	0.00E+00
1.02E+01	9.48E+00	5.58E-01	-2.44E-02	0.00E+00
1.02E+01	9.10E+00	6.34E-01	-2.08E-02	0.00E+00
1.02E+01	9.10E+00	8.18E-01	-9.77E-03	0.00E+00
1.02E+01	8.84E+00	4.51E-01	-2.20E-02	0.00E+00
1.03E+01	9.12E+00	5.58E-01	-1.46E-02	0.00E+00
1.03E+01	9.15E+00	6.80E-01	-2.20E-02	0.00E+00
1.03E+01	9.12E+00	6.49E-01	4.88E-03	0.00E+00
1.03E+01	9.09E+00	5.73E-01	-2.08E-02	0.00E+00
1.03E+01	9.25E+00	5.73E-01	-1.71E-02	0.00E+00
1.04E+01	9.70E+00	6.03E-01	-2.44E-02	0.00E+00
1.04E+01	9.25E+00	6.03E-01	-1.46E-02	0.00E+00
1.04E+01	9.19E+00	6.03E-01	-4.88E-03	0.00E+00
1.04E+01	9.68E+00	6.34E-01	-1.34E-02	0.00E+00
1.04E+01	9.80E+00	6.03E-01	-1.95E-02	0.00E+00

1.05E+01	1.00E+01	7.87E-01	-7.32E-03	0.00E+00
1.05E+01	9.75E+00	5.42E-01	-7.32E-03	0.00E+00
1.05E+01	1.07E+01	5.42E-01	-1.83E-02	0.00E+00
1.05E+01	1.04E+01	3.74E-01	-2.20E-02	0.00E+00
1.05E+01	1.04E+01	6.03E-01	-2.69E-02	0.00E+00
1.06E+01	1.11E+01	7.26E-01	-6.10E-03	0.00E+00
1.06E+01	1.10E+01	4.20E-01	-1.22E-02	0.00E+00
1.06E+01	1.11E+01	4.20E-01	-2.32E-02	0.00E+00
1.06E+01	1.15E+01	4.66E-01	-2.20E-02	0.00E+00
1.06E+01	1.21E+01	9.09E-01	-1.83E-02	0.00E+00
1.07E+01	1.20E+01	7.26E-01	3.66E-03	0.00E+00
1.07E+01	1.20E+01	6.03E-01	-8.54E-03	0.00E+00
1.07E+01	1.20E+01	6.34E-01	-1.10E-02	0.00E+00
1.07E+01	1.22E+01	5.42E-01	-1.34E-02	0.00E+00
1.07E+01	1.21E+01	6.65E-01	-2.81E-02	0.00E+00
1.08E+01	1.22E+01	6.03E-01	-1.95E-02	0.00E+00
1.08E+01	1.23E+01	6.34E-01	-1.22E-02	0.00E+00
1.08E+01	1.26E+01	4.51E-01	-2.93E-02	0.00E+00
1.08E+01	1.26E+01	7.56E-01	-2.32E-02	0.00E+00
1.08E+01	1.27E+01	5.88E-01	-9.77E-03	0.00E+00
1.09E+01	1.26E+01	4.20E-01	-1.10E-02	0.00E+00
1.09E+01	1.26E+01	5.42E-01	-2.20E-02	0.00E+00
1.09E+01	1.31E+01	5.12E-01	-2.44E-02	0.00E+00
1.09E+01	1.32E+01	6.34E-01	-2.20E-02	0.00E+00
1.09E+01	1.33E+01	7.56E-01	0.00E+00	0.00E+00
1.10E+01	1.32E+01	6.34E-01	3.66E-03	0.00E+00
1.10E+01	1.32E+01	4.81E-01	-2.44E-03	0.00E+00
1.10E+01	1.37E+01	5.73E-01	-1.22E-02	0.00E+00
1.10E+01	1.38E+01	6.03E-01	-3.17E-02	0.00E+00
1.10E+01	1.39E+01	7.56E-01	-2.32E-02	0.00E+00
1.11E+01	1.41E+01	6.95E-01	-1.34E-02	0.00E+00
1.11E+01	1.43E+01	8.18E-01	-9.77E-03	0.00E+00
1.11E+01	1.46E+01	6.34E-01	-2.20E-02	0.00E+00
1.11E+01	1.47E+01	6.34E-01	-2.93E-02	0.00E+00
1.11E+01	1.49E+01	9.40E-01	-7.32E-03	0.00E+00
1.12E+01	1.48E+01	6.80E-01	-1.22E-02	0.00E+00
1.12E+01	1.49E+01	4.81E-01	-1.71E-02	0.00E+00
1.12E+01	1.55E+01	5.42E-01	-2.56E-02	0.00E+00
1.12E+01	1.57E+01	6.34E-01	-2.44E-02	0.00E+00
1.12E+01	1.56E+01	9.09E-01	-1.22E-02	0.00E+00
1.13E+01	1.54E+01	6.65E-01	7.32E-03	0.00E+00
1.13E+01	1.58E+01	4.96E-01	-1.95E-02	0.00E+00
1.13E+01	1.62E+01	5.73E-01	-1.22E-02	0.00E+00
1.13E+01	1.61E+01	7.56E-01	-1.46E-02	0.00E+00
1.13E+01	1.61E+01	7.26E-01	2.44E-03	0.00E+00
1.14E+01	1.60E+01	6.65E-01	-4.88E-03	0.00E+00
1.14E+01	1.65E+01	5.27E-01	-1.22E-02	0.00E+00

1.14E+01	1.67E+01	4.96E-01	-2.93E-02	0.00E+00
1.14E+01	1.67E+01	7.87E-01	-2.08E-02	0.00E+00
1.14E+01	1.69E+01	8.02E-01	-3.66E-03	0.00E+00
1.15E+01	1.71E+01	2.37E-01	-9.77E-03	0.00E+00
1.15E+01	1.74E+01	6.34E-01	-1.95E-02	0.00E+00
1.15E+01	1.76E+01	6.65E-01	-2.56E-02	0.00E+00
1.15E+01	1.79E+01	6.65E-01	-1.95E-02	0.00E+00
1.15E+01	1.78E+01	6.95E-01	-2.20E-02	0.00E+00
1.16E+01	1.84E+01	4.20E-01	-1.22E-02	0.00E+00
1.16E+01	1.83E+01	6.34E-01	-4.88E-03	0.00E+00
1.16E+01	1.84E+01	5.42E-01	-7.32E-03	0.00E+00
1.16E+01	1.90E+01	7.10E-01	-2.69E-02	0.00E+00
1.16E+01	1.88E+01	5.73E-01	-7.32E-03	0.00E+00
1.17E+01	1.90E+01	7.56E-01	-1.71E-02	0.00E+00
1.17E+01	1.94E+01	4.81E-01	-7.32E-03	0.00E+00
1.17E+01	1.95E+01	5.73E-01	-8.54E-03	0.00E+00
1.17E+01	1.96E+01	7.26E-01	-1.71E-02	0.00E+00
1.17E+01	1.96E+01	4.81E-01	-2.20E-02	0.00E+00
1.18E+01	2.02E+01	9.09E-01	-1.95E-02	0.00E+00
1.18E+01	2.02E+01	6.49E-01	-2.44E-02	0.00E+00
1.18E+01	2.01E+01	6.03E-01	-1.95E-02	0.00E+00
1.18E+01	2.07E+01	6.03E-01	-1.95E-02	0.00E+00
1.18E+01	2.08E+01	4.51E-01	-4.64E-02	0.00E+00
1.19E+01	2.08E+01	9.25E-01	-1.59E-02	0.00E+00
1.19E+01	2.12E+01	5.58E-01	1.10E-02	0.00E+00
1.19E+01	2.12E+01	6.03E-01	-2.44E-03	0.00E+00
1.19E+01	2.16E+01	5.12E-01	-1.46E-02	0.00E+00
1.19E+01	2.19E+01	4.20E-01	-9.77E-03	0.00E+00
1.20E+01	2.20E+01	7.56E-01	-1.46E-02	0.00E+00
1.20E+01	2.24E+01	6.95E-01	-2.44E-03	0.00E+00
1.20E+01	2.24E+01	7.26E-01	-1.22E-02	0.00E+00
1.20E+01	2.24E+01	5.58E-01	-4.88E-03	0.00E+00
1.20E+01	2.30E+01	5.42E-01	-2.44E-02	0.00E+00
1.21E+01	2.31E+01	4.96E-01	-2.44E-02	0.00E+00
1.21E+01	2.32E+01	6.65E-01	-2.20E-02	0.00E+00
1.21E+01	2.37E+01	1.06E+00	-2.08E-02	0.00E+00
1.21E+01	2.35E+01	7.26E-01	1.83E-02	0.00E+00
1.21E+01	2.39E+01	5.42E-01	-4.88E-03	0.00E+00
1.22E+01	2.42E+01	6.95E-01	-3.42E-02	0.00E+00
1.22E+01	2.43E+01	5.12E-01	-2.44E-02	0.00E+00
1.22E+01	2.43E+01	7.26E-01	-1.22E-02	0.00E+00
1.22E+01	2.47E+01	5.12E-01	9.77E-03	0.00E+00
1.22E+01	2.48E+01	7.87E-01	-3.66E-03	0.00E+00
1.23E+01	2.50E+01	4.66E-01	-1.95E-02	0.00E+00
1.23E+01	2.54E+01	5.88E-01	-2.44E-02	0.00E+00
1.23E+01	2.54E+01	6.49E-01	-2.32E-02	0.00E+00
1.23E+01	2.57E+01	6.03E-01	-3.78E-02	0.00E+00

1.23E+01	2.59E+01	6.80E-01	-1.71E-02	0.00E+00
1.24E+01	2.60E+01	4.81E-01	-2.44E-02	0.00E+00
1.24E+01	2.67E+01	7.87E-01	-1.46E-02	0.00E+00
1.24E+01	2.66E+01	6.65E-01	-2.20E-02	0.00E+00
1.24E+01	2.73E+01	6.80E-01	-3.42E-02	0.00E+00
1.24E+01	2.70E+01	9.09E-01	-4.88E-03	0.00E+00
1.25E+01	2.77E+01	4.81E-01	-3.30E-02	0.00E+00
1.25E+01	2.77E+01	5.12E-01	-1.95E-02	0.00E+00
1.25E+01	2.80E+01	5.73E-01	-2.69E-02	0.00E+00
1.25E+01	2.83E+01	7.72E-01	0.00E+00	0.00E+00
1.25E+01	2.82E+01	4.35E-01	-1.22E-02	0.00E+00
1.26E+01	2.88E+01	5.27E-01	-1.22E-02	0.00E+00
1.26E+01	2.89E+01	5.73E-01	-1.71E-02	0.00E+00
1.26E+01	2.88E+01	5.88E-01	-2.69E-02	0.00E+00
1.26E+01	2.93E+01	6.95E-01	-1.10E-02	0.00E+00
1.26E+01	2.94E+01	7.56E-01	-1.22E-02	0.00E+00
1.27E+01	2.93E+01	5.42E-01	-1.10E-02	0.00E+00
1.27E+01	2.99E+01	5.73E-01	-1.95E-02	0.00E+00
1.27E+01	3.00E+01	6.03E-01	-1.95E-02	0.00E+00
1.27E+01	3.04E+01	7.56E-01	-1.10E-02	0.00E+00
1.27E+01	3.06E+01	8.18E-01	-9.77E-03	0.00E+00
1.28E+01	3.04E+01	4.35E-01	-8.54E-03	0.00E+00
1.28E+01	3.09E+01	4.20E-01	-2.32E-02	0.00E+00
1.28E+01	3.12E+01	5.58E-01	-1.10E-02	0.00E+00
1.28E+01	3.15E+01	6.03E-01	-1.71E-02	0.00E+00
1.28E+01	3.17E+01	8.18E-01	-7.32E-03	0.00E+00
1.29E+01	3.17E+01	6.19E-01	-1.95E-02	0.00E+00
1.29E+01	3.23E+01	5.12E-01	-9.77E-03	0.00E+00
1.29E+01	3.23E+01	5.73E-01	-2.44E-02	0.00E+00
1.29E+01	3.27E+01	9.70E-01	-2.93E-02	0.00E+00
1.29E+01	3.29E+01	8.79E-01	8.54E-03	0.00E+00
1.30E+01	3.29E+01	6.03E-01	-2.20E-02	0.00E+00
1.30E+01	3.34E+01	7.72E-01	0.00E+00	0.00E+00
1.30E+01	3.34E+01	5.12E-01	-2.20E-02	0.00E+00
1.30E+01	3.36E+01	8.02E-01	-2.08E-02	0.00E+00
1.30E+01	3.41E+01	7.56E-01	-2.32E-02	0.00E+00
1.31E+01	3.41E+01	5.73E-01	-1.46E-02	0.00E+00
1.31E+01	3.43E+01	6.65E-01	-8.54E-03	0.00E+00
1.31E+01	3.47E+01	8.18E-01	-2.08E-02	0.00E+00
1.31E+01	3.47E+01	7.56E-01	-1.71E-02	0.00E+00
1.31E+01	3.49E+01	5.42E-01	-1.71E-02	0.00E+00
1.32E+01	3.52E+01	3.59E-01	-1.71E-02	0.00E+00
1.32E+01	3.52E+01	4.35E-01	-2.20E-02	0.00E+00
1.32E+01	3.60E+01	5.42E-01	-2.69E-02	0.00E+00
1.32E+01	3.59E+01	6.65E-01	-2.44E-02	0.00E+00
1.32E+01	3.61E+01	7.56E-01	-1.22E-02	0.00E+00
1.33E+01	3.64E+01	7.26E-01	-1.22E-02	0.00E+00

1.33E+01	3.66E+01	4.81E-01	-1.95E-02	0.00E+00
1.33E+01	3.70E+01	7.56E-01	-1.10E-02	0.00E+00
1.33E+01	3.71E+01	6.34E-01	-2.44E-02	0.00E+00
1.33E+01	3.74E+01	6.65E-01	-2.56E-02	0.00E+00
1.34E+01	3.75E+01	7.41E-01	-1.22E-03	0.00E+00
1.34E+01	3.75E+01	5.12E-01	-1.95E-02	0.00E+00
1.34E+01	3.80E+01	7.26E-01	-1.59E-02	0.00E+00
1.34E+01	3.80E+01	3.89E-01	-3.17E-02	0.00E+00
1.34E+01	3.83E+01	6.65E-01	-2.20E-02	0.00E+00
1.35E+01	3.87E+01	7.56E-01	-1.95E-02	0.00E+00
1.35E+01	3.88E+01	7.41E-01	-3.42E-02	0.00E+00
1.35E+01	3.88E+01	3.59E-01	-7.32E-03	0.00E+00
1.35E+01	3.94E+01	5.27E-01	-4.27E-02	0.00E+00
1.35E+01	3.93E+01	6.34E-01	-2.93E-02	0.00E+00
1.36E+01	3.96E+01	6.65E-01	-1.34E-02	0.00E+00
1.36E+01	3.98E+01	6.95E-01	2.44E-03	0.00E+00
1.36E+01	3.98E+01	2.06E-01	1.22E-03	0.00E+00
1.36E+01	4.05E+01	6.34E-01	-2.69E-02	0.00E+00
1.36E+01	4.05E+01	8.79E-01	-1.71E-02	0.00E+00
1.37E+01	4.08E+01	7.56E-01	9.77E-03	0.00E+00
1.37E+01	4.10E+01	5.27E-01	-9.77E-03	0.00E+00
1.37E+01	4.10E+01	7.26E-01	-1.22E-02	0.00E+00
1.37E+01	4.13E+01	6.65E-01	-8.54E-03	0.00E+00
1.37E+01	4.16E+01	6.03E-01	-2.69E-02	0.00E+00
1.38E+01	4.16E+01	7.10E-01	-1.83E-02	0.00E+00
1.38E+01	4.20E+01	9.25E-01	-1.46E-02	0.00E+00
1.38E+01	4.22E+01	6.34E-01	-1.95E-02	0.00E+00
1.38E+01	4.23E+01	5.58E-01	0.00E+00	0.00E+00
1.38E+01	4.25E+01	3.89E-01	-2.20E-02	0.00E+00
1.39E+01	4.29E+01	6.34E-01	-1.83E-02	0.00E+00
1.39E+01	4.28E+01	1.03E+00	-2.20E-02	0.00E+00
1.39E+01	4.31E+01	8.18E-01	-1.83E-02	0.00E+00
1.39E+01	4.33E+01	7.56E-01	-4.88E-03	0.00E+00
1.39E+01	4.32E+01	4.20E-01	-1.46E-02	0.00E+00
1.40E+01	4.36E+01	8.02E-01	-1.95E-02	0.00E+00
1.40E+01	4.39E+01	1.02E+00	-2.32E-02	0.00E+00
1.40E+01	4.39E+01	1.58E+01	-2.56E-02	0.00E+00
1.40E+01	4.40E+01	1.85E+01	-9.77E-03	0.00E+00
1.40E+01	4.43E+01	1.86E+01	-1.46E-02	0.00E+00
1.41E+01	4.44E+01	1.91E+01	-1.46E-02	0.00E+00
1.41E+01	4.44E+01	8.83E+00	-1.22E-02	0.00E+00
1.41E+01	4.44E+01	4.66E+00	-2.08E-02	0.00E+00
1.41E+01	4.45E+01	5.65E+00	-2.08E-02	0.00E+00
1.41E+01	4.44E+01	8.34E+00	-8.54E-03	0.00E+00
1.42E+01	4.45E+01	1.37E+01	-1.22E-02	0.00E+00
1.42E+01	4.44E+01	1.84E+01	-9.77E-03	0.00E+00
1.42E+01	4.44E+01	1.71E+01	-3.05E-02	0.00E+00

1.42E+01	4.45E+01	1.57E+01	-1.71E-02	0.00E+00
1.42E+01	4.45E+01	1.41E+01	-2.20E-02	0.00E+00
1.43E+01	4.46E+01	1.18E+01	-3.17E-02	0.00E+00
1.43E+01	4.45E+01	1.27E+01	-1.71E-02	0.00E+00
1.43E+01	4.44E+01	1.53E+01	-3.05E-02	0.00E+00
1.43E+01	4.45E+01	1.76E+01	-2.44E-02	0.00E+00
1.43E+01	4.46E+01	2.07E+01	-9.77E-03	0.00E+00
1.44E+01	4.51E+01	2.26E+01	-2.20E-02	0.00E+00
1.44E+01	4.51E+01	2.32E+01	-4.76E-02	0.00E+00
1.44E+01	4.51E+01	2.54E+01	-2.20E-02	0.00E+00
1.44E+01	4.51E+01	2.63E+01	-4.15E-02	0.00E+00
1.44E+01	4.52E+01	2.82E+01	-1.10E-02	0.00E+00
1.45E+01	4.56E+01	3.14E+01	-1.46E-02	0.00E+00
1.45E+01	4.55E+01	3.23E+01	9.77E-03	0.00E+00
1.45E+01	4.56E+01	3.37E+01	-1.10E-02	0.00E+00
1.45E+01	4.57E+01	3.48E+01	-3.91E-02	0.00E+00
1.45E+01	4.58E+01	3.53E+01	-2.20E-02	0.00E+00
1.46E+01	4.57E+01	3.61E+01	-1.95E-02	0.00E+00
1.46E+01	4.57E+01	3.60E+01	-1.22E-02	0.00E+00
1.46E+01	4.56E+01	3.49E+01	-1.46E-02	0.00E+00
1.46E+01	4.57E+01	3.36E+01	-2.93E-02	0.00E+00
1.46E+01	4.57E+01	3.15E+01	-1.71E-02	0.00E+00
1.47E+01	4.58E+01	2.97E+01	-3.17E-02	0.00E+00
1.47E+01	4.56E+01	2.75E+01	-7.32E-03	0.00E+00
1.47E+01	4.57E+01	2.49E+01	-1.10E-02	0.00E+00
1.47E+01	4.57E+01	2.25E+01	-1.22E-02	0.00E+00
1.47E+01	4.53E+01	1.99E+01	-7.32E-03	0.00E+00
1.48E+01	4.50E+01	1.80E+01	-4.88E-03	0.00E+00
1.48E+01	4.52E+01	1.69E+01	-1.83E-02	0.00E+00
1.48E+01	4.51E+01	1.58E+01	-1.71E-02	0.00E+00
1.48E+01	4.51E+01	1.47E+01	-1.95E-02	0.00E+00
1.48E+01	4.50E+01	1.37E+01	-1.10E-02	0.00E+00
1.49E+01	4.49E+01	1.29E+01	4.88E-03	0.00E+00
1.49E+01	4.51E+01	1.30E+01	-1.95E-02	0.00E+00
1.49E+01	4.51E+01	1.37E+01	-1.71E-02	0.00E+00
1.49E+01	4.52E+01	1.37E+01	-2.44E-02	0.00E+00
1.49E+01	4.51E+01	1.28E+01	-3.54E-02	0.00E+00
1.50E+01	4.51E+01	1.19E+01	-1.22E-02	0.00E+00
1.50E+01	4.48E+01	1.14E+01	-1.46E-02	0.00E+00
1.50E+01	4.47E+01	1.10E+01	-4.39E-02	0.00E+00
1.50E+01	4.47E+01	1.17E+01	-2.20E-02	0.00E+00
1.50E+01	4.47E+01	1.18E+01	-2.69E-02	0.00E+00
1.51E+01	4.46E+01	1.10E+01	-8.54E-03	0.00E+00
1.51E+01	4.46E+01	1.04E+01	-9.77E-03	0.00E+00
1.51E+01	4.45E+01	9.04E+00	7.32E-03	0.00E+00
1.51E+01	4.44E+01	7.65E+00	-1.59E-02	0.00E+00
1.51E+01	4.45E+01	6.47E+00	-4.88E-02	0.00E+00

1.52E+01	4.45E+01	5.13E+00	-1.95E-02	0.00E+00
1.52E+01	4.45E+01	3.97E+00	-2.32E-02	0.00E+00
1.52E+01	4.46E+01	2.71E+00	0.00E+00	0.00E+00
1.52E+01	4.46E+01	2.25E+00	-1.59E-02	0.00E+00
1.52E+01	4.43E+01	1.09E+00	-1.71E-02	0.00E+00
1.53E+01	4.40E+01	9.86E-01	-8.54E-03	0.00E+00
1.53E+01	4.40E+01	7.41E-01	-2.32E-02	0.00E+00
1.53E+01	4.38E+01	5.58E-01	-2.44E-02	0.00E+00
1.53E+01	4.40E+01	2.98E-01	-2.56E-02	0.00E+00
1.53E+01	4.39E+01	8.02E-01	-1.46E-02	0.00E+00
1.54E+01	4.36E+01	6.95E-01	-9.77E-03	0.00E+00
1.54E+01	4.32E+01	7.26E-01	-1.10E-02	0.00E+00
1.54E+01	4.33E+01	6.65E-01	0.00E+00	0.00E+00
1.54E+01	4.32E+01	4.81E-01	-1.34E-02	0.00E+00
1.54E+01	4.32E+01	6.80E-01	-5.00E-02	0.00E+00
1.55E+01	4.28E+01	5.73E-01	-2.32E-02	0.00E+00
1.55E+01	4.28E+01	7.56E-01	-3.66E-03	0.00E+00
1.55E+01	4.27E+01	7.10E-01	-7.32E-03	0.00E+00
1.55E+01	4.24E+01	5.42E-01	-8.54E-03	0.00E+00
1.55E+01	4.22E+01	6.34E-01	-2.56E-02	0.00E+00
1.56E+01	4.22E+01	8.48E-01	-7.32E-03	0.00E+00
1.56E+01	4.23E+01	5.73E-01	-3.66E-02	0.00E+00
1.56E+01	4.17E+01	8.18E-01	-1.46E-02	0.00E+00
1.56E+01	4.16E+01	6.19E-01	-2.93E-02	0.00E+00
1.56E+01	4.16E+01	7.26E-01	-8.54E-03	0.00E+00
1.57E+01	4.11E+01	4.51E-01	-2.81E-02	0.00E+00
1.57E+01	4.12E+01	8.79E-01	-3.05E-02	0.00E+00
1.57E+01	4.11E+01	6.95E-01	-2.20E-02	0.00E+00
1.57E+01	4.08E+01	7.10E-01	-9.77E-03	0.00E+00
1.57E+01	4.05E+01	1.15E+00	-9.77E-03	0.00E+00
1.58E+01	4.04E+01	7.26E-01	-1.22E-02	0.00E+00
1.58E+01	4.03E+01	2.67E-01	-9.77E-03	0.00E+00
1.58E+01	3.99E+01	4.81E-01	-1.71E-02	0.00E+00
1.58E+01	3.99E+01	5.58E-01	-2.93E-02	0.00E+00
1.58E+01	3.99E+01	5.12E-01	-1.59E-02	0.00E+00
1.59E+01	3.94E+01	7.72E-01	-1.83E-02	0.00E+00
1.59E+01	3.93E+01	6.49E-01	-1.46E-02	0.00E+00
1.59E+01	3.91E+01	4.51E-01	-2.44E-03	0.00E+00
1.59E+01	3.88E+01	6.49E-01	-3.66E-02	0.00E+00
1.59E+01	3.88E+01	7.87E-01	-1.95E-02	0.00E+00
1.60E+01	3.88E+01	6.49E-01	-1.22E-02	0.00E+00
1.60E+01	3.83E+01	6.34E-01	-1.95E-02	0.00E+00
1.60E+01	3.80E+01	7.26E-01	-4.88E-03	0.00E+00
1.60E+01	3.81E+01	4.51E-01	-2.44E-02	0.00E+00
1.60E+01	3.77E+01	5.12E-01	-1.46E-02	0.00E+00
1.61E+01	3.77E+01	6.03E-01	-4.88E-02	0.00E+00
1.61E+01	3.77E+01	7.56E-01	-2.20E-02	0.00E+00

1.61E+01	3.69E+01	7.87E-01	-2.44E-03	0.00E+00
1.61E+01	3.69E+01	4.20E-01	-1.46E-02	0.00E+00
1.61E+01	3.69E+01	6.03E-01	2.20E-02	0.00E+00
1.62E+01	3.64E+01	4.81E-01	-2.93E-02	0.00E+00
1.62E+01	3.65E+01	1.03E+00	-6.10E-03	0.00E+00
1.62E+01	3.64E+01	6.34E-01	-9.77E-03	0.00E+00
1.62E+01	3.59E+01	5.12E-01	-1.83E-02	0.00E+00
1.62E+01	3.58E+01	7.41E-01	-1.10E-02	0.00E+00
1.63E+01	3.57E+01	5.12E-01	-1.95E-02	0.00E+00
1.63E+01	3.53E+01	6.49E-01	-1.71E-02	0.00E+00
1.63E+01	3.54E+01	4.20E-01	-2.44E-02	0.00E+00
1.63E+01	3.53E+01	8.79E-01	-1.71E-02	0.00E+00
1.63E+01	3.48E+01	4.81E-01	-1.22E-02	0.00E+00
1.64E+01	3.47E+01	9.55E-01	-2.08E-02	0.00E+00
1.64E+01	3.47E+01	5.73E-01	-2.81E-02	0.00E+00
1.64E+01	3.42E+01	6.03E-01	-1.95E-02	0.00E+00
1.64E+01	3.39E+01	8.18E-01	-4.88E-03	0.00E+00
1.64E+01	3.40E+01	6.03E-01	-2.20E-02	0.00E+00
1.65E+01	3.35E+01	4.81E-01	-1.95E-02	0.00E+00
1.65E+01	3.35E+01	6.65E-01	-2.56E-02	0.00E+00
1.65E+01	3.35E+01	6.95E-01	-1.59E-02	0.00E+00
1.65E+01	3.27E+01	6.19E-01	-1.46E-02	0.00E+00
1.65E+01	3.29E+01	6.65E-01	-7.32E-03	0.00E+00
1.66E+01	3.26E+01	6.65E-01	-1.95E-02	0.00E+00
1.66E+01	3.25E+01	6.95E-01	-3.42E-02	0.00E+00
1.66E+01	3.24E+01	8.18E-01	-7.32E-03	0.00E+00
1.66E+01	3.20E+01	8.02E-01	-2.20E-02	0.00E+00
1.66E+01	3.17E+01	4.96E-01	-1.71E-02	0.00E+00
1.67E+01	3.17E+01	4.51E-01	-3.05E-02	0.00E+00
1.67E+01	3.14E+01	6.65E-01	-2.69E-02	0.00E+00
1.67E+01	3.12E+01	7.87E-01	0.00E+00	0.00E+00
1.67E+01	3.12E+01	6.65E-01	-1.71E-02	0.00E+00
1.67E+01	3.05E+01	5.73E-01	-2.44E-03	0.00E+00
1.68E+01	3.06E+01	5.42E-01	-4.15E-02	0.00E+00
1.68E+01	3.06E+01	7.26E-01	-2.20E-02	0.00E+00
1.68E+01	3.01E+01	8.18E-01	-9.77E-03	0.00E+00
1.68E+01	2.99E+01	4.05E-01	-1.46E-02	0.00E+00
1.68E+01	2.99E+01	5.12E-01	-1.95E-02	0.00E+00
1.69E+01	2.96E+01	6.03E-01	-1.46E-02	0.00E+00
1.69E+01	2.95E+01	4.66E-01	-2.93E-02	0.00E+00
1.69E+01	2.95E+01	6.95E-01	-2.69E-02	0.00E+00
1.69E+01	2.88E+01	8.18E-01	0.00E+00	0.00E+00
1.69E+01	2.88E+01	6.65E-01	-1.22E-02	0.00E+00
1.70E+01	2.87E+01	4.81E-01	-1.46E-02	0.00E+00
1.70E+01	2.83E+01	6.34E-01	-1.83E-02	0.00E+00
1.70E+01	2.84E+01	7.56E-01	-2.20E-02	0.00E+00
1.70E+01	2.80E+01	5.58E-01	-1.95E-02	0.00E+00

1.70E+01	2.77E+01	5.88E-01	-1.46E-02	0.00E+00
1.71E+01	2.73E+01	5.42E-01	-3.66E-03	0.00E+00
1.71E+01	2.71E+01	3.13E-01	-2.44E-02	0.00E+00
1.71E+01	2.70E+01	4.81E-01	-3.42E-02	0.00E+00
1.71E+01	2.66E+01	5.73E-01	-2.08E-02	0.00E+00
1.71E+01	2.65E+01	6.65E-01	-2.20E-02	0.00E+00
1.72E+01	2.62E+01	6.80E-01	-1.22E-03	0.00E+00
1.72E+01	2.59E+01	6.80E-01	-9.77E-03	0.00E+00
1.72E+01	2.59E+01	6.80E-01	-1.71E-02	0.00E+00
1.72E+01	2.54E+01	5.12E-01	-1.95E-02	0.00E+00
1.72E+01	2.56E+01	5.73E-01	-4.76E-02	0.00E+00
1.73E+01	2.53E+01	8.18E-01	-4.88E-03	0.00E+00
1.73E+01	2.48E+01	6.65E-01	-1.22E-02	0.00E+00
1.73E+01	2.47E+01	6.65E-01	-1.95E-02	0.00E+00
1.73E+01	2.44E+01	4.81E-01	-1.59E-02	0.00E+00
1.73E+01	2.43E+01	6.34E-01	-3.66E-02	0.00E+00
1.74E+01	2.43E+01	6.03E-01	-2.69E-02	0.00E+00
1.74E+01	2.39E+01	6.65E-01	-4.27E-02	0.00E+00
1.74E+01	2.36E+01	6.03E-01	-7.32E-03	0.00E+00
1.74E+01	2.35E+01	5.12E-01	-6.10E-03	0.00E+00
1.74E+01	2.31E+01	6.03E-01	-2.69E-02	0.00E+00
1.75E+01	2.31E+01	4.51E-01	-1.95E-02	0.00E+00
1.75E+01	2.31E+01	6.65E-01	-3.91E-02	0.00E+00
1.75E+01	2.24E+01	6.34E-01	-1.46E-02	0.00E+00
1.75E+01	2.24E+01	5.73E-01	-1.22E-03	0.00E+00
1.75E+01	2.22E+01	4.35E-01	-9.77E-03	0.00E+00
1.76E+01	2.19E+01	5.73E-01	-2.32E-02	0.00E+00
1.76E+01	2.20E+01	6.65E-01	-2.20E-02	0.00E+00
1.76E+01	2.14E+01	4.51E-01	-1.10E-02	0.00E+00
1.76E+01	2.14E+01	5.73E-01	-1.22E-02	0.00E+00
1.76E+01	2.10E+01	4.51E-01	-1.46E-02	0.00E+00
1.77E+01	2.07E+01	6.34E-01	-2.56E-02	0.00E+00
1.77E+01	2.07E+01	7.26E-01	-2.69E-02	0.00E+00
1.77E+01	2.02E+01	6.49E-01	-1.95E-02	0.00E+00
1.77E+01	2.03E+01	7.41E-01	-1.22E-02	0.00E+00
1.77E+01	1.95E+01	6.65E-01	-7.32E-03	0.00E+00
1.78E+01	1.95E+01	4.51E-01	-2.20E-02	0.00E+00
1.78E+01	1.93E+01	7.41E-01	-3.17E-02	0.00E+00
1.78E+01	1.90E+01	7.10E-01	-2.20E-02	0.00E+00
1.78E+01	1.88E+01	6.65E-01	-3.91E-02	0.00E+00
1.78E+01	1.84E+01	6.03E-01	-1.22E-02	0.00E+00
1.79E+01	1.83E+01	5.73E-01	-1.10E-02	0.00E+00
1.79E+01	1.79E+01	4.96E-01	-2.08E-02	0.00E+00
1.79E+01	1.79E+01	6.80E-01	-2.93E-02	0.00E+00
1.79E+01	1.77E+01	7.26E-01	-3.91E-02	0.00E+00
1.79E+01	1.74E+01	8.33E-01	4.88E-03	0.00E+00
1.80E+01	1.72E+01	6.65E-01	-1.34E-02	0.00E+00

1.80E+01	1.67E+01	5.73E-01	-1.22E-02	0.00E+00
1.80E+01	1.68E+01	7.26E-01	-1.59E-02	0.00E+00
1.80E+01	1.62E+01	8.33E-01	-1.71E-02	0.00E+00
1.80E+01	1.62E+01	8.18E-01	-2.69E-02	0.00E+00
1.81E+01	1.59E+01	1.08E+00	-1.22E-02	0.00E+00
1.81E+01	1.59E+01	6.65E-01	-9.77E-03	0.00E+00
1.81E+01	1.54E+01	5.12E-01	-1.22E-02	0.00E+00
1.81E+01	1.54E+01	3.28E-01	-2.20E-02	0.00E+00
1.81E+01	1.54E+01	6.65E-01	-2.32E-02	0.00E+00
1.82E+01	1.48E+01	6.34E-01	-9.77E-03	0.00E+00
1.82E+01	1.49E+01	7.10E-01	-7.32E-03	0.00E+00
1.82E+01	1.43E+01	5.73E-01	-8.54E-03	0.00E+00
1.82E+01	1.43E+01	6.19E-01	-2.44E-02	0.00E+00
1.82E+01	1.41E+01	6.03E-01	-3.17E-02	0.00E+00
1.83E+01	1.38E+01	8.33E-01	-2.20E-02	0.00E+00
1.83E+01	1.36E+01	7.26E-01	-4.88E-03	0.00E+00
1.83E+01	1.31E+01	6.80E-01	-9.77E-03	0.00E+00
1.83E+01	1.31E+01	4.81E-01	-1.22E-02	0.00E+00
1.83E+01	1.27E+01	6.34E-01	-2.20E-02	0.00E+00
1.84E+01	1.27E+01	3.89E-01	-4.15E-02	0.00E+00
1.84E+01	1.22E+01	8.02E-01	-2.69E-02	0.00E+00
1.84E+01	1.20E+01	7.41E-01	-9.77E-03	0.00E+00
1.84E+01	1.18E+01	4.20E-01	-3.66E-03	0.00E+00
1.84E+01	1.15E+01	5.42E-01	-1.46E-02	0.00E+00
1.85E+01	1.14E+01	4.20E-01	-2.81E-02	0.00E+00
1.85E+01	1.08E+01	5.27E-01	-2.81E-02	0.00E+00
1.85E+01	1.09E+01	7.56E-01	-2.20E-02	0.00E+00
1.85E+01	1.06E+01	5.73E-01	-2.81E-02	0.00E+00
1.85E+01	1.03E+01	6.95E-01	-1.46E-02	0.00E+00
1.86E+01	9.96E+00	6.03E-01	-1.22E-02	0.00E+00
1.86E+01	9.64E+00	5.12E-01	-1.71E-02	0.00E+00
1.86E+01	9.62E+00	7.26E-01	-2.20E-02	0.00E+00
1.86E+01	9.18E+00	6.65E-01	-3.05E-02	0.00E+00
1.86E+01	9.15E+00	6.03E-01	-1.71E-02	0.00E+00
1.87E+01	8.94E+00	5.27E-01	-3.42E-02	0.00E+00
1.87E+01	9.00E+00	5.88E-01	-9.77E-03	0.00E+00
1.87E+01	8.69E+00	4.66E-01	-1.71E-02	0.00E+00
1.87E+01	8.58E+00	4.51E-01	-3.30E-02	0.00E+00
1.87E+01	8.62E+00	6.95E-01	-2.69E-02	0.00E+00
1.88E+01	8.46E+00	7.10E-01	-9.77E-03	0.00E+00
1.88E+01	8.55E+00	9.09E-01	-2.44E-02	0.00E+00
1.88E+01	8.55E+00	4.96E-01	-1.22E-02	0.00E+00
1.88E+01	9.11E+00	6.65E-01	-2.69E-02	0.00E+00
1.88E+01	9.13E+00	6.65E-01	-3.66E-03	0.00E+00
1.89E+01	9.13E+00	4.51E-01	-2.69E-02	0.00E+00
1.89E+01	9.47E+00	7.87E-01	-1.46E-02	0.00E+00
1.89E+01	9.68E+00	8.02E-01	-1.22E-02	0.00E+00

1.89E+01	9.72E+00	5.42E-01	-2.69E-02	0.00E+00
1.89E+01	1.02E+01	6.34E-01	-1.46E-02	0.00E+00
1.90E+01	1.01E+01	7.56E-01	-1.83E-02	0.00E+00
1.90E+01	1.05E+01	6.95E-01	-2.08E-02	0.00E+00
1.90E+01	1.03E+01	4.20E-01	-4.88E-03	0.00E+00
1.90E+01	1.04E+01	6.95E-01	-1.10E-02	0.00E+00
1.90E+01	1.14E+01	4.96E-01	-9.77E-03	0.00E+00
1.91E+01	1.09E+01	5.12E-01	-2.93E-02	0.00E+00
1.91E+01	1.14E+01	6.03E-01	4.88E-03	0.00E+00
1.91E+01	1.17E+01	5.58E-01	-1.46E-02	0.00E+00
1.91E+01	1.19E+01	5.73E-01	-4.88E-03	0.00E+00
1.91E+01	1.19E+01	6.34E-01	-1.34E-02	0.00E+00
1.92E+01	1.20E+01	6.49E-01	-1.95E-02	0.00E+00
1.92E+01	1.21E+01	6.34E-01	2.44E-03	0.00E+00
1.92E+01	1.21E+01	6.34E-01	-2.08E-02	0.00E+00
1.92E+01	1.23E+01	7.56E-01	-1.95E-02	0.00E+00
1.92E+01	1.24E+01	8.18E-01	-6.10E-03	0.00E+00
1.93E+01	1.22E+01	6.03E-01	-4.39E-02	0.00E+00
1.93E+01	1.20E+01	5.73E-01	-1.71E-02	0.00E+00
1.93E+01	1.23E+01	3.74E-01	-1.22E-02	0.00E+00
1.93E+01	1.27E+01	5.12E-01	-1.22E-02	0.00E+00
1.93E+01	1.26E+01	6.65E-01	-9.77E-03	0.00E+00
1.94E+01	1.29E+01	7.26E-01	-2.44E-03	0.00E+00
1.94E+01	1.26E+01	3.59E-01	-1.95E-02	0.00E+00
1.94E+01	1.29E+01	7.26E-01	-2.93E-02	0.00E+00
1.94E+01	1.30E+01	8.02E-01	-9.77E-03	0.00E+00
1.94E+01	1.32E+01	7.72E-01	-1.46E-02	0.00E+00
1.95E+01	1.33E+01	6.19E-01	-1.83E-02	0.00E+00
1.95E+01	1.36E+01	4.20E-01	-1.95E-02	0.00E+00
1.95E+01	1.38E+01	5.58E-01	-1.22E-02	0.00E+00
1.95E+01	1.38E+01	3.89E-01	-2.69E-02	0.00E+00
1.95E+01	1.43E+01	7.56E-01	-2.08E-02	0.00E+00
1.96E+01	1.42E+01	7.10E-01	0.00E+00	0.00E+00
1.96E+01	1.43E+01	4.20E-01	-1.10E-02	0.00E+00
1.96E+01	1.42E+01	6.19E-01	-1.71E-02	0.00E+00
1.96E+01	1.45E+01	7.87E-01	-2.93E-02	0.00E+00
1.96E+01	1.50E+01	5.42E-01	-3.05E-02	0.00E+00
1.97E+01	1.49E+01	5.58E-01	-7.32E-03	0.00E+00
1.97E+01	1.49E+01	4.81E-01	-1.46E-02	0.00E+00
1.97E+01	1.49E+01	6.19E-01	-3.17E-02	0.00E+00
1.97E+01	1.53E+01	7.41E-01	-2.93E-02	0.00E+00
1.97E+01	1.55E+01	7.56E-01	-2.44E-02	0.00E+00
1.98E+01	1.55E+01	4.20E-01	-1.34E-02	0.00E+00
1.98E+01	1.55E+01	6.03E-01	1.22E-02	0.00E+00
1.98E+01	1.57E+01	4.81E-01	-1.46E-02	0.00E+00
1.98E+01	1.61E+01	3.89E-01	-3.66E-02	0.00E+00
1.98E+01	1.62E+01	8.79E-01	-2.69E-02	0.00E+00

1.99E+01	1.62E+01	6.65E-01	-2.20E-02	0.00E+00
1.99E+01	1.67E+01	7.56E-01	-1.83E-02	0.00E+00
1.99E+01	1.66E+01	5.12E-01	-1.59E-02	0.00E+00
1.99E+01	1.67E+01	5.58E-01	-3.17E-02	0.00E+00
1.99E+01	1.73E+01	7.26E-01	-1.95E-02	0.00E+00
2.00E+01	1.73E+01	6.65E-01	-1.71E-02	0.00E+00
2.00E+01	1.72E+01	5.88E-01	-7.32E-03	0.00E+00
2.00E+01	1.78E+01	4.20E-01	-9.77E-03	0.00E+00
2.00E+01	1.79E+01	5.73E-01	-2.32E-02	0.00E+00
2.00E+01	1.79E+01	3.89E-01	-2.69E-02	0.00E+00
2.01E+01	1.84E+01	6.95E-01	-9.77E-03	0.00E+00
2.01E+01	1.84E+01	6.95E-01	-7.32E-03	0.00E+00
2.01E+01	1.84E+01	7.26E-01	-1.46E-02	0.00E+00
2.01E+01	1.85E+01	4.81E-01	6.10E-03	0.00E+00
2.01E+01	1.89E+01	4.81E-01	-2.69E-02	0.00E+00
2.02E+01	1.91E+01	6.65E-01	-2.81E-02	0.00E+00
2.02E+01	1.91E+01	5.88E-01	-2.44E-02	0.00E+00
2.02E+01	1.95E+01	7.41E-01	-2.44E-02	0.00E+00
2.02E+01	1.95E+01	4.96E-01	-1.34E-02	0.00E+00
2.02E+01	1.96E+01	5.88E-01	-3.66E-03	0.00E+00
2.03E+01	2.02E+01	5.88E-01	-1.95E-02	0.00E+00
2.03E+01	2.02E+01	6.03E-01	-2.20E-02	0.00E+00
2.03E+01	2.04E+01	6.65E-01	-2.44E-03	0.00E+00
2.03E+01	2.07E+01	5.12E-01	-1.22E-02	0.00E+00
2.03E+01	2.07E+01	7.26E-01	2.44E-03	0.00E+00
2.04E+01	2.14E+01	2.67E-01	-2.08E-02	0.00E+00
2.04E+01	2.14E+01	6.80E-01	-3.42E-02	0.00E+00
2.04E+01	2.17E+01	8.18E-01	-8.54E-03	0.00E+00
2.04E+01	2.18E+01	3.89E-01	-1.22E-02	0.00E+00
2.04E+01	2.19E+01	6.03E-01	-8.54E-03	0.00E+00
2.05E+01	2.23E+01	8.63E-01	-1.83E-02	0.00E+00
2.05E+01	2.25E+01	5.42E-01	-2.69E-02	0.00E+00
2.05E+01	2.25E+01	6.65E-01	-2.44E-02	0.00E+00
2.05E+01	2.28E+01	6.95E-01	-2.20E-02	0.00E+00
2.05E+01	2.30E+01	5.73E-01	-1.22E-03	0.00E+00
2.06E+01	2.31E+01	3.89E-01	-2.44E-02	0.00E+00
2.06E+01	2.34E+01	6.65E-01	-2.32E-02	0.00E+00
2.06E+01	2.37E+01	5.73E-01	-3.42E-02	0.00E+00
2.06E+01	2.37E+01	8.48E-01	-1.71E-02	0.00E+00
2.06E+01	2.38E+01	7.56E-01	-2.20E-02	0.00E+00
2.07E+01	2.42E+01	6.49E-01	-9.77E-03	0.00E+00
2.07E+01	2.42E+01	4.51E-01	-4.03E-02	0.00E+00
2.07E+01	2.46E+01	6.19E-01	-3.78E-02	0.00E+00
2.07E+01	2.48E+01	8.48E-01	-1.22E-02	0.00E+00
2.07E+01	2.47E+01	6.03E-01	-1.22E-02	0.00E+00
2.08E+01	2.53E+01	7.56E-01	4.88E-03	0.00E+00
2.08E+01	2.54E+01	5.58E-01	-1.95E-02	0.00E+00

2.08E+01	2.58E+01	5.12E-01	-2.20E-02	0.00E+00
2.08E+01	2.60E+01	7.26E-01	-3.66E-02	0.00E+00
2.08E+01	2.59E+01	6.95E-01	-1.22E-02	0.00E+00
2.09E+01	2.65E+01	9.40E-01	1.46E-02	0.00E+00
2.09E+01	2.64E+01	4.96E-01	-9.77E-03	0.00E+00
2.09E+01	2.72E+01	7.56E-01	-2.56E-02	0.00E+00
2.09E+01	2.71E+01	6.34E-01	0.00E+00	0.00E+00
2.09E+01	2.75E+01	4.20E-01	-2.44E-02	0.00E+00
2.10E+01	2.77E+01	6.65E-01	-1.71E-02	0.00E+00
2.10E+01	2.77E+01	9.40E-01	-1.95E-02	0.00E+00
2.10E+01	2.83E+01	5.73E-01	-1.71E-02	0.00E+00
2.10E+01	2.82E+01	6.34E-01	-1.95E-02	0.00E+00
2.10E+01	2.84E+01	8.48E-01	-2.20E-02	0.00E+00
2.11E+01	2.89E+01	6.95E-01	-1.22E-02	0.00E+00
2.11E+01	2.88E+01	6.65E-01	-1.22E-02	0.00E+00
2.11E+01	2.91E+01	5.73E-01	-1.10E-02	0.00E+00
2.11E+01	2.95E+01	4.96E-01	-1.95E-02	0.00E+00
2.11E+01	2.95E+01	8.48E-01	-1.59E-02	0.00E+00
2.12E+01	2.98E+01	7.56E-01	-2.44E-02	0.00E+00
2.12E+01	3.00E+01	6.65E-01	-1.46E-02	0.00E+00
2.12E+01	2.99E+01	6.95E-01	-1.46E-02	0.00E+00
2.12E+01	3.06E+01	4.51E-01	-2.44E-02	0.00E+00
2.12E+01	3.07E+01	6.80E-01	-1.71E-02	0.00E+00
2.13E+01	3.10E+01	7.56E-01	4.88E-03	0.00E+00
2.13E+01	3.11E+01	6.95E-01	-6.10E-03	0.00E+00
2.13E+01	3.11E+01	5.27E-01	-1.46E-02	0.00E+00
2.13E+01	3.17E+01	3.28E-01	-1.22E-02	0.00E+00
2.13E+01	3.17E+01	4.96E-01	-3.91E-02	0.00E+00
2.14E+01	3.21E+01	6.34E-01	-2.93E-02	0.00E+00
2.14E+01	3.24E+01	6.80E-01	9.77E-03	0.00E+00
2.14E+01	3.23E+01	7.56E-01	-1.71E-02	0.00E+00
2.14E+01	3.27E+01	6.80E-01	-1.22E-02	0.00E+00
2.14E+01	3.29E+01	5.42E-01	-2.69E-02	0.00E+00
2.15E+01	3.29E+01	6.95E-01	-1.95E-02	0.00E+00
2.15E+01	3.35E+01	6.34E-01	-1.46E-02	0.00E+00
2.15E+01	3.34E+01	6.95E-01	-1.59E-02	0.00E+00
2.15E+01	3.38E+01	8.79E-01	-2.20E-02	0.00E+00
2.15E+01	3.40E+01	7.87E-01	4.88E-03	0.00E+00
2.16E+01	3.41E+01	8.79E-01	-6.10E-03	0.00E+00
2.16E+01	3.46E+01	6.95E-01	-1.83E-02	0.00E+00
2.16E+01	3.48E+01	3.28E-01	-1.71E-02	0.00E+00
2.16E+01	3.49E+01	6.65E-01	-2.69E-02	0.00E+00
2.16E+01	3.52E+01	8.02E-01	-1.10E-02	0.00E+00
2.17E+01	3.52E+01	5.73E-01	-4.88E-03	0.00E+00
2.17E+01	3.55E+01	7.26E-01	-4.88E-03	0.00E+00
2.17E+01	3.57E+01	4.20E-01	-1.71E-02	0.00E+00
2.17E+01	3.61E+01	7.41E-01	-1.95E-02	0.00E+00

2.17E+01	3.65E+01	6.65E-01	-1.71E-02	0.00E+00
2.18E+01	3.64E+01	8.02E-01	-1.46E-02	0.00E+00
2.18E+01	3.68E+01	6.34E-01	-1.22E-03	0.00E+00
2.18E+01	3.70E+01	4.51E-01	-2.93E-02	0.00E+00
2.18E+01	3.70E+01	6.19E-01	-6.10E-03	0.00E+00
2.18E+01	3.76E+01	5.42E-01	-3.17E-02	0.00E+00
2.19E+01	3.76E+01	6.80E-01	-3.42E-02	0.00E+00
2.19E+01	3.78E+01	5.73E-01	-4.88E-03	0.00E+00
2.19E+01	3.81E+01	8.18E-01	-2.08E-02	0.00E+00
2.19E+01	3.81E+01	4.20E-01	-2.20E-02	0.00E+00
2.19E+01	3.87E+01	3.74E-01	-3.05E-02	0.00E+00
2.20E+01	3.87E+01	6.95E-01	-3.17E-02	0.00E+00
2.20E+01	3.87E+01	6.65E-01	-1.10E-02	0.00E+00
2.20E+01	3.92E+01	4.81E-01	-9.77E-03	0.00E+00
2.20E+01	3.92E+01	5.12E-01	-1.34E-02	0.00E+00
2.20E+01	3.97E+01	4.20E-01	-2.93E-02	0.00E+00
2.21E+01	3.99E+01	7.56E-01	-1.95E-02	0.00E+00
2.21E+01	3.99E+01	5.88E-01	-1.95E-02	0.00E+00
2.21E+01	4.04E+01	6.19E-01	-1.10E-02	0.00E+00
2.21E+01	4.05E+01	6.03E-01	-2.20E-02	0.00E+00
2.21E+01	4.05E+01	5.73E-01	-1.71E-02	0.00E+00
2.22E+01	4.10E+01	6.34E-01	-3.66E-02	0.00E+00
2.22E+01	4.10E+01	9.09E-01	-7.32E-03	0.00E+00
2.22E+01	4.08E+01	6.34E-01	1.22E-03	0.00E+00
2.22E+01	4.15E+01	3.28E-01	-1.46E-02	0.00E+00
2.22E+01	4.15E+01	6.65E-01	-1.46E-02	0.00E+00
2.23E+01	4.17E+01	6.65E-01	-3.30E-02	0.00E+00
2.23E+01	4.22E+01	6.65E-01	-1.59E-02	0.00E+00
2.23E+01	4.21E+01	7.26E-01	-1.22E-03	0.00E+00
2.23E+01	4.22E+01	6.03E-01	-1.10E-02	0.00E+00
2.23E+01	4.28E+01	5.73E-01	-2.44E-02	0.00E+00
2.24E+01	4.28E+01	3.59E-01	-1.95E-02	0.00E+00
2.24E+01	4.29E+01	8.33E-01	-2.56E-02	0.00E+00
2.24E+01	4.34E+01	7.26E-01	-1.71E-02	0.00E+00
2.24E+01	4.33E+01	6.65E-01	-1.22E-02	0.00E+00
2.24E+01	4.34E+01	6.95E-01	-2.08E-02	0.00E+00
2.25E+01	4.39E+01	7.56E-01	-2.20E-02	0.00E+00
2.25E+01	4.39E+01	1.11E+01	9.77E-03	0.00E+00
2.25E+01	4.41E+01	1.27E+01	-3.42E-02	0.00E+00
2.25E+01	4.44E+01	1.81E+01	-5.13E-02	0.00E+00
2.25E+01	4.44E+01	1.74E+01	1.22E-03	0.00E+00
2.26E+01	4.45E+01	1.16E+01	-1.95E-02	0.00E+00
2.26E+01	4.45E+01	5.33E+00	-3.17E-02	0.00E+00
2.26E+01	4.44E+01	5.68E+00	-1.34E-02	0.00E+00
2.26E+01	4.46E+01	7.76E+00	-4.39E-02	0.00E+00
2.26E+01	4.46E+01	1.12E+01	-1.10E-02	0.00E+00
2.27E+01	4.45E+01	1.67E+01	-1.59E-02	0.00E+00

2.27E+01	4.44E+01	1.78E+01	-7.32E-03	0.00E+00
2.27E+01	4.43E+01	1.56E+01	-1.22E-03	0.00E+00
2.27E+01	4.45E+01	1.44E+01	-2.44E-02	0.00E+00
2.27E+01	4.46E+01	1.20E+01	-1.71E-02	0.00E+00
2.28E+01	4.46E+01	1.17E+01	-2.93E-02	0.00E+00
2.28E+01	4.45E+01	1.45E+01	-1.46E-02	0.00E+00
2.28E+01	4.44E+01	1.64E+01	-1.10E-02	0.00E+00
2.28E+01	4.45E+01	1.93E+01	-2.20E-02	0.00E+00
2.28E+01	4.50E+01	2.16E+01	-2.20E-02	0.00E+00
2.29E+01	4.52E+01	2.22E+01	-3.17E-02	0.00E+00
2.29E+01	4.52E+01	2.40E+01	-2.69E-02	0.00E+00
2.29E+01	4.51E+01	2.55E+01	-1.83E-02	0.00E+00
2.29E+01	4.50E+01	2.71E+01	-2.32E-02	0.00E+00
2.29E+01	4.55E+01	3.03E+01	-6.10E-03	0.00E+00
2.30E+01	4.56E+01	3.22E+01	-2.44E-02	0.00E+00
2.30E+01	4.57E+01	3.32E+01	-2.44E-02	0.00E+00
2.30E+01	4.57E+01	3.40E+01	-2.20E-02	0.00E+00
2.30E+01	4.57E+01	3.48E+01	-2.69E-02	0.00E+00
2.30E+01	4.56E+01	3.58E+01	-1.95E-02	0.00E+00
2.31E+01	4.56E+01	3.59E+01	-1.22E-02	0.00E+00
2.31E+01	4.57E+01	3.54E+01	-9.77E-03	0.00E+00
2.31E+01	4.56E+01	3.44E+01	4.88E-03	0.00E+00
2.31E+01	4.57E+01	3.39E+01	-2.20E-02	0.00E+00
2.31E+01	4.58E+01	3.38E+01	-1.46E-02	0.00E+00
2.32E+01	4.57E+01	3.42E+01	-1.83E-02	0.00E+00
2.32E+01	4.57E+01	3.33E+01	-1.22E-02	0.00E+00
2.32E+01	4.55E+01	2.49E+01	-7.32E-03	0.00E+00
2.32E+01	4.53E+01	1.97E+01	-1.22E-02	0.00E+00
2.32E+01	4.49E+01	1.41E+01	-1.34E-02	0.00E+00
2.33E+01	4.50E+01	1.05E+01	-2.08E-02	0.00E+00
2.33E+01	4.51E+01	1.29E+01	-2.93E-02	0.00E+00
2.33E+01	4.51E+01	1.60E+01	-1.95E-02	0.00E+00
2.33E+01	4.51E+01	1.86E+01	-1.22E-02	0.00E+00
2.33E+01	4.51E+01	2.18E+01	-2.44E-03	0.00E+00
2.34E+01	4.50E+01	1.67E+01	-9.77E-03	0.00E+00
2.34E+01	4.50E+01	1.42E+01	-1.95E-02	0.00E+00
2.34E+01	4.51E+01	1.30E+01	-2.44E-02	0.00E+00
2.34E+01	4.51E+01	1.31E+01	-1.95E-02	0.00E+00
2.34E+01	4.52E+01	1.74E+01	-4.39E-02	0.00E+00
2.35E+01	4.52E+01	1.85E+01	-2.20E-02	0.00E+00
2.35E+01	4.51E+01	1.71E+01	-1.59E-02	0.00E+00
2.35E+01	4.51E+01	1.57E+01	-1.71E-02	0.00E+00
2.35E+01	4.50E+01	1.37E+01	-9.77E-03	0.00E+00
2.35E+01	4.51E+01	1.44E+01	-1.59E-02	0.00E+00
2.36E+01	4.51E+01	1.58E+01	-4.15E-02	0.00E+00
2.36E+01	4.51E+01	1.65E+01	-1.71E-02	0.00E+00
2.36E+01	4.51E+01	1.68E+01	-2.81E-02	0.00E+00

2.36E+01	4.52E+01	1.61E+01	-1.95E-02	0.00E+00
2.36E+01	4.51E+01	1.44E+01	-1.83E-02	0.00E+00
2.37E+01	4.52E+01	1.49E+01	-7.32E-03	0.00E+00
2.37E+01	4.50E+01	1.47E+01	-1.71E-02	0.00E+00
2.37E+01	4.50E+01	1.54E+01	-3.17E-02	0.00E+00
2.37E+01	4.51E+01	1.74E+01	-1.71E-02	0.00E+00
2.37E+01	4.51E+01	1.65E+01	-1.46E-02	0.00E+00
2.38E+01	4.50E+01	1.60E+01	-2.69E-02	0.00E+00
2.38E+01	4.50E+01	1.54E+01	-7.32E-03	0.00E+00
2.38E+01	4.51E+01	1.46E+01	-7.32E-03	0.00E+00
2.38E+01	4.51E+01	1.57E+01	-2.20E-02	0.00E+00
2.38E+01	4.51E+01	1.60E+01	-1.83E-02	0.00E+00
2.39E+01	4.51E+01	1.59E+01	-1.22E-02	0.00E+00
2.39E+01	4.51E+01	1.63E+01	-3.05E-02	0.00E+00
2.39E+01	4.51E+01	1.54E+01	-2.44E-02	0.00E+00
2.39E+01	4.51E+01	1.54E+01	-1.46E-02	0.00E+00
2.39E+01	4.50E+01	1.55E+01	4.88E-03	0.00E+00
2.40E+01	4.51E+01	1.53E+01	-2.69E-02	0.00E+00
2.40E+01	4.51E+01	1.60E+01	1.22E-03	0.00E+00
2.40E+01	4.51E+01	1.61E+01	-2.20E-02	0.00E+00
2.40E+01	4.50E+01	1.58E+01	-7.32E-03	0.00E+00
2.40E+01	4.51E+01	1.56E+01	-2.93E-02	0.00E+00
2.41E+01	4.52E+01	1.54E+01	-3.42E-02	0.00E+00
2.41E+01	4.51E+01	1.53E+01	-1.46E-02	0.00E+00
2.41E+01	4.50E+01	1.56E+01	-2.69E-02	0.00E+00
2.41E+01	4.49E+01	1.58E+01	-9.77E-03	0.00E+00
2.41E+01	4.50E+01	1.60E+01	-6.10E-03	0.00E+00
2.42E+01	4.50E+01	1.58E+01	-9.77E-03	0.00E+00
2.42E+01	4.49E+01	1.53E+01	-1.46E-02	0.00E+00
2.42E+01	4.51E+01	1.54E+01	-3.17E-02	0.00E+00
2.42E+01	4.51E+01	1.56E+01	-3.91E-02	0.00E+00
2.42E+01	4.51E+01	1.57E+01	-1.83E-02	0.00E+00
2.43E+01	4.51E+01	1.60E+01	-1.22E-02	0.00E+00
2.43E+01	4.50E+01	1.58E+01	-1.95E-02	0.00E+00
2.43E+01	4.51E+01	1.53E+01	-9.77E-03	0.00E+00
2.43E+01	4.51E+01	1.54E+01	-1.71E-02	0.00E+00
2.43E+01	4.51E+01	1.54E+01	-2.44E-02	0.00E+00
2.44E+01	4.51E+01	1.60E+01	-2.44E-03	0.00E+00
2.44E+01	4.50E+01	1.60E+01	-2.44E-03	0.00E+00
2.44E+01	4.50E+01	1.56E+01	-1.22E-03	0.00E+00
2.44E+01	4.49E+01	1.60E+01	-7.32E-03	0.00E+00
2.44E+01	4.50E+01	1.54E+01	-1.83E-02	0.00E+00
2.45E+01	4.51E+01	1.54E+01	-4.15E-02	0.00E+00
2.45E+01	4.51E+01	1.55E+01	-2.44E-02	0.00E+00
2.45E+01	4.50E+01	1.55E+01	-3.17E-02	0.00E+00
2.45E+01	4.52E+01	1.59E+01	-2.20E-02	0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1106A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1106.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 25:35.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 1184

Independe 0.02

Independe -3.96

Independe Sec

Time Angle Force LiftgateMo StrutCalDisplacement

Sec	Degrees	lbs	volts	inches
-3.96E+00	7.58E+01	1.06E+00	-2.44E-02	0.00E+00
-3.94E+00	7.60E+01	9.55E-01	-2.20E-02	0.00E+00
-3.92E+00	7.59E+01	9.70E-01	-3.42E-02	0.00E+00
-3.90E+00	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
-3.88E+00	7.57E+01	9.09E-01	-1.10E-02	0.00E+00
-3.86E+00	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
-3.84E+00	7.58E+01	7.41E-01	-1.22E-02	0.00E+00
-3.82E+00	7.58E+01	7.56E-01	-1.46E-02	0.00E+00
-3.80E+00	7.60E+01	9.70E-01	-4.39E-02	0.00E+00
-3.78E+00	7.60E+01	1.00E+00	-2.69E-02	0.00E+00
-3.76E+00	7.59E+01	1.06E+00	-7.32E-03	0.00E+00
-3.74E+00	7.59E+01	1.02E+00	-1.22E-02	0.00E+00
-3.72E+00	7.58E+01	8.18E-01	-7.32E-03	0.00E+00
-3.70E+00	7.59E+01	7.41E-01	-3.30E-02	0.00E+00
-3.68E+00	7.59E+01	9.25E-01	-3.05E-02	0.00E+00
-3.66E+00	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
-3.64E+00	7.56E+01	8.18E-01	-9.77E-03	0.00E+00
-3.62E+00	7.57E+01	7.87E-01	-4.88E-03	0.00E+00
-3.60E+00	7.59E+01	7.56E-01	-1.95E-02	0.00E+00
-3.58E+00	7.59E+01	9.09E-01	-1.83E-02	0.00E+00
-3.56E+00	7.60E+01	8.48E-01	-2.93E-02	0.00E+00
-3.54E+00	7.59E+01	1.15E+00	-7.32E-03	0.00E+00
-3.52E+00	7.59E+01	7.56E-01	-1.34E-02	0.00E+00
-3.50E+00	7.58E+01	8.79E-01	-2.32E-02	0.00E+00
-3.48E+00	7.58E+01	6.95E-01	-1.95E-02	0.00E+00
-3.46E+00	7.59E+01	5.88E-01	-2.93E-02	0.00E+00
-3.44E+00	7.59E+01	9.40E-01	-2.20E-02	0.00E+00
-3.42E+00	7.58E+01	9.25E-01	-1.46E-02	0.00E+00
-3.40E+00	7.59E+01	9.25E-01	-3.17E-02	0.00E+00
-3.38E+00	7.58E+01	8.18E-01	-2.44E-03	0.00E+00
-3.36E+00	7.60E+01	6.65E-01	-1.46E-02	0.00E+00

-3.34E+00	7.60E+01	8.33E-01	-1.71E-02	0.00E+00
-3.32E+00	7.58E+01	1.03E+00	-1.95E-02	0.00E+00
-3.30E+00	7.59E+01	1.15E+00	-2.69E-02	0.00E+00
-3.28E+00	7.60E+01	8.94E-01	-1.71E-02	0.00E+00
-3.26E+00	7.58E+01	7.87E-01	-2.32E-02	0.00E+00
-3.24E+00	7.59E+01	1.09E+00	-7.32E-03	0.00E+00
-3.22E+00	7.58E+01	7.56E-01	-4.64E-02	0.00E+00
-3.20E+00	7.59E+01	8.33E-01	-3.17E-02	0.00E+00
-3.18E+00	7.59E+01	8.18E-01	-2.93E-02	0.00E+00
-3.16E+00	7.59E+01	7.41E-01	-2.69E-02	0.00E+00
-3.14E+00	7.59E+01	1.03E+00	-2.93E-02	0.00E+00
-3.12E+00	7.57E+01	9.09E-01	0.00E+00	0.00E+00
-3.10E+00	7.59E+01	6.95E-01	-1.22E-02	0.00E+00
-3.08E+00	7.59E+01	1.03E+00	-1.22E-02	0.00E+00
-3.06E+00	7.57E+01	7.56E-01	-1.83E-02	0.00E+00
-3.04E+00	7.58E+01	9.40E-01	-1.83E-02	0.00E+00
-3.02E+00	7.59E+01	6.65E-01	-1.95E-02	0.00E+00
-3.00E+00	7.59E+01	6.49E-01	-4.64E-02	0.00E+00
-2.98E+00	7.59E+01	8.79E-01	-3.66E-03	0.00E+00
-2.96E+00	7.59E+01	1.15E+00	-9.77E-03	0.00E+00
-2.94E+00	7.58E+01	7.26E-01	-3.66E-03	0.00E+00
-2.92E+00	7.58E+01	7.26E-01	-2.44E-02	0.00E+00
-2.90E+00	7.58E+01	8.33E-01	-1.71E-02	0.00E+00
-2.88E+00	7.58E+01	7.56E-01	-1.22E-02	0.00E+00
-2.86E+00	7.59E+01	6.65E-01	-2.69E-02	0.00E+00
-2.84E+00	7.57E+01	8.33E-01	-1.46E-02	0.00E+00
-2.82E+00	7.60E+01	9.09E-01	-1.95E-02	0.00E+00
-2.80E+00	7.58E+01	1.06E+00	-3.66E-03	0.00E+00
-2.78E+00	7.59E+01	8.18E-01	-2.44E-03	0.00E+00
-2.76E+00	7.58E+01	8.48E-01	-7.32E-03	0.00E+00
-2.74E+00	7.59E+01	1.03E+00	-2.44E-02	0.00E+00
-2.72E+00	7.59E+01	7.87E-01	-3.66E-03	0.00E+00
-2.70E+00	7.59E+01	9.55E-01	-2.20E-02	0.00E+00
-2.68E+00	7.59E+01	7.26E-01	-4.88E-03	0.00E+00
-2.66E+00	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
-2.64E+00	7.57E+01	6.80E-01	-3.17E-02	0.00E+00
-2.62E+00	7.59E+01	1.00E+00	-1.71E-02	0.00E+00
-2.60E+00	7.58E+01	8.18E-01	-1.34E-02	0.00E+00
-2.58E+00	7.58E+01	9.09E-01	-3.66E-02	0.00E+00
-2.56E+00	7.58E+01	7.26E-01	6.10E-03	0.00E+00
-2.54E+00	7.59E+01	8.02E-01	-1.95E-02	0.00E+00
-2.52E+00	7.59E+01	8.79E-01	-1.34E-02	0.00E+00
-2.50E+00	7.57E+01	8.48E-01	-2.32E-02	0.00E+00
-2.48E+00	7.58E+01	6.19E-01	-9.77E-03	0.00E+00
-2.46E+00	7.60E+01	1.05E+00	-2.44E-02	0.00E+00
-2.44E+00	7.57E+01	9.70E-01	-1.22E-02	0.00E+00
-2.42E+00	7.58E+01	7.72E-01	-1.59E-02	0.00E+00

-2.40E+00	7.58E+01	1.12E+00	-1.71E-02	0.00E+00
-2.38E+00	7.59E+01	7.56E-01	-7.32E-03	0.00E+00
-2.36E+00	7.60E+01	7.87E-01	-2.20E-02	0.00E+00
-2.34E+00	7.60E+01	1.00E+00	-1.71E-02	0.00E+00
-2.32E+00	7.58E+01	5.88E-01	-4.88E-03	0.00E+00
-2.30E+00	7.58E+01	5.88E-01	-1.46E-02	0.00E+00
-2.28E+00	7.60E+01	8.18E-01	-2.44E-02	0.00E+00
-2.26E+00	7.59E+01	7.26E-01	-2.69E-02	0.00E+00
-2.24E+00	7.59E+01	9.25E-01	-9.77E-03	0.00E+00
-2.22E+00	7.57E+01	8.79E-01	-2.69E-02	0.00E+00
-2.20E+00	7.59E+01	8.18E-01	-1.71E-02	0.00E+00
-2.18E+00	7.59E+01	8.79E-01	-2.69E-02	0.00E+00
-2.16E+00	7.59E+01	8.79E-01	-9.77E-03	0.00E+00
-2.14E+00	7.59E+01	8.79E-01	-7.32E-03	0.00E+00
-2.12E+00	7.58E+01	6.34E-01	-1.83E-02	0.00E+00
-2.10E+00	7.59E+01	8.48E-01	-2.44E-02	0.00E+00
-2.08E+00	7.59E+01	8.94E-01	2.44E-03	0.00E+00
-2.06E+00	7.57E+01	8.79E-01	1.95E-02	0.00E+00
-2.04E+00	7.58E+01	6.03E-01	-1.59E-02	0.00E+00
-2.02E+00	7.58E+01	8.18E-01	-1.46E-02	0.00E+00
-2.00E+00	7.60E+01	8.18E-01	-1.46E-02	0.00E+00
-1.98E+00	7.59E+01	9.09E-01	-2.69E-02	0.00E+00
-1.96E+00	7.57E+01	6.65E-01	-1.22E-02	0.00E+00
-1.94E+00	7.57E+01	8.79E-01	-1.22E-02	0.00E+00
-1.92E+00	7.58E+01	7.56E-01	-1.22E-02	0.00E+00
-1.90E+00	7.59E+01	5.12E-01	-3.42E-02	0.00E+00
-1.88E+00	7.59E+01	7.87E-01	-1.46E-02	0.00E+00
-1.86E+00	7.60E+01	9.70E-01	-1.34E-02	0.00E+00
-1.84E+00	7.58E+01	7.87E-01	-2.44E-02	0.00E+00
-1.82E+00	7.59E+01	9.70E-01	-3.78E-02	0.00E+00
-1.80E+00	7.59E+01	1.15E+00	-4.64E-02	0.00E+00
-1.78E+00	7.59E+01	9.09E-01	-2.44E-02	0.00E+00
-1.76E+00	7.59E+01	9.40E-01	-7.32E-03	0.00E+00
-1.74E+00	7.58E+01	8.18E-01	-1.34E-02	0.00E+00
-1.72E+00	7.59E+01	7.56E-01	-9.77E-03	0.00E+00
-1.70E+00	7.60E+01	8.48E-01	-1.71E-02	0.00E+00
-1.68E+00	7.59E+01	7.10E-01	-2.20E-02	0.00E+00
-1.66E+00	7.59E+01	1.12E+00	-7.32E-03	0.00E+00
-1.64E+00	7.58E+01	6.34E-01	-2.20E-02	0.00E+00
-1.62E+00	7.58E+01	6.80E-01	-2.44E-02	0.00E+00
-1.60E+00	7.59E+01	8.94E-01	-2.69E-02	0.00E+00
-1.58E+00	7.59E+01	1.11E+00	-4.15E-02	0.00E+00
-1.56E+00	7.58E+01	9.40E-01	-1.10E-02	0.00E+00
-1.54E+00	7.59E+01	9.40E-01	-1.22E-02	0.00E+00
-1.52E+00	7.60E+01	8.48E-01	-1.71E-02	0.00E+00
-1.50E+00	7.59E+01	7.87E-01	-2.93E-02	0.00E+00
-1.48E+00	7.59E+01	9.09E-01	-4.88E-03	0.00E+00

-1.46E+00	7.58E+01	4.51E-01	-1.22E-02	0.00E+00
-1.44E+00	7.58E+01	7.26E-01	-3.42E-02	0.00E+00
-1.42E+00	7.59E+01	7.56E-01	-2.44E-02	0.00E+00
-1.40E+00	7.59E+01	1.28E+00	-1.71E-02	0.00E+00
-1.38E+00	7.58E+01	8.33E-01	-4.39E-02	0.00E+00
-1.36E+00	7.58E+01	7.87E-01	-2.69E-02	0.00E+00
-1.34E+00	7.59E+01	7.87E-01	-3.54E-02	0.00E+00
-1.32E+00	7.59E+01	9.40E-01	-9.77E-03	0.00E+00
-1.30E+00	7.58E+01	8.18E-01	-2.44E-03	0.00E+00
-1.28E+00	7.58E+01	7.41E-01	-2.69E-02	0.00E+00
-1.26E+00	7.59E+01	7.26E-01	-2.56E-02	0.00E+00
-1.24E+00	7.59E+01	9.86E-01	-1.83E-02	0.00E+00
-1.22E+00	7.57E+01	9.40E-01	-1.95E-02	0.00E+00
-1.20E+00	7.58E+01	7.56E-01	-7.32E-03	0.00E+00
-1.18E+00	7.58E+01	5.88E-01	-1.95E-02	0.00E+00
-1.16E+00	7.60E+01	9.40E-01	6.10E-03	0.00E+00
-1.14E+00	7.59E+01	7.56E-01	-1.22E-02	0.00E+00
-1.12E+00	7.58E+01	6.65E-01	-1.22E-02	0.00E+00
-1.10E+00	7.57E+01	6.65E-01	-2.20E-02	0.00E+00
-1.08E+00	7.58E+01	1.00E+00	-2.69E-02	0.00E+00
-1.06E+00	7.59E+01	9.09E-01	-4.88E-03	0.00E+00
-1.04E+00	7.58E+01	7.87E-01	-1.10E-02	0.00E+00
-1.02E+00	7.59E+01	6.95E-01	-1.95E-02	0.00E+00
-1.00E+00	7.59E+01	8.18E-01	-3.30E-02	0.00E+00
-9.80E-01	7.59E+01	1.02E+00	-1.10E-02	0.00E+00
-9.60E-01	7.59E+01	1.00E+00	-4.88E-03	0.00E+00
-9.40E-01	7.58E+01	6.95E-01	-1.10E-02	0.00E+00
-9.20E-01	7.59E+01	7.56E-01	-3.17E-02	0.00E+00
-9.00E-01	7.59E+01	1.06E+00	-1.71E-02	0.00E+00
-8.80E-01	7.61E+01	7.72E-01	-2.32E-02	0.00E+00
-8.60E-01	7.59E+01	9.25E-01	1.22E-03	0.00E+00
-8.40E-01	7.58E+01	6.34E-01	-1.59E-02	0.00E+00
-8.20E-01	7.59E+01	8.18E-01	-2.08E-02	0.00E+00
-8.00E-01	7.58E+01	7.26E-01	-2.08E-02	0.00E+00
-7.80E-01	7.59E+01	1.06E+00	-1.22E-02	0.00E+00
-7.60E-01	7.58E+01	8.48E-01	-8.54E-03	0.00E+00
-7.40E-01	7.58E+01	6.34E-01	-4.03E-02	0.00E+00
-7.20E-01	7.55E+01	8.63E-01	-1.71E-02	0.00E+00
-7.00E-01	7.54E+01	8.94E-01	-2.32E-02	0.00E+00
-6.80E-01	7.51E+01	9.55E-01	-2.44E-03	0.00E+00
-6.60E-01	7.52E+01	6.95E-01	-1.34E-02	0.00E+00
-6.40E-01	7.53E+01	5.73E-01	-1.95E-02	0.00E+00
-6.20E-01	7.55E+01	6.03E-01	-2.08E-02	0.00E+00
-6.00E-01	7.59E+01	1.05E+00	-7.32E-03	0.00E+00
-5.80E-01	7.57E+01	7.56E-01	-4.88E-03	0.00E+00
-5.60E-01	7.58E+01	6.34E-01	-1.46E-02	0.00E+00
-5.40E-01	7.58E+01	7.26E-01	-2.93E-02	0.00E+00

-5.20E-01	7.58E+01	8.48E-01	-3.66E-02	0.00E+00
-5.00E-01	7.58E+01	8.48E-01	-9.77E-03	0.00E+00
-4.80E-01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-4.60E-01	7.59E+01	7.87E-01	-4.88E-03	0.00E+00
-4.40E-01	7.57E+01	1.03E+00	-1.95E-02	0.00E+00
-4.20E-01	7.56E+01	9.86E-01	-1.95E-02	0.00E+00
-4.00E-01	7.54E+01	7.87E-01	-7.32E-03	0.00E+00
-3.80E-01	7.52E+01	8.63E-01	-1.95E-02	0.00E+00
-3.60E-01	7.52E+01	6.03E-01	-1.10E-02	0.00E+00
-3.40E-01	7.55E+01	9.09E-01	-2.93E-02	0.00E+00
-3.20E-01	7.52E+01	8.48E-01	-7.32E-03	0.00E+00
-3.00E-01	7.53E+01	8.63E-01	-4.88E-03	0.00E+00
-2.80E-01	7.52E+01	9.55E-01	-7.32E-03	0.00E+00
-2.60E-01	7.52E+01	8.18E-01	-4.64E-02	0.00E+00
-2.40E-01	7.53E+01	7.41E-01	-2.81E-02	0.00E+00
-2.20E-01	7.53E+01	9.40E-01	-1.10E-02	0.00E+00
-2.00E-01	7.52E+01	9.40E-01	9.77E-03	0.00E+00
-1.80E-01	7.53E+01	7.41E-01	-1.71E-02	0.00E+00
-1.60E-01	7.52E+01	7.41E-01	-1.71E-02	0.00E+00
-1.40E-01	7.48E+01	1.00E+00	-1.83E-02	0.00E+00
-1.20E-01	7.48E+01	9.25E-01	-4.88E-03	0.00E+00
-1.00E-01	7.47E+01	1.03E+00	-1.34E-02	0.00E+00
-8.00E-02	7.47E+01	9.70E-01	-1.71E-02	0.00E+00
-6.00E-02	7.47E+01	9.09E-01	2.44E-03	0.00E+00
-4.00E-02	7.48E+01	9.70E-01	-6.10E-03	0.00E+00
-2.00E-02	7.43E+01	7.41E-01	-4.88E-03	0.00E+00
0.00E+00	7.40E+01	6.95E-01	-1.46E-02	0.00E+00
2.00E-02	7.42E+01	6.95E-01	-1.22E-02	0.00E+00
4.00E-02	7.41E+01	8.02E-01	-2.44E-02	0.00E+00
6.00E-02	7.41E+01	1.09E+00	-7.32E-03	0.00E+00
8.00E-02	7.35E+01	8.63E-01	-4.88E-03	0.00E+00
1.00E-01	7.34E+01	8.63E-01	0.00E+00	0.00E+00
1.20E-01	7.36E+01	5.73E-01	-2.69E-02	0.00E+00
1.40E-01	7.33E+01	1.00E+00	-4.39E-02	0.00E+00
1.60E-01	7.30E+01	9.70E-01	-2.32E-02	0.00E+00
1.80E-01	7.30E+01	8.48E-01	-8.54E-03	0.00E+00
2.00E-01	7.29E+01	8.02E-01	-1.46E-02	0.00E+00
2.20E-01	7.27E+01	9.86E-01	-1.95E-02	0.00E+00
2.40E-01	7.23E+01	1.12E+00	-1.95E-02	0.00E+00
2.60E-01	7.23E+01	9.86E-01	-9.77E-03	0.00E+00
2.80E-01	7.19E+01	7.72E-01	-2.08E-02	0.00E+00
3.00E-01	7.19E+01	7.56E-01	-1.95E-02	0.00E+00
3.20E-01	7.18E+01	7.87E-01	-2.08E-02	0.00E+00
3.40E-01	7.14E+01	8.48E-01	-1.83E-02	0.00E+00
3.60E-01	7.11E+01	9.70E-01	-9.77E-03	0.00E+00
3.80E-01	7.12E+01	6.65E-01	-2.69E-02	0.00E+00
4.00E-01	7.11E+01	9.40E-01	-1.95E-02	0.00E+00

4.20E-01	7.13E+01	8.18E-01	-4.15E-02	0.00E+00
4.40E-01	7.09E+01	1.05E+00	-8.54E-03	0.00E+00
4.60E-01	7.05E+01	1.11E+00	-9.77E-03	0.00E+00
4.80E-01	7.05E+01	8.33E-01	-1.22E-02	0.00E+00
5.00E-01	7.05E+01	8.94E-01	-2.93E-02	0.00E+00
5.20E-01	7.00E+01	9.25E-01	-2.69E-02	0.00E+00
5.40E-01	6.98E+01	9.70E-01	-9.77E-03	0.00E+00
5.60E-01	6.97E+01	6.65E-01	-1.71E-02	0.00E+00
5.80E-01	6.94E+01	9.55E-01	-1.71E-02	0.00E+00
6.00E-01	6.93E+01	1.03E+00	-2.93E-02	0.00E+00
6.20E-01	6.92E+01	9.55E-01	-2.93E-02	0.00E+00
6.40E-01	6.86E+01	7.72E-01	-2.20E-02	0.00E+00
6.60E-01	6.83E+01	5.73E-01	-2.32E-02	0.00E+00
6.80E-01	6.84E+01	1.00E+00	-2.32E-02	0.00E+00
7.00E-01	6.80E+01	9.09E-01	-2.20E-02	0.00E+00
7.20E-01	6.78E+01	6.95E-01	-1.71E-02	0.00E+00
7.40E-01	6.78E+01	7.10E-01	-2.08E-02	0.00E+00
7.60E-01	6.78E+01	8.79E-01	-1.22E-02	0.00E+00
7.80E-01	6.72E+01	9.86E-01	-8.54E-03	0.00E+00
8.00E-01	6.71E+01	4.20E-01	-1.95E-02	0.00E+00
8.20E-01	6.71E+01	7.56E-01	-2.32E-02	0.00E+00
8.40E-01	6.68E+01	7.10E-01	-3.17E-02	0.00E+00
8.60E-01	6.66E+01	8.94E-01	-1.46E-02	0.00E+00
8.80E-01	6.65E+01	7.10E-01	-1.46E-02	0.00E+00
9.00E-01	6.58E+01	7.72E-01	-4.88E-03	0.00E+00
9.20E-01	6.60E+01	5.58E-01	-1.83E-02	0.00E+00
9.40E-01	6.60E+01	1.15E+00	-1.22E-02	0.00E+00
9.60E-01	6.54E+01	8.63E-01	-8.54E-03	0.00E+00
9.80E-01	6.54E+01	7.26E-01	-2.20E-02	0.00E+00
1.00E+00	6.54E+01	7.87E-01	-2.20E-02	0.00E+00
1.02E+00	6.49E+01	9.40E-01	-2.08E-02	0.00E+00
1.04E+00	6.48E+01	9.09E-01	-8.54E-03	0.00E+00
1.06E+00	6.47E+01	1.03E+00	-4.88E-03	0.00E+00
1.08E+00	6.45E+01	6.03E-01	-7.32E-03	0.00E+00
1.10E+00	6.43E+01	7.56E-01	-1.95E-02	0.00E+00
1.12E+00	6.43E+01	9.40E-01	-2.44E-02	0.00E+00
1.14E+00	6.38E+01	8.18E-01	-1.83E-02	0.00E+00
1.16E+00	6.38E+01	7.87E-01	-4.88E-03	0.00E+00
1.18E+00	6.38E+01	3.28E-01	-2.08E-02	0.00E+00
1.20E+00	6.32E+01	6.80E-01	-2.69E-02	0.00E+00
1.22E+00	6.31E+01	9.55E-01	-4.39E-02	0.00E+00
1.24E+00	6.32E+01	9.70E-01	-1.95E-02	0.00E+00
1.26E+00	6.25E+01	8.18E-01	-4.88E-03	0.00E+00
1.28E+00	6.25E+01	5.73E-01	-1.71E-02	0.00E+00
1.30E+00	6.26E+01	8.48E-01	-1.22E-02	0.00E+00
1.32E+00	6.20E+01	8.48E-01	-3.17E-02	0.00E+00
1.34E+00	6.19E+01	8.79E-01	-1.22E-02	0.00E+00

1.36E+00	6.18E+01	9.09E-01	-9.77E-03	0.00E+00
1.38E+00	6.15E+01	8.48E-01	-1.46E-02	0.00E+00
1.40E+00	6.14E+01	7.26E-01	-2.56E-02	0.00E+00
1.42E+00	6.14E+01	9.55E-01	0.00E+00	0.00E+00
1.44E+00	6.08E+01	8.33E-01	-1.71E-02	0.00E+00
1.46E+00	6.08E+01	7.26E-01	-1.71E-02	0.00E+00
1.48E+00	6.08E+01	9.86E-01	-2.20E-02	0.00E+00
1.50E+00	6.02E+01	1.00E+00	-2.93E-02	0.00E+00
1.52E+00	6.02E+01	7.41E-01	-1.22E-02	0.00E+00
1.54E+00	6.02E+01	7.72E-01	-2.32E-02	0.00E+00
1.56E+00	5.97E+01	7.56E-01	-2.44E-02	0.00E+00
1.58E+00	5.97E+01	1.12E+00	-2.08E-02	0.00E+00
1.60E+00	5.94E+01	4.51E-01	-7.32E-03	0.00E+00
1.62E+00	5.90E+01	8.18E-01	-1.46E-02	0.00E+00
1.64E+00	5.90E+01	7.26E-01	-4.88E-03	0.00E+00
1.66E+00	5.88E+01	8.79E-01	-3.78E-02	0.00E+00
1.68E+00	5.85E+01	8.94E-01	-7.32E-03	0.00E+00
1.70E+00	5.86E+01	8.48E-01	-1.59E-02	0.00E+00
1.72E+00	5.81E+01	7.87E-01	-1.46E-02	0.00E+00
1.74E+00	5.79E+01	9.70E-01	-2.08E-02	0.00E+00
1.76E+00	5.79E+01	8.02E-01	-4.88E-03	0.00E+00
1.78E+00	5.73E+01	8.79E-01	-1.46E-02	0.00E+00
1.80E+00	5.72E+01	8.94E-01	-8.54E-03	0.00E+00
1.82E+00	5.71E+01	9.70E-01	-4.88E-03	0.00E+00
1.84E+00	5.69E+01	7.87E-01	-2.69E-02	0.00E+00
1.86E+00	5.68E+01	9.70E-01	-1.46E-02	0.00E+00
1.88E+00	5.64E+01	8.18E-01	-1.46E-02	0.00E+00
1.90E+00	5.61E+01	1.00E+00	-4.88E-03	0.00E+00
1.92E+00	5.60E+01	7.10E-01	0.00E+00	0.00E+00
1.94E+00	5.56E+01	8.48E-01	-1.46E-02	0.00E+00
1.96E+00	5.56E+01	8.18E-01	-2.20E-02	0.00E+00
1.98E+00	5.54E+01	9.40E-01	0.00E+00	0.00E+00
2.00E+00	5.48E+01	9.55E-01	-7.32E-03	0.00E+00
2.02E+00	5.49E+01	7.41E-01	-1.71E-02	0.00E+00
2.04E+00	5.46E+01	7.56E-01	-9.77E-03	0.00E+00
2.06E+00	5.45E+01	7.87E-01	-1.71E-02	0.00E+00
2.08E+00	5.43E+01	1.22E+00	-7.32E-03	0.00E+00
2.10E+00	5.38E+01	6.95E-01	1.22E-03	0.00E+00
2.12E+00	5.38E+01	7.56E-01	-1.83E-02	0.00E+00
2.14E+00	5.35E+01	7.26E-01	-2.44E-02	0.00E+00
2.16E+00	5.33E+01	1.12E+00	-2.44E-02	0.00E+00
2.18E+00	5.32E+01	9.09E-01	-1.22E-02	0.00E+00
2.20E+00	5.27E+01	6.34E-01	-1.59E-02	0.00E+00
2.22E+00	5.26E+01	8.94E-01	-1.34E-02	0.00E+00
2.24E+00	5.25E+01	6.95E-01	-4.88E-02	0.00E+00
2.26E+00	5.21E+01	9.40E-01	-1.83E-02	0.00E+00
2.28E+00	5.20E+01	9.70E-01	-1.22E-02	0.00E+00

2.30E+00	5.19E+01	8.18E-01	-1.22E-02	0.00E+00
2.32E+00	5.14E+01	7.87E-01	-2.44E-02	0.00E+00
2.34E+00	5.15E+01	8.48E-01	-2.69E-02	0.00E+00
2.36E+00	5.10E+01	6.65E-01	-3.78E-02	0.00E+00
2.38E+00	5.08E+01	9.55E-01	-2.08E-02	0.00E+00
2.40E+00	5.08E+01	7.26E-01	-8.54E-03	0.00E+00
2.42E+00	5.04E+01	9.09E-01	-2.69E-02	0.00E+00
2.44E+00	5.05E+01	9.09E-01	-1.83E-02	0.00E+00
2.46E+00	5.01E+01	9.09E-01	-1.71E-02	0.00E+00
2.48E+00	4.97E+01	9.70E-01	-4.88E-03	0.00E+00
2.50E+00	4.97E+01	7.26E-01	-8.54E-03	0.00E+00
2.52E+00	4.92E+01	7.56E-01	-2.93E-02	0.00E+00
2.54E+00	4.92E+01	8.02E-01	-1.95E-02	0.00E+00
2.56E+00	4.87E+01	8.79E-01	-1.10E-02	0.00E+00
2.58E+00	4.84E+01	7.72E-01	-2.20E-02	0.00E+00
2.60E+00	4.86E+01	1.03E+00	-2.69E-02	0.00E+00
2.62E+00	4.81E+01	7.87E-01	7.32E-03	0.00E+00
2.64E+00	4.80E+01	1.00E+00	3.66E-03	0.00E+00
2.66E+00	4.79E+01	8.48E-01	-7.32E-03	0.00E+00
2.68E+00	4.74E+01	9.09E-01	-1.22E-02	0.00E+00
2.70E+00	4.73E+01	7.41E-01	-2.93E-02	0.00E+00
2.72E+00	4.72E+01	1.09E+00	-2.20E-02	0.00E+00
2.74E+00	4.69E+01	8.48E-01	-1.83E-02	0.00E+00
2.76E+00	4.68E+01	9.25E-01	1.34E-02	0.00E+00
2.78E+00	4.63E+01	8.33E-01	-1.95E-02	0.00E+00
2.80E+00	4.62E+01	8.63E-01	-3.66E-03	0.00E+00
2.82E+00	4.59E+01	6.95E-01	-2.32E-02	0.00E+00
2.84E+00	4.56E+01	7.72E-01	-3.54E-02	0.00E+00
2.86E+00	4.57E+01	8.94E-01	-2.69E-02	0.00E+00
2.88E+00	4.51E+01	8.79E-01	-9.77E-03	0.00E+00
2.90E+00	4.50E+01	6.03E-01	-1.34E-02	0.00E+00
2.92E+00	4.46E+01	8.48E-01	-7.32E-03	0.00E+00
2.94E+00	4.45E+01	8.48E-01	-1.46E-02	0.00E+00
2.96E+00	4.42E+01	7.56E-01	-1.10E-02	0.00E+00
2.98E+00	4.39E+01	9.70E-01	-4.88E-03	0.00E+00
3.00E+00	4.37E+01	7.87E-01	-3.66E-02	0.00E+00
3.02E+00	4.34E+01	8.02E-01	-4.15E-02	0.00E+00
3.04E+00	4.34E+01	8.48E-01	-2.20E-02	0.00E+00
3.06E+00	4.29E+01	9.40E-01	-1.46E-02	0.00E+00
3.08E+00	4.26E+01	7.72E-01	-3.66E-03	0.00E+00
3.10E+00	4.23E+01	7.56E-01	-2.93E-02	0.00E+00
3.12E+00	4.22E+01	7.56E-01	-1.95E-02	0.00E+00
3.14E+00	4.21E+01	1.03E+00	-2.69E-02	0.00E+00
3.16E+00	4.16E+01	8.48E-01	0.00E+00	0.00E+00
3.18E+00	4.16E+01	8.63E-01	-7.32E-03	0.00E+00
3.20E+00	4.11E+01	7.87E-01	-9.77E-03	0.00E+00
3.22E+00	4.11E+01	7.87E-01	-2.20E-02	0.00E+00

3.24E+00	4.07E+01	8.79E-01	-1.71E-02	0.00E+00
3.26E+00	4.05E+01	8.18E-01	-1.34E-02	0.00E+00
3.28E+00	4.03E+01	8.79E-01	-1.22E-02	0.00E+00
3.30E+00	3.98E+01	8.18E-01	-4.88E-03	0.00E+00
3.32E+00	3.97E+01	6.65E-01	-4.88E-03	0.00E+00
3.34E+00	3.94E+01	7.26E-01	-2.93E-02	0.00E+00
3.36E+00	3.94E+01	8.79E-01	-2.44E-02	0.00E+00
3.38E+00	3.90E+01	9.25E-01	-2.69E-02	0.00E+00
3.40E+00	3.89E+01	1.08E+00	-4.88E-03	0.00E+00
3.42E+00	3.84E+01	7.56E-01	-1.34E-02	0.00E+00
3.44E+00	3.84E+01	8.02E-01	-1.46E-02	0.00E+00
3.46E+00	3.82E+01	7.87E-01	-2.08E-02	0.00E+00
3.48E+00	3.79E+01	8.48E-01	-3.42E-02	0.00E+00
3.50E+00	3.75E+01	9.09E-01	-1.59E-02	0.00E+00
3.52E+00	3.73E+01	8.48E-01	-1.46E-02	0.00E+00
3.54E+00	3.72E+01	7.41E-01	-1.71E-02	0.00E+00
3.56E+00	3.69E+01	7.87E-01	-1.95E-02	0.00E+00
3.58E+00	3.64E+01	7.87E-01	-3.66E-03	0.00E+00
3.60E+00	3.63E+01	6.34E-01	-1.46E-02	0.00E+00
3.62E+00	3.61E+01	6.95E-01	-1.46E-02	0.00E+00
3.64E+00	3.58E+01	8.48E-01	-1.83E-02	0.00E+00
3.66E+00	3.56E+01	4.05E-01	-1.46E-02	0.00E+00
3.68E+00	3.52E+01	6.49E-01	-1.83E-02	0.00E+00
3.70E+00	3.49E+01	8.79E-01	8.54E-03	0.00E+00
3.72E+00	3.46E+01	7.26E-01	-2.32E-02	0.00E+00
3.74E+00	3.45E+01	8.94E-01	-2.20E-02	0.00E+00
3.76E+00	3.41E+01	1.15E+00	-2.93E-02	0.00E+00
3.78E+00	3.38E+01	8.18E-01	8.54E-03	0.00E+00
3.80E+00	3.34E+01	8.48E-01	-2.69E-02	0.00E+00
3.82E+00	3.35E+01	7.56E-01	-1.10E-02	0.00E+00
3.84E+00	3.29E+01	8.79E-01	-3.78E-02	0.00E+00
3.86E+00	3.30E+01	7.26E-01	-1.71E-02	0.00E+00
3.88E+00	3.23E+01	1.03E+00	-1.71E-02	0.00E+00
3.90E+00	3.22E+01	8.79E-01	-1.22E-02	0.00E+00
3.92E+00	3.17E+01	8.18E-01	4.88E-03	0.00E+00
3.94E+00	3.18E+01	7.56E-01	-1.71E-02	0.00E+00
3.96E+00	3.12E+01	7.26E-01	-2.44E-02	0.00E+00
3.98E+00	3.12E+01	1.06E+00	-1.46E-02	0.00E+00
4.00E+00	3.05E+01	8.18E-01	-3.42E-02	0.00E+00
4.02E+00	3.06E+01	6.34E-01	-1.95E-02	0.00E+00
4.04E+00	3.00E+01	8.79E-01	-2.44E-03	0.00E+00
4.06E+00	2.99E+01	6.65E-01	-2.44E-02	0.00E+00
4.08E+00	2.95E+01	8.48E-01	-3.05E-02	0.00E+00
4.10E+00	2.94E+01	6.03E-01	-1.95E-02	0.00E+00
4.12E+00	2.91E+01	8.79E-01	-7.32E-03	0.00E+00
4.14E+00	2.87E+01	8.18E-01	-1.71E-02	0.00E+00
4.16E+00	2.85E+01	6.34E-01	-6.10E-03	0.00E+00

4.18E+00	2.83E+01	7.87E-01	-4.88E-03	0.00E+00
4.20E+00	2.79E+01	9.55E-01	-3.42E-02	0.00E+00
4.22E+00	2.77E+01	1.03E+00	-2.44E-03	0.00E+00
4.24E+00	2.73E+01	8.79E-01	-7.32E-03	0.00E+00
4.26E+00	2.70E+01	8.02E-01	-2.44E-03	0.00E+00
4.28E+00	2.65E+01	6.65E-01	-2.32E-02	0.00E+00
4.30E+00	2.65E+01	9.70E-01	-1.95E-02	0.00E+00
4.32E+00	2.60E+01	9.70E-01	-7.32E-03	0.00E+00
4.34E+00	2.56E+01	8.79E-01	-9.77E-03	0.00E+00
4.36E+00	2.53E+01	7.72E-01	4.88E-03	0.00E+00
4.38E+00	2.52E+01	6.80E-01	-3.42E-02	0.00E+00
4.40E+00	2.49E+01	8.33E-01	-2.20E-02	0.00E+00
4.42E+00	2.47E+01	1.08E+00	-1.59E-02	0.00E+00
4.44E+00	2.42E+01	9.09E-01	-1.83E-02	0.00E+00
4.46E+00	2.41E+01	7.26E-01	-9.77E-03	0.00E+00
4.48E+00	2.37E+01	1.00E+00	-2.08E-02	0.00E+00
4.50E+00	2.37E+01	7.56E-01	-2.20E-02	0.00E+00
4.52E+00	2.32E+01	8.94E-01	-1.46E-02	0.00E+00
4.54E+00	2.30E+01	8.79E-01	-3.66E-03	0.00E+00
4.56E+00	2.25E+01	7.56E-01	-2.08E-02	0.00E+00
4.58E+00	2.25E+01	7.10E-01	-2.08E-02	0.00E+00
4.60E+00	2.22E+01	6.95E-01	-2.56E-02	0.00E+00
4.62E+00	2.20E+01	8.94E-01	-2.20E-02	0.00E+00
4.64E+00	2.15E+01	9.40E-01	-7.32E-03	0.00E+00
4.66E+00	2.13E+01	9.70E-01	-7.32E-03	0.00E+00
4.68E+00	2.09E+01	4.81E-01	-1.71E-02	0.00E+00
4.70E+00	2.07E+01	6.34E-01	-1.95E-02	0.00E+00
4.72E+00	2.05E+01	9.09E-01	-3.42E-02	0.00E+00
4.74E+00	2.01E+01	9.40E-01	-2.69E-02	0.00E+00
4.76E+00	1.98E+01	8.79E-01	-1.71E-02	0.00E+00
4.78E+00	1.94E+01	6.95E-01	1.22E-03	0.00E+00
4.80E+00	1.91E+01	7.87E-01	-1.95E-02	0.00E+00
4.82E+00	1.90E+01	7.87E-01	-2.44E-02	0.00E+00
4.84E+00	1.87E+01	7.72E-01	-4.15E-02	0.00E+00
4.86E+00	1.85E+01	9.09E-01	-3.66E-02	0.00E+00
4.88E+00	1.80E+01	9.25E-01	-4.88E-03	0.00E+00
4.90E+00	1.78E+01	8.02E-01	-1.71E-02	0.00E+00
4.92E+00	1.75E+01	8.79E-01	-9.77E-03	0.00E+00
4.94E+00	1.73E+01	7.56E-01	-2.69E-02	0.00E+00
4.96E+00	1.70E+01	1.12E+00	-1.46E-02	0.00E+00
4.98E+00	1.66E+01	7.87E-01	-2.81E-02	0.00E+00
5.00E+00	1.64E+01	7.72E-01	-4.88E-03	0.00E+00
5.02E+00	1.60E+01	7.87E-01	-1.22E-02	0.00E+00
5.04E+00	1.59E+01	6.95E-01	-3.91E-02	0.00E+00
5.06E+00	1.57E+01	8.79E-01	-2.20E-02	0.00E+00
5.08E+00	1.53E+01	1.09E+00	-1.46E-02	0.00E+00
5.10E+00	1.49E+01	8.33E-01	-1.10E-02	0.00E+00

5.12E+00	1.46E+01	6.65E-01	-9.77E-03	0.00E+00
5.14E+00	1.43E+01	5.42E-01	-2.44E-02	0.00E+00
5.16E+00	1.44E+01	7.56E-01	-2.44E-02	0.00E+00
5.18E+00	1.39E+01	9.40E-01	-9.77E-03	0.00E+00
5.20E+00	1.37E+01	8.33E-01	-3.66E-03	0.00E+00
5.22E+00	1.32E+01	5.42E-01	-1.46E-02	0.00E+00
5.24E+00	1.31E+01	5.88E-01	-1.22E-02	0.00E+00
5.26E+00	1.27E+01	9.25E-01	-2.20E-02	0.00E+00
5.28E+00	1.26E+01	8.94E-01	-1.34E-02	0.00E+00
5.30E+00	1.21E+01	6.34E-01	-2.93E-02	0.00E+00
5.32E+00	1.20E+01	7.72E-01	-2.20E-02	0.00E+00
5.34E+00	1.16E+01	7.87E-01	-2.69E-02	0.00E+00
5.36E+00	1.15E+01	9.25E-01	-2.93E-02	0.00E+00
5.38E+00	1.12E+01	9.70E-01	-8.54E-03	0.00E+00
5.40E+00	1.08E+01	1.03E+00	-1.95E-02	0.00E+00
5.42E+00	1.06E+01	9.40E-01	-1.71E-02	0.00E+00
5.44E+00	1.03E+01	6.80E-01	-4.15E-02	0.00E+00
5.46E+00	1.03E+01	9.70E-01	-2.81E-02	0.00E+00
5.48E+00	9.69E+00	8.79E-01	-1.83E-02	0.00E+00
5.50E+00	9.79E+00	8.94E-01	-1.22E-02	0.00E+00
5.52E+00	9.10E+00	7.72E-01	-2.44E-03	0.00E+00
5.54E+00	9.16E+00	9.86E-01	-1.95E-02	0.00E+00
5.56E+00	9.15E+00	8.18E-01	-2.44E-03	0.00E+00
5.58E+00	9.13E+00	8.79E-01	-1.95E-02	0.00E+00
5.60E+00	9.00E+00	7.87E-01	-2.44E-03	0.00E+00
5.62E+00	9.08E+00	8.48E-01	-2.44E-02	0.00E+00
5.64E+00	9.13E+00	6.95E-01	-3.05E-02	0.00E+00
5.66E+00	9.31E+00	8.33E-01	-1.71E-02	0.00E+00
5.68E+00	9.46E+00	1.18E+00	-1.22E-02	0.00E+00
5.70E+00	9.50E+00	7.87E-01	1.22E-03	0.00E+00
5.72E+00	9.59E+00	6.34E-01	-2.20E-02	0.00E+00
5.74E+00	1.00E+01	8.48E-01	-1.83E-02	0.00E+00
5.76E+00	1.04E+01	8.18E-01	-1.95E-02	0.00E+00
5.78E+00	1.06E+01	9.09E-01	-3.17E-02	0.00E+00
5.80E+00	1.15E+01	9.55E-01	-6.10E-03	0.00E+00
5.82E+00	1.20E+01	8.02E-01	-1.22E-02	0.00E+00
5.84E+00	1.20E+01	7.56E-01	-3.66E-03	0.00E+00
5.86E+00	1.22E+01	5.58E-01	-1.83E-02	0.00E+00
5.88E+00	1.28E+01	8.94E-01	-1.95E-02	0.00E+00
5.90E+00	1.27E+01	8.18E-01	-3.42E-02	0.00E+00
5.92E+00	1.32E+01	8.33E-01	-3.17E-02	0.00E+00
5.94E+00	1.32E+01	9.55E-01	-1.34E-02	0.00E+00
5.96E+00	1.31E+01	8.18E-01	-1.10E-02	0.00E+00
5.98E+00	1.32E+01	9.09E-01	-1.71E-02	0.00E+00
6.00E+00	1.32E+01	7.87E-01	-2.44E-02	0.00E+00
6.02E+00	1.33E+01	8.79E-01	-3.66E-02	0.00E+00
6.04E+00	1.27E+01	8.02E-01	0.00E+00	0.00E+00

6.06E+00	1.29E+01	7.87E-01	-1.22E-02	0.00E+00
6.08E+00	1.26E+01	9.40E-01	-7.32E-03	0.00E+00
6.10E+00	1.23E+01	7.72E-01	-9.77E-03	0.00E+00
6.12E+00	1.25E+01	9.25E-01	-3.17E-02	0.00E+00
6.14E+00	1.21E+01	6.34E-01	-2.44E-02	0.00E+00
6.16E+00	1.21E+01	8.79E-01	-2.20E-02	0.00E+00
6.18E+00	1.20E+01	7.87E-01	2.44E-03	0.00E+00
6.20E+00	1.20E+01	6.03E-01	-1.71E-02	0.00E+00
6.22E+00	1.21E+01	8.63E-01	-2.20E-02	0.00E+00
6.24E+00	1.22E+01	8.48E-01	-2.44E-02	0.00E+00
6.26E+00	1.22E+01	9.70E-01	-1.22E-02	0.00E+00
6.28E+00	1.21E+01	7.56E-01	-9.77E-03	0.00E+00
6.30E+00	1.21E+01	6.65E-01	-4.88E-03	0.00E+00
6.32E+00	1.20E+01	7.72E-01	-8.54E-03	0.00E+00
6.34E+00	1.21E+01	6.34E-01	-2.44E-02	0.00E+00
6.36E+00	1.24E+01	9.25E-01	-1.95E-02	0.00E+00
6.38E+00	1.25E+01	8.48E-01	-1.95E-02	0.00E+00
6.40E+00	1.26E+01	7.56E-01	-1.71E-02	0.00E+00
6.42E+00	1.25E+01	7.10E-01	-7.32E-03	0.00E+00
6.44E+00	1.25E+01	6.19E-01	-2.56E-02	0.00E+00
6.46E+00	1.26E+01	1.05E+00	-1.83E-02	0.00E+00
6.48E+00	1.26E+01	8.48E-01	-1.46E-02	0.00E+00
6.50E+00	1.25E+01	8.18E-01	-3.17E-02	0.00E+00
6.52E+00	1.25E+01	8.18E-01	-7.32E-03	0.00E+00
6.54E+00	1.26E+01	7.26E-01	-1.95E-02	0.00E+00
6.56E+00	1.26E+01	8.18E-01	-1.46E-02	0.00E+00
6.58E+00	1.27E+01	8.48E-01	-2.08E-02	0.00E+00
6.60E+00	1.25E+01	9.55E-01	-7.32E-03	0.00E+00
6.62E+00	1.25E+01	7.26E-01	-1.71E-02	0.00E+00
6.64E+00	1.25E+01	6.95E-01	-4.88E-03	0.00E+00
6.66E+00	1.26E+01	9.09E-01	-1.71E-02	0.00E+00
6.68E+00	1.27E+01	8.79E-01	-2.93E-02	0.00E+00
6.70E+00	1.26E+01	9.25E-01	-3.66E-03	0.00E+00
6.72E+00	1.26E+01	9.25E-01	-1.22E-02	0.00E+00
6.74E+00	1.26E+01	8.18E-01	-7.32E-03	0.00E+00
6.76E+00	1.26E+01	6.34E-01	-7.32E-03	0.00E+00
6.78E+00	1.25E+01	1.12E+00	-2.20E-02	0.00E+00
6.80E+00	1.26E+01	9.40E-01	-2.08E-02	0.00E+00
6.82E+00	1.26E+01	8.18E-01	-3.30E-02	0.00E+00
6.84E+00	1.25E+01	7.10E-01	-9.77E-03	0.00E+00
6.86E+00	1.26E+01	7.56E-01	-2.44E-02	0.00E+00
6.88E+00	1.26E+01	7.72E-01	-1.95E-02	0.00E+00
6.90E+00	1.25E+01	8.79E-01	-2.56E-02	0.00E+00
6.92E+00	1.26E+01	1.17E+00	-1.34E-02	0.00E+00
6.94E+00	1.25E+01	6.65E-01	-1.46E-02	0.00E+00
6.96E+00	1.25E+01	6.95E-01	-4.88E-03	0.00E+00
6.98E+00	1.25E+01	6.95E-01	-2.20E-02	0.00E+00

7.00E+00	1.26E+01	7.26E-01	-2.93E-02	0.00E+00
7.02E+00	1.25E+01	8.48E-01	-9.77E-03	0.00E+00
7.04E+00	1.26E+01	8.33E-01	-7.32E-03	0.00E+00
7.06E+00	1.26E+01	1.03E+00	-1.22E-02	0.00E+00
7.08E+00	1.25E+01	6.80E-01	-7.32E-03	0.00E+00
7.10E+00	1.26E+01	6.80E-01	-2.69E-02	0.00E+00
7.12E+00	1.26E+01	6.03E-01	-2.69E-02	0.00E+00
7.14E+00	1.26E+01	8.33E-01	-1.95E-02	0.00E+00
7.16E+00	1.26E+01	9.70E-01	-2.44E-03	0.00E+00
7.18E+00	1.25E+01	9.40E-01	0.00E+00	0.00E+00
7.20E+00	1.25E+01	6.80E-01	-1.46E-02	0.00E+00
7.22E+00	1.25E+01	7.56E-01	-1.59E-02	0.00E+00
7.24E+00	1.26E+01	6.95E-01	-2.81E-02	0.00E+00
7.26E+00	1.27E+01	8.63E-01	-3.05E-02	0.00E+00
7.28E+00	1.26E+01	9.09E-01	-7.32E-03	0.00E+00
7.30E+00	1.26E+01	7.72E-01	-1.46E-02	0.00E+00
7.32E+00	1.26E+01	9.09E-01	-1.95E-02	0.00E+00
7.34E+00	1.25E+01	8.48E-01	-1.22E-03	0.00E+00
7.36E+00	1.24E+01	5.12E-01	-7.32E-03	0.00E+00
7.38E+00	1.25E+01	6.03E-01	-2.69E-02	0.00E+00
7.40E+00	1.26E+01	7.72E-01	-1.71E-02	0.00E+00
7.42E+00	1.26E+01	7.87E-01	-3.78E-02	0.00E+00
7.44E+00	1.22E+01	8.79E-01	-1.22E-02	0.00E+00
7.46E+00	1.20E+01	7.26E-01	-9.77E-03	0.00E+00
7.48E+00	1.22E+01	8.48E-01	-9.77E-03	0.00E+00
7.50E+00	1.21E+01	6.03E-01	-1.22E-02	0.00E+00
7.52E+00	1.21E+01	6.49E-01	-2.20E-02	0.00E+00
7.54E+00	1.21E+01	7.26E-01	-9.77E-03	0.00E+00
7.56E+00	1.20E+01	8.48E-01	-1.95E-02	0.00E+00
7.58E+00	1.21E+01	8.18E-01	-1.71E-02	0.00E+00
7.60E+00	1.14E+01	8.48E-01	0.00E+00	0.00E+00
7.62E+00	1.12E+01	6.95E-01	-1.22E-02	0.00E+00
7.64E+00	1.11E+01	7.87E-01	-2.81E-02	0.00E+00
7.66E+00	1.15E+01	8.18E-01	-2.20E-02	0.00E+00
7.68E+00	1.10E+01	9.40E-01	-4.15E-02	0.00E+00
7.70E+00	1.02E+01	8.33E-01	2.44E-03	0.00E+00
7.72E+00	1.06E+01	6.95E-01	-9.77E-03	0.00E+00
7.74E+00	1.05E+01	7.56E-01	-1.46E-02	0.00E+00
7.76E+00	1.02E+01	7.56E-01	-1.22E-02	0.00E+00
7.78E+00	9.91E+00	8.18E-01	-2.93E-02	0.00E+00
7.80E+00	1.01E+01	8.94E-01	-5.13E-02	0.00E+00
7.82E+00	1.01E+01	8.48E-01	-3.30E-02	0.00E+00
7.84E+00	9.68E+00	1.00E+00	-1.46E-02	0.00E+00
7.86E+00	9.49E+00	9.25E-01	-3.66E-03	0.00E+00
7.88E+00	9.56E+00	8.33E-01	-6.10E-03	0.00E+00
7.90E+00	9.74E+00	1.00E+00	-7.32E-03	0.00E+00
7.92E+00	9.66E+00	8.48E-01	-1.46E-02	0.00E+00

7.94E+00	9.74E+00	6.49E-01	-3.91E-02	0.00E+00
7.96E+00	9.78E+00	8.79E-01	-2.44E-02	0.00E+00
7.98E+00	9.61E+00	7.26E-01	-1.95E-02	0.00E+00
8.00E+00	9.55E+00	1.03E+00	-8.54E-03	0.00E+00
8.02E+00	9.59E+00	6.95E-01	-1.22E-02	0.00E+00
8.04E+00	1.00E+01	7.56E-01	-1.71E-02	0.00E+00
8.06E+00	1.00E+01	8.48E-01	-9.77E-03	0.00E+00
8.08E+00	1.07E+01	8.18E-01	-3.17E-02	0.00E+00
8.10E+00	1.07E+01	9.55E-01	-2.20E-02	0.00E+00
8.12E+00	1.11E+01	8.33E-01	-1.22E-02	0.00E+00
8.14E+00	1.18E+01	8.18E-01	-1.10E-02	0.00E+00
8.16E+00	1.20E+01	5.73E-01	-1.46E-02	0.00E+00
8.18E+00	1.22E+01	8.94E-01	-8.54E-03	0.00E+00
8.20E+00	1.27E+01	6.65E-01	-2.44E-03	0.00E+00
8.22E+00	1.27E+01	8.18E-01	-1.71E-02	0.00E+00
8.24E+00	1.29E+01	7.26E-01	-1.95E-02	0.00E+00
8.26E+00	1.32E+01	8.79E-01	-4.15E-02	0.00E+00
8.28E+00	1.32E+01	9.86E-01	-2.44E-03	0.00E+00
8.30E+00	1.31E+01	6.65E-01	-1.46E-02	0.00E+00
8.32E+00	1.32E+01	6.65E-01	3.66E-03	0.00E+00
8.34E+00	1.30E+01	6.65E-01	-1.59E-02	0.00E+00
8.36E+00	1.31E+01	1.05E+00	-2.69E-02	0.00E+00
8.38E+00	1.27E+01	7.56E-01	-2.20E-02	0.00E+00
8.40E+00	1.30E+01	8.48E-01	-2.44E-03	0.00E+00
8.42E+00	1.26E+01	1.11E+00	-8.54E-03	0.00E+00
8.44E+00	1.23E+01	7.26E-01	-8.54E-03	0.00E+00
8.46E+00	1.22E+01	8.48E-01	-3.78E-02	0.00E+00
8.48E+00	1.24E+01	8.33E-01	-2.81E-02	0.00E+00
8.50E+00	1.25E+01	1.03E+00	-2.44E-02	0.00E+00
8.52E+00	1.26E+01	1.03E+00	-1.46E-02	0.00E+00
8.54E+00	1.24E+01	7.56E-01	-1.10E-02	0.00E+00
8.56E+00	1.24E+01	7.56E-01	-1.71E-02	0.00E+00
8.58E+00	1.22E+01	7.72E-01	-4.88E-03	0.00E+00
8.60E+00	1.21E+01	6.95E-01	-1.95E-02	0.00E+00
8.62E+00	1.22E+01	8.94E-01	-2.20E-02	0.00E+00
8.64E+00	1.25E+01	8.18E-01	-1.71E-02	0.00E+00
8.66E+00	1.25E+01	7.41E-01	-7.32E-03	0.00E+00
8.68E+00	1.25E+01	4.81E-01	-2.56E-02	0.00E+00
8.70E+00	1.27E+01	7.87E-01	-3.05E-02	0.00E+00
8.72E+00	1.26E+01	8.18E-01	-5.13E-02	0.00E+00
8.74E+00	1.27E+01	8.48E-01	-2.93E-02	0.00E+00
8.76E+00	1.26E+01	1.11E+00	-9.77E-03	0.00E+00
8.78E+00	1.24E+01	6.65E-01	-1.10E-02	0.00E+00
8.80E+00	1.26E+01	7.26E-01	-6.10E-03	0.00E+00
8.82E+00	1.25E+01	8.79E-01	-2.44E-02	0.00E+00
8.84E+00	1.27E+01	1.00E+00	-3.66E-02	0.00E+00
8.86E+00	1.26E+01	9.09E-01	-1.83E-02	0.00E+00

8.88E+00	1.25E+01	6.34E-01	-7.32E-03	0.00E+00
8.90E+00	1.25E+01	7.41E-01	-9.77E-03	0.00E+00
8.92E+00	1.26E+01	6.49E-01	-2.20E-02	0.00E+00
8.94E+00	1.26E+01	5.42E-01	-2.81E-02	0.00E+00
8.96E+00	1.26E+01	9.09E-01	-1.71E-02	0.00E+00
8.98E+00	1.26E+01	9.70E-01	4.88E-03	0.00E+00
9.00E+00	1.24E+01	6.95E-01	-4.88E-03	0.00E+00
9.02E+00	1.26E+01	6.65E-01	-2.20E-02	0.00E+00
9.04E+00	1.26E+01	8.48E-01	-2.44E-02	0.00E+00
9.06E+00	1.27E+01	8.18E-01	-1.59E-02	0.00E+00
9.08E+00	1.26E+01	6.34E-01	-1.95E-02	0.00E+00
9.10E+00	1.25E+01	8.79E-01	3.66E-03	0.00E+00
9.12E+00	1.27E+01	1.09E+00	-1.34E-02	0.00E+00
9.14E+00	1.25E+01	8.79E-01	-2.20E-02	0.00E+00
9.16E+00	1.26E+01	8.79E-01	-2.93E-02	0.00E+00
9.18E+00	1.26E+01	8.79E-01	-7.32E-03	0.00E+00
9.20E+00	1.25E+01	9.25E-01	-9.77E-03	0.00E+00
9.22E+00	1.24E+01	7.56E-01	-1.46E-02	0.00E+00
9.24E+00	1.25E+01	7.56E-01	-1.71E-02	0.00E+00
9.26E+00	1.26E+01	6.03E-01	-3.17E-02	0.00E+00
9.28E+00	1.26E+01	9.40E-01	-4.15E-02	0.00E+00
9.30E+00	1.26E+01	7.41E-01	-2.44E-02	0.00E+00
9.32E+00	1.25E+01	9.09E-01	-7.32E-03	0.00E+00
9.34E+00	1.25E+01	8.33E-01	-3.66E-03	0.00E+00
9.36E+00	1.24E+01	5.42E-01	-2.08E-02	0.00E+00
9.38E+00	1.27E+01	5.42E-01	-1.95E-02	0.00E+00
9.40E+00	1.26E+01	8.48E-01	-1.95E-02	0.00E+00
9.42E+00	1.26E+01	9.09E-01	-4.27E-02	0.00E+00
9.44E+00	1.24E+01	7.72E-01	-1.22E-02	0.00E+00
9.46E+00	1.26E+01	7.56E-01	-1.22E-02	0.00E+00
9.48E+00	1.26E+01	6.34E-01	-1.59E-02	0.00E+00
9.50E+00	1.26E+01	8.18E-01	-2.32E-02	0.00E+00
9.52E+00	1.25E+01	1.00E+00	-1.71E-02	0.00E+00
9.54E+00	1.25E+01	9.40E-01	7.32E-03	0.00E+00
9.56E+00	1.25E+01	7.72E-01	-2.20E-02	0.00E+00
9.58E+00	1.25E+01	6.95E-01	-9.77E-03	0.00E+00
9.60E+00	1.26E+01	7.26E-01	-2.20E-02	0.00E+00
9.62E+00	1.27E+01	9.09E-01	-1.71E-02	0.00E+00
9.64E+00	1.26E+01	1.18E+00	-1.46E-02	0.00E+00
9.66E+00	1.26E+01	8.63E-01	-9.77E-03	0.00E+00
9.68E+00	1.25E+01	7.41E-01	1.71E-02	0.00E+00
9.70E+00	1.26E+01	6.34E-01	-9.77E-03	0.00E+00
9.72E+00	1.26E+01	9.09E-01	-1.46E-02	0.00E+00
9.74E+00	1.25E+01	7.87E-01	-4.52E-02	0.00E+00
9.76E+00	1.26E+01	8.48E-01	-2.44E-02	0.00E+00
9.78E+00	1.25E+01	8.18E-01	-7.32E-03	0.00E+00
9.80E+00	1.21E+01	7.87E-01	-2.44E-02	0.00E+00

9.82E+00	1.23E+01	7.10E-01	-1.34E-02	0.00E+00
9.84E+00	1.26E+01	9.25E-01	-2.81E-02	0.00E+00
9.86E+00	1.21E+01	9.09E-01	-3.66E-02	0.00E+00
9.88E+00	1.20E+01	8.02E-01	-2.20E-02	0.00E+00
9.90E+00	1.20E+01	8.94E-01	-1.34E-02	0.00E+00
9.92E+00	1.19E+01	7.72E-01	-9.77E-03	0.00E+00
9.94E+00	1.17E+01	7.10E-01	-1.83E-02	0.00E+00
9.96E+00	1.14E+01	4.81E-01	-2.20E-02	0.00E+00
9.98E+00	1.10E+01	7.87E-01	-2.44E-02	0.00E+00
1.00E+01	1.14E+01	8.79E-01	-2.44E-02	0.00E+00
1.00E+01	1.10E+01	5.42E-01	-1.46E-02	0.00E+00
1.00E+01	1.04E+01	7.56E-01	-1.71E-02	0.00E+00
1.01E+01	1.08E+01	8.63E-01	-1.83E-02	0.00E+00
1.01E+01	1.07E+01	1.08E+00	-7.32E-03	0.00E+00
1.01E+01	1.01E+01	4.51E-01	-9.77E-03	0.00E+00
1.01E+01	9.89E+00	8.33E-01	1.34E-02	0.00E+00
1.01E+01	1.01E+01	7.56E-01	4.88E-03	0.00E+00
1.02E+01	1.02E+01	8.18E-01	-3.05E-02	0.00E+00
1.02E+01	9.80E+00	9.70E-01	-9.77E-03	0.00E+00
1.02E+01	9.42E+00	7.87E-01	-4.88E-03	0.00E+00
1.02E+01	9.46E+00	3.28E-01	-1.46E-02	0.00E+00
1.02E+01	9.66E+00	5.42E-01	-1.46E-02	0.00E+00
1.03E+01	9.60E+00	7.72E-01	-1.95E-02	0.00E+00
1.03E+01	9.26E+00	9.09E-01	-1.22E-02	0.00E+00
1.03E+01	9.10E+00	1.00E+00	-1.10E-02	0.00E+00
1.03E+01	8.87E+00	6.34E-01	-1.22E-02	0.00E+00
1.03E+01	9.11E+00	2.67E-01	-1.71E-02	0.00E+00
1.04E+01	9.17E+00	8.48E-01	-2.20E-02	0.00E+00
1.04E+01	9.12E+00	6.80E-01	-4.15E-02	0.00E+00
1.04E+01	9.04E+00	7.26E-01	-4.15E-02	0.00E+00
1.04E+01	9.31E+00	6.65E-01	-9.77E-03	0.00E+00
1.04E+01	9.42E+00	7.72E-01	-1.95E-02	0.00E+00
1.05E+01	9.36E+00	7.26E-01	-3.05E-02	0.00E+00
1.05E+01	9.66E+00	4.51E-01	-2.93E-02	0.00E+00
1.05E+01	9.76E+00	7.10E-01	-4.88E-03	0.00E+00
1.05E+01	1.02E+01	8.48E-01	1.22E-02	0.00E+00
1.05E+01	9.77E+00	8.94E-01	-4.88E-03	0.00E+00
1.06E+01	1.02E+01	8.94E-01	-7.32E-03	0.00E+00
1.06E+01	1.04E+01	6.65E-01	-1.95E-02	0.00E+00
1.06E+01	1.02E+01	5.88E-01	-2.69E-02	0.00E+00
1.06E+01	1.09E+01	7.10E-01	-2.20E-02	0.00E+00
1.06E+01	1.12E+01	1.00E+00	7.32E-03	0.00E+00
1.07E+01	1.10E+01	7.87E-01	-1.22E-02	0.00E+00
1.07E+01	1.14E+01	6.34E-01	-1.71E-02	0.00E+00
1.07E+01	1.21E+01	7.41E-01	-1.95E-02	0.00E+00
1.07E+01	1.20E+01	7.87E-01	-3.42E-02	0.00E+00
1.07E+01	1.21E+01	8.79E-01	-3.17E-02	0.00E+00

1.08E+01	1.20E+01	8.48E-01	-2.81E-02	0.00E+00
1.08E+01	1.20E+01	7.10E-01	-8.54E-03	0.00E+00
1.08E+01	1.20E+01	8.18E-01	-7.32E-03	0.00E+00
1.08E+01	1.22E+01	7.87E-01	-1.46E-02	0.00E+00
1.08E+01	1.26E+01	6.95E-01	-3.54E-02	0.00E+00
1.09E+01	1.25E+01	8.63E-01	-1.46E-02	0.00E+00
1.09E+01	1.27E+01	1.08E+00	-1.46E-02	0.00E+00
1.09E+01	1.27E+01	8.18E-01	-1.59E-02	0.00E+00
1.09E+01	1.25E+01	8.48E-01	-7.32E-03	0.00E+00
1.09E+01	1.26E+01	6.65E-01	-1.10E-02	0.00E+00
1.10E+01	1.28E+01	6.65E-01	-1.46E-02	0.00E+00
1.10E+01	1.32E+01	6.95E-01	-4.88E-03	0.00E+00
1.10E+01	1.33E+01	8.18E-01	-2.44E-02	0.00E+00
1.10E+01	1.32E+01	1.09E+00	-7.32E-03	0.00E+00
1.10E+01	1.32E+01	8.63E-01	-3.42E-02	0.00E+00
1.11E+01	1.36E+01	8.18E-01	-9.77E-03	0.00E+00
1.11E+01	1.37E+01	8.18E-01	-1.71E-02	0.00E+00
1.11E+01	1.38E+01	7.56E-01	-1.34E-02	0.00E+00
1.11E+01	1.41E+01	7.72E-01	-1.71E-02	0.00E+00
1.11E+01	1.43E+01	7.56E-01	-1.71E-02	0.00E+00
1.12E+01	1.43E+01	1.12E+00	-4.88E-03	0.00E+00
1.12E+01	1.44E+01	6.80E-01	-9.77E-03	0.00E+00
1.12E+01	1.49E+01	6.34E-01	-2.56E-02	0.00E+00
1.12E+01	1.50E+01	8.02E-01	-2.08E-02	0.00E+00
1.12E+01	1.50E+01	8.18E-01	-4.03E-02	0.00E+00
1.13E+01	1.53E+01	1.03E+00	-4.88E-03	0.00E+00
1.13E+01	1.55E+01	6.19E-01	-1.10E-02	0.00E+00
1.13E+01	1.56E+01	7.56E-01	-7.32E-03	0.00E+00
1.13E+01	1.55E+01	6.34E-01	-1.46E-02	0.00E+00
1.13E+01	1.59E+01	6.80E-01	-2.69E-02	0.00E+00
1.14E+01	1.61E+01	8.63E-01	-7.32E-03	0.00E+00
1.14E+01	1.61E+01	7.56E-01	-1.46E-02	0.00E+00
1.14E+01	1.60E+01	5.73E-01	-9.77E-03	0.00E+00
1.14E+01	1.61E+01	6.65E-01	-4.03E-02	0.00E+00
1.14E+01	1.68E+01	8.02E-01	-4.88E-03	0.00E+00
1.15E+01	1.67E+01	7.41E-01	-1.71E-02	0.00E+00
1.15E+01	1.66E+01	8.79E-01	-7.32E-03	0.00E+00
1.15E+01	1.69E+01	6.65E-01	-2.44E-02	0.00E+00
1.15E+01	1.73E+01	7.41E-01	-2.20E-02	0.00E+00
1.15E+01	1.73E+01	8.79E-01	-1.83E-02	0.00E+00
1.16E+01	1.77E+01	8.33E-01	-3.78E-02	0.00E+00
1.16E+01	1.79E+01	9.09E-01	-1.71E-02	0.00E+00
1.16E+01	1.78E+01	6.34E-01	-9.77E-03	0.00E+00
1.16E+01	1.82E+01	7.56E-01	-7.32E-03	0.00E+00
1.16E+01	1.85E+01	4.51E-01	-9.77E-03	0.00E+00
1.17E+01	1.84E+01	4.51E-01	-1.83E-02	0.00E+00
1.17E+01	1.90E+01	6.80E-01	-5.13E-02	0.00E+00

1.17E+01	1.90E+01	7.56E-01	-6.10E-03	0.00E+00
1.17E+01	1.90E+01	9.70E-01	-1.71E-02	0.00E+00
1.17E+01	1.95E+01	9.55E-01	-7.32E-03	0.00E+00
1.18E+01	1.96E+01	7.56E-01	-3.30E-02	0.00E+00
1.18E+01	1.96E+01	1.09E+00	-1.22E-02	0.00E+00
1.18E+01	1.97E+01	8.48E-01	-1.71E-02	0.00E+00
1.18E+01	2.01E+01	8.63E-01	-2.20E-02	0.00E+00
1.18E+01	2.01E+01	8.48E-01	-6.10E-03	0.00E+00
1.19E+01	2.02E+01	6.80E-01	-1.34E-02	0.00E+00
1.19E+01	2.06E+01	7.87E-01	0.00E+00	0.00E+00
1.19E+01	2.08E+01	9.09E-01	-2.69E-02	0.00E+00
1.19E+01	2.08E+01	9.70E-01	-2.08E-02	0.00E+00
1.19E+01	2.13E+01	8.18E-01	-3.17E-02	0.00E+00
1.20E+01	2.12E+01	7.56E-01	-1.22E-02	0.00E+00
1.20E+01	2.16E+01	7.87E-01	-1.71E-02	0.00E+00
1.20E+01	2.19E+01	6.34E-01	-3.17E-02	0.00E+00
1.20E+01	2.20E+01	7.87E-01	-1.46E-02	0.00E+00
1.20E+01	2.25E+01	6.34E-01	-1.59E-02	0.00E+00
1.21E+01	2.24E+01	8.94E-01	-2.20E-02	0.00E+00
1.21E+01	2.24E+01	7.56E-01	-1.71E-02	0.00E+00
1.21E+01	2.31E+01	8.63E-01	-2.08E-02	0.00E+00
1.21E+01	2.31E+01	8.18E-01	-2.32E-02	0.00E+00
1.21E+01	2.32E+01	8.94E-01	-1.71E-02	0.00E+00
1.22E+01	2.36E+01	1.00E+00	0.00E+00	0.00E+00
1.22E+01	2.36E+01	7.56E-01	-1.46E-02	0.00E+00
1.22E+01	2.39E+01	7.56E-01	0.00E+00	0.00E+00
1.22E+01	2.42E+01	6.95E-01	-1.46E-02	0.00E+00
1.22E+01	2.43E+01	1.00E+00	-2.56E-02	0.00E+00
1.23E+01	2.46E+01	9.09E-01	7.32E-03	0.00E+00
1.23E+01	2.48E+01	7.72E-01	-9.77E-03	0.00E+00
1.23E+01	2.47E+01	6.95E-01	-1.46E-02	0.00E+00
1.23E+01	2.52E+01	6.19E-01	-3.54E-02	0.00E+00
1.23E+01	2.55E+01	1.12E+00	-9.77E-03	0.00E+00
1.24E+01	2.54E+01	9.40E-01	-1.46E-02	0.00E+00
1.24E+01	2.59E+01	8.48E-01	-7.32E-03	0.00E+00
1.24E+01	2.58E+01	6.03E-01	-2.93E-02	0.00E+00
1.24E+01	2.62E+01	8.48E-01	-2.44E-02	0.00E+00
1.24E+01	2.66E+01	6.65E-01	-2.32E-02	0.00E+00
1.25E+01	2.67E+01	7.26E-01	-3.42E-02	0.00E+00
1.25E+01	2.72E+01	8.79E-01	-1.71E-02	0.00E+00
1.25E+01	2.71E+01	7.87E-01	-2.32E-02	0.00E+00
1.25E+01	2.77E+01	6.95E-01	-1.22E-02	0.00E+00
1.25E+01	2.77E+01	7.26E-01	-6.10E-03	0.00E+00
1.26E+01	2.81E+01	6.03E-01	-2.93E-02	0.00E+00
1.26E+01	2.82E+01	8.79E-01	-2.32E-02	0.00E+00
1.26E+01	2.83E+01	1.25E+00	-4.88E-03	0.00E+00
1.26E+01	2.88E+01	7.87E-01	-1.34E-02	0.00E+00

1.26E+01	2.88E+01	6.84E+00	-3.54E-02	0.00E+00
1.27E+01	2.91E+01	8.40E+00	-1.71E-02	0.00E+00
1.27E+01	2.94E+01	1.58E+01	-1.95E-02	0.00E+00
1.27E+01	2.94E+01	1.85E+01	-2.20E-02	0.00E+00
1.27E+01	2.96E+01	1.63E+01	-3.17E-02	0.00E+00
1.27E+01	2.94E+01	1.15E+01	0.00E+00	0.00E+00
1.28E+01	2.94E+01	9.10E+00	-4.64E-02	0.00E+00
1.28E+01	2.94E+01	8.00E+00	-1.34E-02	0.00E+00
1.28E+01	2.95E+01	9.69E+00	-2.93E-02	0.00E+00
1.28E+01	2.95E+01	1.29E+01	-1.59E-02	0.00E+00
1.28E+01	2.95E+01	1.47E+01	-1.46E-02	0.00E+00
1.29E+01	2.94E+01	1.49E+01	-9.77E-03	0.00E+00
1.29E+01	2.94E+01	1.39E+01	-1.95E-02	0.00E+00
1.29E+01	2.95E+01	1.26E+01	-3.78E-02	0.00E+00
1.29E+01	2.95E+01	1.22E+01	-3.17E-02	0.00E+00
1.29E+01	2.94E+01	1.40E+01	-1.22E-02	0.00E+00
1.30E+01	2.92E+01	1.45E+01	-1.10E-02	0.00E+00
1.30E+01	2.95E+01	1.59E+01	-1.71E-02	0.00E+00
1.30E+01	3.00E+01	1.77E+01	-3.17E-02	0.00E+00
1.30E+01	3.00E+01	1.95E+01	-3.17E-02	0.00E+00
1.30E+01	3.00E+01	2.24E+01	-3.54E-02	0.00E+00
1.31E+01	3.01E+01	2.44E+01	-8.54E-03	0.00E+00
1.31E+01	3.02E+01	2.62E+01	-1.46E-02	0.00E+00
1.31E+01	3.06E+01	2.96E+01	-1.95E-02	0.00E+00
1.31E+01	3.06E+01	3.23E+01	-2.20E-02	0.00E+00
1.31E+01	3.06E+01	3.33E+01	-3.17E-02	0.00E+00
1.32E+01	3.07E+01	3.44E+01	-3.91E-02	0.00E+00
1.32E+01	3.05E+01	3.52E+01	-2.20E-02	0.00E+00
1.32E+01	3.12E+01	3.62E+01	-1.34E-02	0.00E+00
1.32E+01	3.11E+01	3.81E+01	-9.77E-03	0.00E+00
1.32E+01	3.11E+01	3.95E+01	-3.17E-02	0.00E+00
1.33E+01	3.12E+01	3.87E+01	-3.05E-02	0.00E+00
1.33E+01	3.12E+01	3.69E+01	-2.69E-02	0.00E+00
1.33E+01	3.11E+01	3.43E+01	-8.54E-03	0.00E+00
1.33E+01	3.11E+01	3.25E+01	-1.71E-02	0.00E+00
1.33E+01	3.08E+01	3.03E+01	-1.46E-02	0.00E+00
1.34E+01	3.06E+01	2.78E+01	-2.44E-02	0.00E+00
1.34E+01	3.07E+01	2.58E+01	-2.93E-02	0.00E+00
1.34E+01	3.07E+01	2.30E+01	-2.93E-02	0.00E+00
1.34E+01	3.06E+01	2.09E+01	-3.66E-02	0.00E+00
1.34E+01	3.05E+01	1.92E+01	-1.71E-02	0.00E+00
1.35E+01	3.02E+01	1.76E+01	-8.54E-03	0.00E+00
1.35E+01	2.97E+01	1.60E+01	-1.46E-02	0.00E+00
1.35E+01	3.02E+01	1.45E+01	-2.56E-02	0.00E+00
1.35E+01	3.00E+01	1.29E+01	-2.44E-02	0.00E+00
1.35E+01	3.00E+01	1.22E+01	-3.91E-02	0.00E+00
1.36E+01	3.00E+01	1.26E+01	4.88E-03	0.00E+00

1.36E+01	2.99E+01	1.33E+01	-2.08E-02	0.00E+00
1.36E+01	3.00E+01	1.43E+01	-1.71E-02	0.00E+00
1.36E+01	2.99E+01	1.46E+01	-2.69E-02	0.00E+00
1.36E+01	3.01E+01	1.39E+01	-3.78E-02	0.00E+00
1.37E+01	3.01E+01	1.32E+01	-1.34E-02	0.00E+00
1.37E+01	3.00E+01	1.27E+01	-3.42E-02	0.00E+00
1.37E+01	3.00E+01	1.27E+01	-2.32E-02	0.00E+00
1.37E+01	2.99E+01	1.26E+01	-9.77E-03	0.00E+00
1.37E+01	3.00E+01	1.23E+01	-2.69E-02	0.00E+00
1.38E+01	3.01E+01	1.21E+01	-1.34E-02	0.00E+00
1.38E+01	3.00E+01	1.12E+01	-2.69E-02	0.00E+00
1.38E+01	3.00E+01	1.10E+01	-1.22E-03	0.00E+00
1.38E+01	2.99E+01	1.03E+01	-7.32E-03	0.00E+00
1.38E+01	2.99E+01	9.41E+00	-1.95E-02	0.00E+00
1.39E+01	2.97E+01	8.58E+00	-1.71E-02	0.00E+00
1.39E+01	2.94E+01	7.61E+00	-1.46E-02	0.00E+00
1.39E+01	2.96E+01	6.17E+00	-3.05E-02	0.00E+00
1.39E+01	2.94E+01	4.98E+00	-1.71E-02	0.00E+00
1.39E+01	2.95E+01	3.11E+00	-9.77E-03	0.00E+00
1.40E+01	2.93E+01	1.93E+00	1.22E-03	0.00E+00
1.40E+01	2.93E+01	7.87E-01	-4.88E-03	0.00E+00
1.40E+01	2.91E+01	7.26E-01	-2.69E-02	0.00E+00
1.40E+01	2.90E+01	8.79E-01	-2.20E-02	0.00E+00
1.40E+01	2.89E+01	9.09E-01	-2.44E-02	0.00E+00
1.41E+01	2.89E+01	1.00E+00	-2.44E-03	0.00E+00
1.41E+01	2.88E+01	6.19E-01	-1.34E-02	0.00E+00
1.41E+01	2.87E+01	5.27E-01	-1.71E-02	0.00E+00
1.41E+01	2.86E+01	7.56E-01	-2.44E-02	0.00E+00
1.41E+01	2.82E+01	9.70E-01	-7.32E-03	0.00E+00
1.42E+01	2.81E+01	8.48E-01	-4.88E-03	0.00E+00
1.42E+01	2.82E+01	8.48E-01	-1.46E-02	0.00E+00
1.42E+01	2.80E+01	7.87E-01	-6.10E-03	0.00E+00
1.42E+01	2.77E+01	7.56E-01	-4.27E-02	0.00E+00
1.42E+01	2.77E+01	6.95E-01	-1.71E-02	0.00E+00
1.43E+01	2.75E+01	8.18E-01	-1.34E-02	0.00E+00
1.43E+01	2.72E+01	8.33E-01	-1.83E-02	0.00E+00
1.43E+01	2.70E+01	7.87E-01	-1.59E-02	0.00E+00
1.43E+01	2.69E+01	4.51E-01	-4.64E-02	0.00E+00
1.43E+01	2.65E+01	7.87E-01	-2.93E-02	0.00E+00
1.44E+01	2.65E+01	8.79E-01	-9.77E-03	0.00E+00
1.44E+01	2.62E+01	8.48E-01	-7.32E-03	0.00E+00
1.44E+01	2.61E+01	7.56E-01	-1.71E-02	0.00E+00
1.44E+01	2.60E+01	1.00E+00	-2.08E-02	0.00E+00
1.44E+01	2.59E+01	6.80E-01	-2.20E-02	0.00E+00
1.45E+01	2.54E+01	8.02E-01	-4.27E-02	0.00E+00
1.45E+01	2.53E+01	7.56E-01	-1.71E-02	0.00E+00
1.45E+01	2.53E+01	5.73E-01	-1.59E-02	0.00E+00

1.45E+01	2.49E+01	8.18E-01	-1.46E-02	0.00E+00
1.45E+01	2.48E+01	8.18E-01	-2.32E-02	0.00E+00
1.46E+01	2.48E+01	9.70E-01	-1.22E-02	0.00E+00
1.46E+01	2.45E+01	8.48E-01	9.77E-03	0.00E+00
1.46E+01	2.43E+01	8.18E-01	-1.46E-02	0.00E+00
1.46E+01	2.41E+01	7.87E-01	-2.20E-02	0.00E+00
1.46E+01	2.42E+01	7.87E-01	-2.93E-02	0.00E+00
1.47E+01	2.36E+01	8.79E-01	-2.08E-02	0.00E+00
1.47E+01	2.36E+01	1.00E+00	-1.34E-02	0.00E+00
1.47E+01	2.36E+01	9.09E-01	-1.71E-02	0.00E+00
1.47E+01	2.33E+01	9.86E-01	-2.44E-02	0.00E+00
1.47E+01	2.30E+01	8.33E-01	-1.46E-02	0.00E+00
1.48E+01	2.31E+01	6.65E-01	-1.34E-02	0.00E+00
1.48E+01	2.29E+01	7.56E-01	-2.44E-02	0.00E+00
1.48E+01	2.26E+01	8.48E-01	-2.32E-02	0.00E+00
1.48E+01	2.25E+01	1.09E+00	1.22E-03	0.00E+00
1.48E+01	2.24E+01	8.79E-01	-2.44E-02	0.00E+00
1.49E+01	2.22E+01	7.87E-01	-1.22E-02	0.00E+00
1.49E+01	2.19E+01	6.65E-01	-2.44E-02	0.00E+00
1.49E+01	2.20E+01	9.40E-01	-1.95E-02	0.00E+00
1.49E+01	2.17E+01	7.87E-01	4.88E-03	0.00E+00
1.49E+01	2.16E+01	7.26E-01	-1.22E-02	0.00E+00
1.50E+01	2.13E+01	7.87E-01	-1.22E-02	0.00E+00
1.50E+01	2.10E+01	7.72E-01	-4.39E-02	0.00E+00
1.50E+01	2.08E+01	8.94E-01	-1.95E-02	0.00E+00
1.50E+01	2.08E+01	7.72E-01	-3.54E-02	0.00E+00
1.50E+01	2.03E+01	7.26E-01	-3.17E-02	0.00E+00
1.51E+01	2.02E+01	7.56E-01	-1.71E-02	0.00E+00
1.51E+01	2.02E+01	7.26E-01	-2.20E-02	0.00E+00
1.51E+01	1.97E+01	8.79E-01	-1.71E-02	0.00E+00
1.51E+01	1.96E+01	1.09E+00	-4.88E-03	0.00E+00
1.51E+01	1.95E+01	3.89E-01	-2.44E-03	0.00E+00
1.52E+01	1.91E+01	5.42E-01	-4.39E-02	0.00E+00
1.52E+01	1.90E+01	8.48E-01	-1.71E-02	0.00E+00
1.52E+01	1.90E+01	8.48E-01	-2.32E-02	0.00E+00
1.52E+01	1.85E+01	8.79E-01	-1.22E-02	0.00E+00
1.52E+01	1.85E+01	8.18E-01	-1.46E-02	0.00E+00
1.53E+01	1.84E+01	6.34E-01	-4.88E-03	0.00E+00
1.53E+01	1.79E+01	4.35E-01	-4.76E-02	0.00E+00
1.53E+01	1.80E+01	9.09E-01	-3.66E-02	0.00E+00
1.53E+01	1.78E+01	9.86E-01	-1.95E-02	0.00E+00
1.53E+01	1.73E+01	7.10E-01	-1.46E-02	0.00E+00
1.54E+01	1.75E+01	7.56E-01	0.00E+00	0.00E+00
1.54E+01	1.71E+01	9.70E-01	-1.46E-02	0.00E+00
1.54E+01	1.68E+01	7.56E-01	-2.56E-02	0.00E+00
1.54E+01	1.71E+01	7.87E-01	-2.69E-02	0.00E+00
1.54E+01	1.66E+01	7.72E-01	-1.46E-02	0.00E+00

1.55E+01	1.62E+01	9.40E-01	-4.88E-03	0.00E+00
1.55E+01	1.63E+01	5.73E-01	-1.71E-02	0.00E+00
1.55E+01	1.60E+01	7.26E-01	-1.95E-02	0.00E+00
1.55E+01	1.60E+01	5.27E-01	-1.71E-02	0.00E+00
1.55E+01	1.59E+01	7.56E-01	-1.34E-02	0.00E+00
1.56E+01	1.55E+01	8.79E-01	-7.32E-03	0.00E+00
1.56E+01	1.55E+01	1.09E+00	-6.10E-03	0.00E+00
1.56E+01	1.52E+01	6.65E-01	-8.54E-03	0.00E+00
1.56E+01	1.50E+01	6.95E-01	-1.22E-03	0.00E+00
1.56E+01	1.50E+01	6.65E-01	-2.93E-02	0.00E+00
1.57E+01	1.49E+01	9.09E-01	-1.34E-02	0.00E+00
1.57E+01	1.44E+01	8.48E-01	-7.32E-03	0.00E+00
1.57E+01	1.43E+01	1.14E+00	-9.77E-03	0.00E+00
1.57E+01	1.40E+01	6.95E-01	-9.77E-03	0.00E+00
1.57E+01	1.37E+01	8.02E-01	-1.22E-03	0.00E+00
1.58E+01	1.38E+01	9.09E-01	-2.69E-02	0.00E+00
1.58E+01	1.35E+01	9.86E-01	-1.46E-02	0.00E+00
1.58E+01	1.31E+01	7.87E-01	7.32E-03	0.00E+00
1.58E+01	1.30E+01	7.72E-01	-2.56E-02	0.00E+00
1.58E+01	1.28E+01	6.65E-01	-2.08E-02	0.00E+00
1.59E+01	1.26E+01	1.05E+00	-1.46E-02	0.00E+00
1.59E+01	1.25E+01	8.18E-01	-2.32E-02	0.00E+00
1.59E+01	1.21E+01	8.63E-01	-1.10E-02	0.00E+00
1.59E+01	1.20E+01	6.65E-01	-1.71E-02	0.00E+00
1.59E+01	1.20E+01	6.95E-01	-1.95E-02	0.00E+00
1.60E+01	1.15E+01	5.73E-01	-3.17E-02	0.00E+00
1.60E+01	1.14E+01	8.48E-01	-3.66E-02	0.00E+00
1.60E+01	1.12E+01	8.48E-01	-1.34E-02	0.00E+00
1.60E+01	1.09E+01	7.26E-01	-9.77E-03	0.00E+00
1.60E+01	1.08E+01	9.70E-01	-6.10E-03	0.00E+00
1.61E+01	1.05E+01	8.18E-01	-3.42E-02	0.00E+00
1.61E+01	1.03E+01	8.18E-01	-1.22E-02	0.00E+00
1.61E+01	1.03E+01	6.49E-01	-2.32E-02	0.00E+00
1.61E+01	9.73E+00	1.00E+00	-1.46E-02	0.00E+00
1.61E+01	9.54E+00	6.65E-01	4.88E-03	0.00E+00
1.62E+01	9.43E+00	8.94E-01	-1.22E-02	0.00E+00
1.62E+01	8.98E+00	7.87E-01	-1.34E-02	0.00E+00
1.62E+01	9.18E+00	7.87E-01	-2.93E-02	0.00E+00
1.62E+01	9.12E+00	5.42E-01	-2.56E-02	0.00E+00
1.62E+01	9.15E+00	8.79E-01	-3.66E-02	0.00E+00
1.63E+01	9.12E+00	8.18E-01	-1.95E-02	0.00E+00
1.63E+01	9.08E+00	9.70E-01	-1.46E-02	0.00E+00
1.63E+01	9.05E+00	9.25E-01	-1.22E-03	0.00E+00
1.63E+01	9.14E+00	5.42E-01	-1.10E-02	0.00E+00
1.63E+01	9.01E+00	6.49E-01	-1.95E-02	0.00E+00
1.64E+01	9.10E+00	8.79E-01	-2.44E-02	0.00E+00
1.64E+01	9.18E+00	7.56E-01	-4.64E-02	0.00E+00

1.64E+01	9.14E+00	8.33E-01	-4.88E-03	0.00E+00
1.64E+01	9.66E+00	7.56E-01	-1.34E-02	0.00E+00
1.64E+01	9.60E+00	7.26E-01	-1.71E-02	0.00E+00
1.65E+01	9.62E+00	6.95E-01	-7.32E-03	0.00E+00
1.65E+01	1.00E+01	4.20E-01	-3.17E-02	0.00E+00
1.65E+01	1.01E+01	6.80E-01	-2.81E-02	0.00E+00
1.65E+01	1.04E+01	7.26E-01	-2.44E-02	0.00E+00
1.65E+01	1.07E+01	1.09E+00	-1.71E-02	0.00E+00
1.66E+01	1.05E+01	8.63E-01	8.54E-03	0.00E+00
1.66E+01	1.12E+01	7.10E-01	-3.30E-02	0.00E+00
1.66E+01	1.12E+01	6.19E-01	-2.20E-02	0.00E+00
1.66E+01	1.11E+01	7.26E-01	-2.93E-02	0.00E+00
1.66E+01	1.15E+01	1.00E+00	-2.44E-03	0.00E+00
1.67E+01	1.19E+01	1.00E+00	-1.46E-02	0.00E+00
1.67E+01	1.19E+01	7.56E-01	-3.91E-02	0.00E+00
1.67E+01	1.19E+01	6.80E-01	-1.46E-02	0.00E+00
1.67E+01	1.21E+01	7.56E-01	-2.69E-02	0.00E+00
1.67E+01	1.21E+01	7.87E-01	-1.46E-02	0.00E+00
1.68E+01	1.24E+01	8.18E-01	-1.95E-02	0.00E+00
1.68E+01	1.21E+01	6.95E-01	-1.22E-02	0.00E+00
1.68E+01	1.21E+01	7.41E-01	-2.32E-02	0.00E+00
1.68E+01	1.23E+01	9.40E-01	-3.91E-02	0.00E+00
1.68E+01	1.26E+01	8.48E-01	-2.69E-02	0.00E+00
1.69E+01	1.25E+01	8.02E-01	-8.54E-03	0.00E+00
1.69E+01	1.28E+01	6.95E-01	-1.46E-02	0.00E+00
1.69E+01	1.27E+01	8.18E-01	-2.44E-02	0.00E+00
1.69E+01	1.27E+01	9.09E-01	-2.56E-02	0.00E+00
1.69E+01	1.30E+01	8.79E-01	-2.44E-02	0.00E+00
1.70E+01	1.32E+01	7.41E-01	-8.54E-03	0.00E+00
1.70E+01	1.32E+01	6.65E-01	-2.20E-02	0.00E+00
1.70E+01	1.32E+01	7.56E-01	-1.95E-02	0.00E+00
1.70E+01	1.37E+01	7.56E-01	-1.59E-02	0.00E+00
1.70E+01	1.38E+01	9.40E-01	-9.77E-03	0.00E+00
1.71E+01	1.37E+01	7.41E-01	-9.77E-03	0.00E+00
1.71E+01	1.38E+01	7.87E-01	-3.05E-02	0.00E+00
1.71E+01	1.44E+01	6.65E-01	-1.46E-02	0.00E+00
1.71E+01	1.45E+01	9.86E-01	-2.69E-02	0.00E+00
1.71E+01	1.44E+01	1.00E+00	-9.77E-03	0.00E+00
1.72E+01	1.46E+01	7.26E-01	-8.54E-03	0.00E+00
1.72E+01	1.48E+01	9.40E-01	-1.22E-02	0.00E+00
1.72E+01	1.49E+01	6.95E-01	-3.42E-02	0.00E+00
1.72E+01	1.49E+01	8.02E-01	-1.95E-02	0.00E+00
1.72E+01	1.53E+01	7.10E-01	-2.32E-02	0.00E+00
1.73E+01	1.55E+01	7.72E-01	-1.95E-02	0.00E+00
1.73E+01	1.54E+01	8.79E-01	-7.32E-03	0.00E+00
1.73E+01	1.54E+01	4.51E-01	-1.34E-02	0.00E+00
1.73E+01	1.55E+01	7.56E-01	-2.20E-02	0.00E+00

1.73E+01	1.61E+01	6.34E-01	-3.66E-02	0.00E+00
1.74E+01	1.61E+01	8.33E-01	-1.71E-02	0.00E+00
1.74E+01	1.61E+01	8.18E-01	-1.10E-02	0.00E+00
1.74E+01	1.62E+01	8.18E-01	0.00E+00	0.00E+00
1.74E+01	1.67E+01	8.48E-01	-1.95E-02	0.00E+00
1.74E+01	1.66E+01	8.02E-01	-1.22E-02	0.00E+00
1.75E+01	1.69E+01	7.87E-01	-1.71E-02	0.00E+00
1.75E+01	1.73E+01	8.18E-01	-1.71E-02	0.00E+00
1.75E+01	1.73E+01	7.72E-01	-1.46E-02	0.00E+00
1.75E+01	1.73E+01	7.56E-01	-1.10E-02	0.00E+00
1.75E+01	1.76E+01	7.41E-01	-7.32E-03	0.00E+00
1.76E+01	1.78E+01	9.09E-01	-1.46E-02	0.00E+00
1.76E+01	1.81E+01	7.72E-01	-2.20E-02	0.00E+00
1.76E+01	1.83E+01	6.19E-01	-3.66E-02	0.00E+00
1.76E+01	1.86E+01	9.40E-01	-2.56E-02	0.00E+00
1.76E+01	1.84E+01	1.00E+00	-4.88E-03	0.00E+00
1.77E+01	1.89E+01	8.18E-01	7.32E-03	0.00E+00
1.77E+01	1.90E+01	8.02E-01	-7.32E-03	0.00E+00
1.77E+01	1.90E+01	6.03E-01	-2.44E-02	0.00E+00
1.77E+01	1.98E+01	1.09E+00	-1.71E-02	0.00E+00
1.77E+01	1.95E+01	6.19E-01	-2.44E-02	0.00E+00
1.78E+01	1.95E+01	9.09E-01	-9.77E-03	0.00E+00
1.78E+01	1.98E+01	7.26E-01	-1.22E-02	0.00E+00
1.78E+01	2.03E+01	6.95E-01	-2.69E-02	0.00E+00
1.78E+01	2.02E+01	8.18E-01	-2.08E-02	0.00E+00
1.78E+01	2.06E+01	8.02E-01	-1.71E-02	0.00E+00
1.79E+01	2.08E+01	9.09E-01	-1.83E-02	0.00E+00
1.79E+01	2.06E+01	4.96E-01	-1.46E-02	0.00E+00
1.79E+01	2.13E+01	6.95E-01	-3.05E-02	0.00E+00
1.79E+01	2.13E+01	6.95E-01	-2.44E-02	0.00E+00
1.79E+01	2.17E+01	8.79E-01	-3.30E-02	0.00E+00
1.80E+01	2.19E+01	9.09E-01	-3.66E-03	0.00E+00
1.80E+01	2.19E+01	9.09E-01	-4.88E-03	0.00E+00
1.80E+01	2.25E+01	7.87E-01	-6.10E-03	0.00E+00
1.80E+01	2.25E+01	9.09E-01	-2.69E-02	0.00E+00
1.80E+01	2.26E+01	8.79E-01	-5.13E-02	0.00E+00
1.81E+01	2.30E+01	8.33E-01	-2.20E-02	0.00E+00
1.81E+01	2.30E+01	8.79E-01	-7.32E-03	0.00E+00
1.81E+01	2.30E+01	9.70E-01	-6.10E-03	0.00E+00
1.81E+01	2.35E+01	6.34E-01	-2.56E-02	0.00E+00
1.81E+01	2.37E+01	7.26E-01	-2.93E-02	0.00E+00
1.82E+01	2.37E+01	6.95E-01	-1.95E-02	0.00E+00
1.82E+01	2.43E+01	8.94E-01	-2.93E-02	0.00E+00
1.82E+01	2.42E+01	9.09E-01	-7.32E-03	0.00E+00
1.82E+01	2.42E+01	7.26E-01	-1.71E-02	0.00E+00
1.82E+01	2.48E+01	7.87E-01	-1.10E-02	0.00E+00
1.83E+01	2.47E+01	9.70E-01	-1.46E-02	0.00E+00

1.83E+01	2.52E+01	8.18E-01	-3.17E-02	0.00E+00
1.83E+01	2.54E+01	8.48E-01	-4.39E-02	0.00E+00
1.83E+01	2.54E+01	9.09E-01	-1.95E-02	0.00E+00
1.83E+01	2.59E+01	6.34E-01	-1.10E-02	0.00E+00
1.84E+01	2.59E+01	7.26E-01	-1.10E-02	0.00E+00
1.84E+01	2.62E+01	7.87E-01	-3.17E-02	0.00E+00
1.84E+01	2.66E+01	1.05E+00	-1.83E-02	0.00E+00
1.84E+01	2.66E+01	9.09E-01	1.22E-03	0.00E+00
1.84E+01	2.71E+01	9.40E-01	-1.71E-02	0.00E+00
1.85E+01	2.71E+01	6.03E-01	-7.32E-03	0.00E+00
1.85E+01	2.77E+01	7.87E-01	-1.95E-02	0.00E+00
1.85E+01	2.75E+01	6.19E-01	-2.44E-02	0.00E+00
1.85E+01	2.80E+01	6.34E-01	-2.69E-02	0.00E+00
1.85E+01	2.83E+01	9.09E-01	-4.88E-03	0.00E+00
1.86E+01	2.83E+01	8.18E-01	-2.44E-03	0.00E+00
1.86E+01	2.87E+01	9.09E-01	-8.54E-03	0.00E+00
1.86E+01	2.88E+01	8.02E-01	-1.22E-02	0.00E+00
1.86E+01	2.89E+01	6.75E+00	-1.71E-02	0.00E+00
1.86E+01	2.95E+01	1.05E+01	-3.42E-02	0.00E+00
1.87E+01	2.95E+01	1.67E+01	-2.32E-02	0.00E+00
1.87E+01	2.95E+01	1.90E+01	-3.42E-02	0.00E+00
1.87E+01	2.93E+01	1.68E+01	-1.83E-02	0.00E+00
1.87E+01	2.94E+01	1.12E+01	-1.22E-02	0.00E+00
1.87E+01	2.94E+01	9.17E+00	-1.46E-02	0.00E+00
1.88E+01	2.94E+01	8.34E+00	-1.10E-02	0.00E+00
1.88E+01	2.95E+01	1.04E+01	-2.44E-02	0.00E+00
1.88E+01	2.95E+01	1.37E+01	-2.56E-02	0.00E+00
1.88E+01	2.94E+01	1.53E+01	-2.93E-02	0.00E+00
1.88E+01	2.95E+01	1.50E+01	-2.20E-02	0.00E+00
1.89E+01	2.94E+01	1.38E+01	-1.95E-02	0.00E+00
1.89E+01	2.93E+01	1.23E+01	4.88E-03	0.00E+00
1.89E+01	2.94E+01	1.19E+01	-2.32E-02	0.00E+00
1.89E+01	2.94E+01	1.40E+01	-1.71E-02	0.00E+00
1.89E+01	2.97E+01	1.51E+01	-3.91E-02	0.00E+00
1.90E+01	3.00E+01	1.73E+01	-3.42E-02	0.00E+00
1.90E+01	3.01E+01	1.95E+01	-1.95E-02	0.00E+00
1.90E+01	3.00E+01	2.06E+01	-1.46E-02	0.00E+00
1.90E+01	3.00E+01	2.37E+01	0.00E+00	0.00E+00
1.90E+01	3.01E+01	2.60E+01	-7.32E-03	0.00E+00
1.91E+01	3.05E+01	2.84E+01	-1.22E-02	0.00E+00
1.91E+01	3.07E+01	3.10E+01	2.44E-03	0.00E+00
1.91E+01	3.06E+01	3.25E+01	-2.20E-02	0.00E+00
1.91E+01	3.06E+01	3.40E+01	-3.05E-02	0.00E+00
1.91E+01	3.05E+01	3.59E+01	-1.46E-02	0.00E+00
1.92E+01	3.12E+01	3.70E+01	-2.93E-02	0.00E+00
1.92E+01	3.11E+01	3.82E+01	-1.71E-02	0.00E+00
1.92E+01	3.11E+01	3.89E+01	-7.32E-03	0.00E+00

1.92E+01	3.11E+01	3.81E+01	-2.69E-02	0.00E+00
1.92E+01	3.12E+01	3.73E+01	-2.20E-02	0.00E+00
1.93E+01	3.12E+01	3.61E+01	-2.20E-02	0.00E+00
1.93E+01	3.10E+01	3.64E+01	-9.77E-03	0.00E+00
1.93E+01	3.10E+01	3.71E+01	-1.22E-03	0.00E+00
1.93E+01	3.05E+01	3.13E+01	-1.71E-02	0.00E+00
1.93E+01	3.03E+01	1.95E+01	4.88E-03	0.00E+00
1.94E+01	3.00E+01	1.08E+01	-3.30E-02	0.00E+00
1.94E+01	3.00E+01	4.12E+00	-2.44E-02	0.00E+00
1.94E+01	3.01E+01	3.78E+00	-1.22E-02	0.00E+00
1.94E+01	2.98E+01	8.46E+00	-1.46E-02	0.00E+00
1.94E+01	3.00E+01	1.23E+01	-1.22E-02	0.00E+00
1.95E+01	3.00E+01	1.74E+01	-1.46E-02	0.00E+00
1.95E+01	3.00E+01	1.93E+01	-9.77E-03	0.00E+00
1.95E+01	3.00E+01	1.65E+01	-1.83E-02	0.00E+00
1.95E+01	3.00E+01	1.31E+01	-2.08E-02	0.00E+00
1.95E+01	3.00E+01	1.07E+01	-1.59E-02	0.00E+00
1.96E+01	2.99E+01	9.84E+00	-8.54E-03	0.00E+00
1.96E+01	3.00E+01	1.22E+01	-1.34E-02	0.00E+00
1.96E+01	2.99E+01	1.49E+01	-1.46E-02	0.00E+00
1.96E+01	3.01E+01	1.56E+01	-2.69E-02	0.00E+00
1.96E+01	3.01E+01	1.62E+01	-1.83E-02	0.00E+00
1.97E+01	3.00E+01	1.37E+01	-2.20E-02	0.00E+00
1.97E+01	3.00E+01	1.13E+01	0.00E+00	0.00E+00
1.97E+01	2.99E+01	1.14E+01	1.22E-03	0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1107A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1107.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 28:39.0

Current Da #####

Current Tin 8:36:16

Number of 4

Number of 3968

Independe 0.02

Independe -4.08

Independe Sec

Time	Angle	Force	LiftgateMo	StrutCal	Displacement
Sec	Degrees	lbs	volts	inches	
-4.08E+00	7.59E+01	9.55E-01	-2.44E-03	0.00E+00	
-4.06E+00	7.58E+01	9.40E-01	-1.71E-02	0.00E+00	
-4.04E+00	7.58E+01	8.18E-01	-2.44E-02	0.00E+00	
-4.02E+00	7.59E+01	9.70E-01	-1.34E-02	0.00E+00	
-4.00E+00	7.56E+01	9.25E-01	-1.34E-02	0.00E+00	
-3.98E+00	7.58E+01	9.09E-01	-2.44E-03	0.00E+00	
-3.96E+00	7.59E+01	1.00E+00	-4.03E-02	0.00E+00	
-3.94E+00	7.58E+01	7.26E-01	0.00E+00	0.00E+00	
-3.92E+00	7.58E+01	1.00E+00	-1.83E-02	0.00E+00	
-3.90E+00	7.58E+01	1.02E+00	-2.20E-02	0.00E+00	
-3.88E+00	7.58E+01	1.03E+00	-4.88E-03	0.00E+00	
-3.86E+00	7.57E+01	8.18E-01	0.00E+00	0.00E+00	
-3.84E+00	7.59E+01	8.79E-01	-1.34E-02	0.00E+00	
-3.82E+00	7.58E+01	9.40E-01	-3.17E-02	0.00E+00	
-3.80E+00	7.58E+01	9.40E-01	-9.77E-03	0.00E+00	
-3.78E+00	7.58E+01	6.03E-01	-2.20E-02	0.00E+00	
-3.76E+00	7.59E+01	1.08E+00	-1.83E-02	0.00E+00	
-3.74E+00	7.60E+01	9.09E-01	-2.69E-02	0.00E+00	
-3.72E+00	7.57E+01	1.00E+00	0.00E+00	0.00E+00	
-3.70E+00	7.59E+01	8.79E-01	-2.20E-02	0.00E+00	
-3.68E+00	7.58E+01	1.29E+00	-2.20E-02	0.00E+00	
-3.66E+00	7.58E+01	7.26E-01	-1.10E-02	0.00E+00	
-3.64E+00	7.58E+01	9.40E-01	-1.71E-02	0.00E+00	
-3.62E+00	7.59E+01	9.70E-01	-9.77E-03	0.00E+00	
-3.60E+00	7.58E+01	1.11E+00	-1.83E-02	0.00E+00	
-3.58E+00	7.56E+01	8.94E-01	-1.59E-02	0.00E+00	
-3.56E+00	7.59E+01	8.79E-01	-1.59E-02	0.00E+00	
-3.54E+00	7.59E+01	1.28E+00	-1.95E-02	0.00E+00	
-3.52E+00	7.58E+01	7.56E-01	-1.34E-02	0.00E+00	
-3.50E+00	7.60E+01	8.18E-01	-1.46E-02	0.00E+00	
-3.48E+00	7.59E+01	1.00E+00	-8.54E-03	0.00E+00	

-3.46E+00	7.57E+01	1.06E+00	-2.08E-02	0.00E+00
-3.44E+00	7.56E+01	1.15E+00	-2.44E-02	0.00E+00
-3.42E+00	7.58E+01	9.86E-01	-2.20E-02	0.00E+00
-3.40E+00	7.59E+01	1.00E+00	-1.22E-02	0.00E+00
-3.38E+00	7.57E+01	1.18E+00	-1.71E-02	0.00E+00
-3.36E+00	7.57E+01	9.55E-01	-1.95E-02	0.00E+00
-3.34E+00	7.59E+01	1.06E+00	-3.42E-02	0.00E+00
-3.32E+00	7.58E+01	1.02E+00	-9.77E-03	0.00E+00
-3.30E+00	7.58E+01	6.95E-01	-1.95E-02	0.00E+00
-3.28E+00	7.59E+01	8.79E-01	-1.95E-02	0.00E+00
-3.26E+00	7.58E+01	1.03E+00	-1.22E-02	0.00E+00
-3.24E+00	7.57E+01	6.95E-01	2.44E-03	0.00E+00
-3.22E+00	7.58E+01	1.02E+00	-3.42E-02	0.00E+00
-3.20E+00	7.58E+01	1.09E+00	-2.08E-02	0.00E+00
-3.18E+00	7.58E+01	6.49E-01	-2.44E-03	0.00E+00
-3.16E+00	7.58E+01	9.09E-01	-3.17E-02	0.00E+00
-3.14E+00	7.59E+01	1.17E+00	-1.95E-02	0.00E+00
-3.12E+00	7.58E+01	1.03E+00	-3.78E-02	0.00E+00
-3.10E+00	7.59E+01	8.79E-01	-7.32E-03	0.00E+00
-3.08E+00	7.59E+01	9.40E-01	-1.95E-02	0.00E+00
-3.06E+00	7.58E+01	8.48E-01	-4.88E-03	0.00E+00
-3.04E+00	7.58E+01	1.09E+00	-1.34E-02	0.00E+00
-3.02E+00	7.59E+01	9.70E-01	-2.69E-02	0.00E+00
-3.00E+00	7.60E+01	1.09E+00	-9.77E-03	0.00E+00
-2.98E+00	7.58E+01	7.87E-01	-7.32E-03	0.00E+00
-2.96E+00	7.58E+01	9.40E-01	-3.42E-02	0.00E+00
-2.94E+00	7.58E+01	1.44E+00	-2.20E-02	0.00E+00
-2.92E+00	7.58E+01	9.40E-01	-7.32E-03	0.00E+00
-2.90E+00	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
-2.88E+00	7.58E+01	9.70E-01	-5.13E-02	0.00E+00
-2.86E+00	7.57E+01	1.06E+00	-1.10E-02	0.00E+00
-2.84E+00	7.57E+01	8.48E-01	-2.81E-02	0.00E+00
-2.82E+00	7.59E+01	9.25E-01	-2.44E-02	0.00E+00
-2.80E+00	7.58E+01	1.12E+00	-9.77E-03	0.00E+00
-2.78E+00	7.58E+01	1.09E+00	-7.32E-03	0.00E+00
-2.76E+00	7.58E+01	8.79E-01	-4.76E-02	0.00E+00
-2.74E+00	7.57E+01	1.18E+00	-8.54E-03	0.00E+00
-2.72E+00	7.59E+01	9.40E-01	-1.46E-02	0.00E+00
-2.70E+00	7.58E+01	8.79E-01	-2.69E-02	0.00E+00
-2.68E+00	7.59E+01	1.12E+00	-1.22E-02	0.00E+00
-2.66E+00	7.58E+01	8.79E-01	-1.22E-02	0.00E+00
-2.64E+00	7.58E+01	8.18E-01	-1.95E-02	0.00E+00
-2.62E+00	7.59E+01	1.09E+00	-8.54E-03	0.00E+00
-2.60E+00	7.58E+01	9.25E-01	-2.32E-02	0.00E+00
-2.58E+00	7.59E+01	8.02E-01	-1.83E-02	0.00E+00
-2.56E+00	7.59E+01	9.70E-01	-2.44E-02	0.00E+00
-2.54E+00	7.58E+01	1.09E+00	0.00E+00	0.00E+00

-2.52E+00	7.58E+01	8.79E-01	-9.77E-03	0.00E+00
-2.50E+00	7.57E+01	1.06E+00	-1.95E-02	0.00E+00
-2.48E+00	7.57E+01	1.00E+00	-1.95E-02	0.00E+00
-2.46E+00	7.57E+01	8.02E-01	-1.71E-02	0.00E+00
-2.44E+00	7.59E+01	1.11E+00	-2.56E-02	0.00E+00
-2.42E+00	7.58E+01	1.06E+00	-1.95E-02	0.00E+00
-2.40E+00	7.58E+01	1.00E+00	-6.10E-03	0.00E+00
-2.38E+00	7.56E+01	1.03E+00	-1.71E-02	0.00E+00
-2.36E+00	7.58E+01	1.09E+00	-2.20E-02	0.00E+00
-2.34E+00	7.59E+01	9.40E-01	-1.22E-02	0.00E+00
-2.32E+00	7.58E+01	8.94E-01	-2.69E-02	0.00E+00
-2.30E+00	7.58E+01	1.00E+00	-1.34E-02	0.00E+00
-2.28E+00	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
-2.26E+00	7.57E+01	7.87E-01	-3.17E-02	0.00E+00
-2.24E+00	7.59E+01	1.03E+00	-2.32E-02	0.00E+00
-2.22E+00	7.58E+01	1.46E+00	-4.88E-03	0.00E+00
-2.20E+00	7.58E+01	1.03E+00	-2.56E-02	0.00E+00
-2.18E+00	7.59E+01	8.94E-01	-1.83E-02	0.00E+00
-2.16E+00	7.57E+01	1.00E+00	-2.93E-02	0.00E+00
-2.14E+00	7.59E+01	8.18E-01	-9.77E-03	0.00E+00
-2.12E+00	7.57E+01	1.00E+00	-8.54E-03	0.00E+00
-2.10E+00	7.57E+01	1.09E+00	-4.88E-03	0.00E+00
-2.08E+00	7.58E+01	8.18E-01	-2.56E-02	0.00E+00
-2.06E+00	7.59E+01	1.20E+00	-1.22E-02	0.00E+00
-2.04E+00	7.58E+01	9.70E-01	-2.44E-03	0.00E+00
-2.02E+00	7.58E+01	8.63E-01	-2.44E-03	0.00E+00
-2.00E+00	7.59E+01	1.00E+00	-8.54E-03	0.00E+00
-1.98E+00	7.58E+01	9.09E-01	-1.22E-02	0.00E+00
-1.96E+00	7.59E+01	1.05E+00	-1.22E-02	0.00E+00
-1.94E+00	7.59E+01	1.22E+00	-2.20E-02	0.00E+00
-1.92E+00	7.57E+01	8.79E-01	-9.77E-03	0.00E+00
-1.90E+00	7.59E+01	9.40E-01	-2.93E-02	0.00E+00
-1.88E+00	7.58E+01	9.09E-01	-1.71E-02	0.00E+00
-1.86E+00	7.58E+01	8.79E-01	-7.32E-03	0.00E+00
-1.84E+00	7.59E+01	9.40E-01	-2.44E-02	0.00E+00
-1.82E+00	7.58E+01	1.02E+00	-2.20E-02	0.00E+00
-1.80E+00	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
-1.78E+00	7.59E+01	8.48E-01	-2.32E-02	0.00E+00
-1.76E+00	7.59E+01	1.03E+00	-1.22E-02	0.00E+00
-1.74E+00	7.57E+01	1.00E+00	-2.20E-02	0.00E+00
-1.72E+00	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
-1.70E+00	7.60E+01	9.70E-01	-1.95E-02	0.00E+00
-1.68E+00	7.58E+01	8.79E-01	-3.66E-03	0.00E+00
-1.66E+00	7.58E+01	9.86E-01	-2.08E-02	0.00E+00
-1.64E+00	7.58E+01	1.18E+00	-2.93E-02	0.00E+00
-1.62E+00	7.58E+01	1.34E+00	-8.54E-03	0.00E+00
-1.60E+00	7.58E+01	8.79E-01	-1.83E-02	0.00E+00

-1.58E+00	7.57E+01	1.00E+00	-4.15E-02	0.00E+00
-1.56E+00	7.59E+01	9.70E-01	2.44E-03	0.00E+00
-1.54E+00	7.58E+01	8.48E-01	-2.20E-02	0.00E+00
-1.52E+00	7.59E+01	8.79E-01	-1.22E-02	0.00E+00
-1.50E+00	7.58E+01	8.79E-01	-8.54E-03	0.00E+00
-1.48E+00	7.58E+01	9.09E-01	-1.10E-02	0.00E+00
-1.46E+00	7.58E+01	9.70E-01	-3.30E-02	0.00E+00
-1.44E+00	7.59E+01	9.70E-01	-1.22E-02	0.00E+00
-1.42E+00	7.58E+01	6.03E-01	-1.46E-02	0.00E+00
-1.40E+00	7.58E+01	7.56E-01	-1.95E-02	0.00E+00
-1.38E+00	7.59E+01	1.02E+00	-1.71E-02	0.00E+00
-1.36E+00	7.58E+01	8.18E-01	-3.78E-02	0.00E+00
-1.34E+00	7.59E+01	9.09E-01	-3.17E-02	0.00E+00
-1.32E+00	7.58E+01	1.11E+00	-2.08E-02	0.00E+00
-1.30E+00	7.58E+01	6.95E-01	0.00E+00	0.00E+00
-1.28E+00	7.58E+01	1.03E+00	-2.44E-02	0.00E+00
-1.26E+00	7.57E+01	1.06E+00	-1.71E-02	0.00E+00
-1.24E+00	7.57E+01	1.03E+00	-1.22E-03	0.00E+00
-1.22E+00	7.58E+01	8.79E-01	-3.17E-02	0.00E+00
-1.20E+00	7.58E+01	1.15E+00	-1.22E-02	0.00E+00
-1.18E+00	7.58E+01	1.00E+00	-7.32E-03	0.00E+00
-1.16E+00	7.58E+01	7.87E-01	-1.95E-02	0.00E+00
-1.14E+00	7.60E+01	1.03E+00	-2.69E-02	0.00E+00
-1.12E+00	7.58E+01	8.33E-01	-2.44E-03	0.00E+00
-1.10E+00	7.58E+01	9.09E-01	-1.46E-02	0.00E+00
-1.08E+00	7.59E+01	9.40E-01	-1.46E-02	0.00E+00
-1.06E+00	7.58E+01	7.87E-01	7.32E-03	0.00E+00
-1.04E+00	7.58E+01	9.86E-01	-1.71E-02	0.00E+00
-1.02E+00	7.59E+01	1.05E+00	-1.71E-02	0.00E+00
-1.00E+00	7.58E+01	1.08E+00	-3.66E-03	0.00E+00
-9.80E-01	7.58E+01	8.48E-01	-1.95E-02	0.00E+00
-9.60E-01	7.59E+01	1.00E+00	-1.83E-02	0.00E+00
-9.40E-01	7.58E+01	1.09E+00	-3.42E-02	0.00E+00
-9.20E-01	7.56E+01	9.40E-01	0.00E+00	0.00E+00
-9.00E-01	7.60E+01	1.08E+00	-2.69E-02	0.00E+00
-8.80E-01	7.58E+01	9.70E-01	-7.32E-03	0.00E+00
-8.60E-01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
-8.40E-01	7.59E+01	1.09E+00	-7.32E-03	0.00E+00
-8.20E-01	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
-8.00E-01	7.58E+01	8.79E-01	-1.71E-02	0.00E+00
-7.80E-01	7.59E+01	6.65E-01	-1.22E-02	0.00E+00
-7.60E-01	7.59E+01	1.03E+00	-9.77E-03	0.00E+00
-7.40E-01	7.58E+01	8.79E-01	-1.95E-02	0.00E+00
-7.20E-01	7.54E+01	1.06E+00	-2.20E-02	0.00E+00
-7.00E-01	7.54E+01	1.02E+00	-1.10E-02	0.00E+00
-6.80E-01	7.53E+01	8.94E-01	-1.46E-02	0.00E+00
-6.60E-01	7.54E+01	1.18E+00	-2.32E-02	0.00E+00

-6.40E-01	7.53E+01	9.40E-01	-1.22E-02	0.00E+00
-6.20E-01	7.53E+01	9.70E-01	2.44E-03	0.00E+00
-6.00E-01	7.59E+01	9.09E-01	-1.83E-02	0.00E+00
-5.80E-01	7.59E+01	1.00E+00	-9.77E-03	0.00E+00
-5.60E-01	7.58E+01	9.70E-01	-2.08E-02	0.00E+00
-5.40E-01	7.59E+01	8.18E-01	-2.44E-02	0.00E+00
-5.20E-01	7.56E+01	1.09E+00	-1.46E-02	0.00E+00
-5.00E-01	7.54E+01	8.79E-01	-2.44E-02	0.00E+00
-4.80E-01	7.54E+01	8.79E-01	-2.32E-02	0.00E+00
-4.60E-01	7.54E+01	7.41E-01	-1.71E-02	0.00E+00
-4.40E-01	7.54E+01	7.41E-01	-7.32E-03	0.00E+00
-4.20E-01	7.53E+01	9.55E-01	-1.71E-02	0.00E+00
-4.00E-01	7.53E+01	1.02E+00	-3.30E-02	0.00E+00
-3.80E-01	7.51E+01	1.00E+00	0.00E+00	0.00E+00
-3.60E-01	7.53E+01	8.63E-01	-2.20E-02	0.00E+00
-3.40E-01	7.54E+01	1.00E+00	-2.08E-02	0.00E+00
-3.20E-01	7.53E+01	9.70E-01	1.46E-02	0.00E+00
-3.00E-01	7.54E+01	7.72E-01	-1.71E-02	0.00E+00
-2.80E-01	7.53E+01	1.12E+00	-2.93E-02	0.00E+00
-2.60E-01	7.53E+01	9.86E-01	-6.10E-03	0.00E+00
-2.40E-01	7.53E+01	8.48E-01	-1.46E-02	0.00E+00
-2.20E-01	7.54E+01	1.00E+00	-2.69E-02	0.00E+00
-2.00E-01	7.52E+01	9.25E-01	-7.32E-03	0.00E+00
-1.80E-01	7.52E+01	8.63E-01	-2.81E-02	0.00E+00
-1.60E-01	7.50E+01	1.18E+00	-2.20E-02	0.00E+00
-1.40E-01	7.47E+01	9.25E-01	-9.77E-03	0.00E+00
-1.20E-01	7.47E+01	8.79E-01	-2.44E-02	0.00E+00
-1.00E-01	7.48E+01	7.87E-01	-9.77E-03	0.00E+00
-8.00E-02	7.47E+01	9.86E-01	-1.46E-02	0.00E+00
-6.00E-02	7.47E+01	8.33E-01	-2.20E-02	0.00E+00
-4.00E-02	7.48E+01	1.03E+00	-1.83E-02	0.00E+00
-2.00E-02	7.45E+01	9.40E-01	-1.59E-02	0.00E+00
0.00E+00	7.40E+01	9.70E-01	-1.95E-02	0.00E+00
2.00E-02	7.43E+01	9.55E-01	-1.59E-02	0.00E+00
4.00E-02	7.41E+01	9.55E-01	-1.95E-02	0.00E+00
6.00E-02	7.41E+01	8.18E-01	-1.22E-02	0.00E+00
8.00E-02	7.38E+01	8.18E-01	-2.69E-02	0.00E+00
1.00E-01	7.36E+01	1.02E+00	-4.88E-03	0.00E+00
1.20E-01	7.33E+01	1.03E+00	-1.83E-02	0.00E+00
1.40E-01	7.36E+01	9.40E-01	-1.46E-02	0.00E+00
1.60E-01	7.30E+01	1.02E+00	-1.46E-02	0.00E+00
1.80E-01	7.29E+01	7.87E-01	-1.46E-02	0.00E+00
2.00E-01	7.30E+01	1.08E+00	-4.88E-02	0.00E+00
2.20E-01	7.27E+01	1.08E+00	-3.05E-02	0.00E+00
2.40E-01	7.24E+01	8.63E-01	-1.46E-02	0.00E+00
2.60E-01	7.24E+01	1.09E+00	-1.83E-02	0.00E+00
2.80E-01	7.22E+01	8.18E-01	-8.54E-03	0.00E+00

3.00E-01	7.18E+01	1.12E+00	-1.34E-02	0.00E+00
3.20E-01	7.18E+01	9.55E-01	-3.30E-02	0.00E+00
3.40E-01	7.18E+01	1.09E+00	0.00E+00	0.00E+00
3.60E-01	7.13E+01	7.56E-01	-1.46E-02	0.00E+00
3.80E-01	7.12E+01	9.55E-01	-2.69E-02	0.00E+00
4.00E-01	7.12E+01	1.22E+00	-3.42E-02	0.00E+00
4.20E-01	7.10E+01	7.56E-01	-1.22E-02	0.00E+00
4.40E-01	7.11E+01	6.03E-01	-1.34E-02	0.00E+00
4.60E-01	7.07E+01	9.09E-01	-1.71E-02	0.00E+00
4.80E-01	7.04E+01	1.03E+00	-7.32E-03	0.00E+00
5.00E-01	7.08E+01	9.70E-01	-1.22E-02	0.00E+00
5.20E-01	7.01E+01	1.02E+00	-1.22E-02	0.00E+00
5.40E-01	6.97E+01	1.05E+00	-6.10E-03	0.00E+00
5.60E-01	6.99E+01	1.00E+00	-2.44E-02	0.00E+00
5.80E-01	6.97E+01	9.09E-01	-1.83E-02	0.00E+00
6.00E-01	6.91E+01	1.00E+00	-1.34E-02	0.00E+00
6.20E-01	6.94E+01	1.08E+00	-2.44E-02	0.00E+00
6.40E-01	6.89E+01	1.05E+00	-4.39E-02	0.00E+00
6.60E-01	6.84E+01	9.25E-01	-4.88E-03	0.00E+00
6.80E-01	6.83E+01	9.86E-01	-1.10E-02	0.00E+00
7.00E-01	6.84E+01	1.05E+00	-5.13E-02	0.00E+00
7.20E-01	6.79E+01	1.08E+00	-2.81E-02	0.00E+00
7.40E-01	6.77E+01	7.87E-01	-2.44E-02	0.00E+00
7.60E-01	6.77E+01	1.06E+00	-1.71E-02	0.00E+00
7.80E-01	6.75E+01	9.70E-01	-7.32E-03	0.00E+00
8.00E-01	6.72E+01	8.79E-01	-3.66E-02	0.00E+00
8.20E-01	6.72E+01	9.40E-01	-1.83E-02	0.00E+00
8.40E-01	6.69E+01	1.06E+00	-9.77E-03	0.00E+00
8.60E-01	6.65E+01	1.03E+00	-2.69E-02	0.00E+00
8.80E-01	6.67E+01	9.70E-01	-4.64E-02	0.00E+00
9.00E-01	6.65E+01	9.70E-01	-2.93E-02	0.00E+00
9.20E-01	6.60E+01	9.70E-01	-1.71E-02	0.00E+00
9.40E-01	6.60E+01	1.09E+00	-2.69E-02	0.00E+00
9.60E-01	6.59E+01	1.38E+00	-7.32E-03	0.00E+00
9.80E-01	6.55E+01	9.25E-01	-1.22E-02	0.00E+00
1.00E+00	6.55E+01	9.40E-01	-3.42E-02	0.00E+00
1.02E+00	6.54E+01	1.06E+00	7.32E-03	0.00E+00
1.04E+00	6.48E+01	1.09E+00	-2.56E-02	0.00E+00
1.06E+00	6.49E+01	8.79E-01	-2.20E-02	0.00E+00
1.08E+00	6.48E+01	1.02E+00	-3.42E-02	0.00E+00
1.10E+00	6.44E+01	9.09E-01	-1.71E-02	0.00E+00
1.12E+00	6.44E+01	1.22E+00	-9.77E-03	0.00E+00
1.14E+00	6.42E+01	1.09E+00	-9.77E-03	0.00E+00
1.16E+00	6.37E+01	1.09E+00	-2.20E-02	0.00E+00
1.18E+00	6.36E+01	1.15E+00	-1.95E-02	0.00E+00
1.20E+00	6.35E+01	9.40E-01	-1.71E-02	0.00E+00
1.22E+00	6.31E+01	9.09E-01	-1.59E-02	0.00E+00

1.24E+00	6.32E+01	9.40E-01	-1.46E-02	0.00E+00
1.26E+00	6.28E+01	8.48E-01	2.44E-02	0.00E+00
1.28E+00	6.24E+01	9.70E-01	-8.54E-03	0.00E+00
1.30E+00	6.26E+01	9.70E-01	-1.95E-02	0.00E+00
1.32E+00	6.22E+01	8.94E-01	-2.44E-03	0.00E+00
1.34E+00	6.19E+01	9.70E-01	-2.44E-02	0.00E+00
1.36E+00	6.18E+01	1.17E+00	-1.59E-02	0.00E+00
1.38E+00	6.16E+01	1.05E+00	-1.95E-02	0.00E+00
1.40E+00	6.13E+01	9.40E-01	-2.08E-02	0.00E+00
1.42E+00	6.14E+01	8.94E-01	-1.34E-02	0.00E+00
1.44E+00	6.10E+01	9.09E-01	-7.32E-03	0.00E+00
1.46E+00	6.07E+01	1.00E+00	-3.91E-02	0.00E+00
1.48E+00	6.08E+01	1.03E+00	-3.66E-02	0.00E+00
1.50E+00	6.03E+01	9.70E-01	-4.88E-03	0.00E+00
1.52E+00	6.02E+01	8.94E-01	-1.46E-02	0.00E+00
1.54E+00	6.02E+01	9.40E-01	-1.71E-02	0.00E+00
1.56E+00	5.98E+01	9.09E-01	-1.95E-02	0.00E+00
1.58E+00	5.97E+01	9.40E-01	-2.44E-02	0.00E+00
1.60E+00	5.96E+01	1.02E+00	-1.95E-02	0.00E+00
1.62E+00	5.91E+01	1.22E+00	-9.77E-03	0.00E+00
1.64E+00	5.90E+01	1.00E+00	1.10E-02	0.00E+00
1.66E+00	5.91E+01	1.06E+00	-1.34E-02	0.00E+00
1.68E+00	5.84E+01	1.12E+00	-1.71E-02	0.00E+00
1.70E+00	5.84E+01	1.18E+00	-9.77E-03	0.00E+00
1.72E+00	5.85E+01	8.18E-01	-2.56E-02	0.00E+00
1.74E+00	5.77E+01	1.09E+00	-1.10E-02	0.00E+00
1.76E+00	5.80E+01	9.40E-01	-2.32E-02	0.00E+00
1.78E+00	5.76E+01	8.48E-01	-2.20E-02	0.00E+00
1.80E+00	5.73E+01	1.25E+00	-7.32E-03	0.00E+00
1.82E+00	5.72E+01	8.33E-01	-2.20E-02	0.00E+00
1.84E+00	5.69E+01	1.02E+00	-1.34E-02	0.00E+00
1.86E+00	5.68E+01	1.02E+00	6.10E-03	0.00E+00
1.88E+00	5.66E+01	9.09E-01	-9.77E-03	0.00E+00
1.90E+00	5.62E+01	7.56E-01	-2.69E-02	0.00E+00
1.92E+00	5.62E+01	9.86E-01	-1.46E-02	0.00E+00
1.94E+00	5.59E+01	7.56E-01	-1.10E-02	0.00E+00
1.96E+00	5.56E+01	9.40E-01	-2.44E-02	0.00E+00
1.98E+00	5.55E+01	1.00E+00	-1.71E-02	0.00E+00
2.00E+00	5.49E+01	1.03E+00	-1.46E-02	0.00E+00
2.02E+00	5.49E+01	9.09E-01	-5.37E-02	0.00E+00
2.04E+00	5.50E+01	1.05E+00	-2.69E-02	0.00E+00
2.06E+00	5.44E+01	1.03E+00	-1.46E-02	0.00E+00
2.08E+00	5.43E+01	1.14E+00	-2.32E-02	0.00E+00
2.10E+00	5.41E+01	1.28E+00	-2.20E-02	0.00E+00
2.12E+00	5.35E+01	1.02E+00	-4.88E-03	0.00E+00
2.14E+00	5.39E+01	8.94E-01	-2.93E-02	0.00E+00
2.16E+00	5.32E+01	1.09E+00	-2.20E-02	0.00E+00

2.18E+00	5.33E+01	1.28E+00	-1.34E-02	0.00E+00
2.20E+00	5.29E+01	9.09E-01	-2.08E-02	0.00E+00
2.22E+00	5.27E+01	1.00E+00	-5.00E-02	0.00E+00
2.24E+00	5.27E+01	1.05E+00	1.71E-02	0.00E+00
2.26E+00	5.23E+01	9.86E-01	-7.32E-03	0.00E+00
2.28E+00	5.21E+01	9.55E-01	-2.20E-02	0.00E+00
2.30E+00	5.20E+01	1.06E+00	-3.91E-02	0.00E+00
2.32E+00	5.14E+01	9.70E-01	-7.32E-03	0.00E+00
2.34E+00	5.15E+01	1.17E+00	-1.95E-02	0.00E+00
2.36E+00	5.12E+01	1.03E+00	-9.77E-03	0.00E+00
2.38E+00	5.08E+01	9.70E-01	-1.22E-02	0.00E+00
2.40E+00	5.11E+01	9.25E-01	-1.71E-02	0.00E+00
2.42E+00	5.05E+01	1.12E+00	-9.77E-03	0.00E+00
2.44E+00	5.02E+01	8.48E-01	-4.88E-03	0.00E+00
2.46E+00	5.03E+01	7.26E-01	-1.22E-02	0.00E+00
2.48E+00	4.98E+01	9.86E-01	-2.93E-02	0.00E+00
2.50E+00	4.97E+01	9.70E-01	-4.88E-03	0.00E+00
2.52E+00	4.94E+01	9.40E-01	-1.46E-02	0.00E+00
2.54E+00	4.92E+01	6.95E-01	-2.69E-02	0.00E+00
2.56E+00	4.91E+01	1.03E+00	-6.10E-03	0.00E+00
2.58E+00	4.84E+01	8.18E-01	-2.44E-02	0.00E+00
2.60E+00	4.86E+01	9.86E-01	-1.22E-02	0.00E+00
2.62E+00	4.85E+01	9.25E-01	-2.44E-02	0.00E+00
2.64E+00	4.79E+01	1.00E+00	-1.10E-02	0.00E+00
2.66E+00	4.80E+01	9.70E-01	-2.93E-02	0.00E+00
2.68E+00	4.77E+01	9.25E-01	-4.39E-02	0.00E+00
2.70E+00	4.73E+01	9.70E-01	-2.93E-02	0.00E+00
2.72E+00	4.75E+01	6.03E-01	-2.20E-02	0.00E+00
2.74E+00	4.70E+01	9.55E-01	-8.54E-03	0.00E+00
2.76E+00	4.68E+01	8.18E-01	-9.77E-03	0.00E+00
2.78E+00	4.66E+01	9.86E-01	-1.95E-02	0.00E+00
2.80E+00	4.64E+01	9.70E-01	-1.59E-02	0.00E+00
2.82E+00	4.62E+01	7.87E-01	-7.32E-03	0.00E+00
2.84E+00	4.57E+01	7.87E-01	-1.95E-02	0.00E+00
2.86E+00	4.57E+01	1.03E+00	-1.34E-02	0.00E+00
2.88E+00	4.55E+01	9.70E-01	-1.22E-02	0.00E+00
2.90E+00	4.52E+01	9.70E-01	-2.20E-02	0.00E+00
2.92E+00	4.49E+01	8.79E-01	-1.95E-02	0.00E+00
2.94E+00	4.45E+01	8.33E-01	-1.22E-02	0.00E+00
2.96E+00	4.46E+01	9.40E-01	-2.20E-02	0.00E+00
2.98E+00	4.40E+01	1.09E+00	-2.44E-02	0.00E+00
3.00E+00	4.41E+01	1.03E+00	-8.54E-03	0.00E+00
3.02E+00	4.34E+01	8.79E-01	-1.46E-02	0.00E+00
3.04E+00	4.35E+01	9.70E-01	-2.93E-02	0.00E+00
3.06E+00	4.31E+01	9.09E-01	2.44E-03	0.00E+00
3.08E+00	4.27E+01	9.70E-01	-3.78E-02	0.00E+00
3.10E+00	4.27E+01	8.48E-01	-3.17E-02	0.00E+00

3.12E+00	4.22E+01	6.95E-01	-9.77E-03	0.00E+00
3.14E+00	4.22E+01	1.00E+00	-1.71E-02	0.00E+00
3.16E+00	4.16E+01	1.18E+00	-2.93E-02	0.00E+00
3.18E+00	4.17E+01	8.79E-01	-9.77E-03	0.00E+00
3.20E+00	4.13E+01	8.18E-01	-1.46E-02	0.00E+00
3.22E+00	4.12E+01	1.06E+00	-2.20E-02	0.00E+00
3.24E+00	4.09E+01	1.08E+00	-4.88E-03	0.00E+00
3.26E+00	4.05E+01	8.63E-01	-1.46E-02	0.00E+00
3.28E+00	4.05E+01	9.25E-01	-2.20E-02	0.00E+00
3.30E+00	4.01E+01	1.12E+00	-1.83E-02	0.00E+00
3.32E+00	4.00E+01	1.03E+00	9.77E-03	0.00E+00
3.34E+00	3.97E+01	8.48E-01	-9.77E-03	0.00E+00
3.36E+00	3.97E+01	9.70E-01	-3.17E-02	0.00E+00
3.38E+00	3.92E+01	8.79E-01	-4.88E-03	0.00E+00
3.40E+00	3.90E+01	9.40E-01	1.46E-02	0.00E+00
3.42E+00	3.87E+01	9.70E-01	-4.15E-02	0.00E+00
3.44E+00	3.87E+01	1.14E+00	-1.46E-02	0.00E+00
3.46E+00	3.82E+01	1.28E+00	-2.20E-02	0.00E+00
3.48E+00	3.80E+01	1.22E+00	-1.71E-02	0.00E+00
3.50E+00	3.78E+01	1.03E+00	-2.44E-02	0.00E+00
3.52E+00	3.73E+01	9.40E-01	2.44E-03	0.00E+00
3.54E+00	3.74E+01	9.55E-01	-2.56E-02	0.00E+00
3.56E+00	3.70E+01	1.08E+00	-2.44E-02	0.00E+00
3.58E+00	3.67E+01	1.09E+00	-7.32E-03	0.00E+00
3.60E+00	3.63E+01	8.63E-01	-3.66E-02	0.00E+00
3.62E+00	3.64E+01	1.00E+00	-1.95E-02	0.00E+00
3.64E+00	3.58E+01	1.06E+00	-7.32E-03	0.00E+00
3.66E+00	3.57E+01	1.00E+00	-1.46E-02	0.00E+00
3.68E+00	3.53E+01	9.09E-01	0.00E+00	0.00E+00
3.70E+00	3.52E+01	1.06E+00	-3.78E-02	0.00E+00
3.72E+00	3.47E+01	8.79E-01	-6.10E-03	0.00E+00
3.74E+00	3.46E+01	6.34E-01	-2.44E-02	0.00E+00
3.76E+00	3.43E+01	1.06E+00	-1.46E-02	0.00E+00
3.78E+00	3.41E+01	1.00E+00	-2.44E-02	0.00E+00
3.80E+00	3.38E+01	9.09E-01	-6.10E-03	0.00E+00
3.82E+00	3.35E+01	8.79E-01	-2.81E-02	0.00E+00
3.84E+00	3.34E+01	1.00E+00	-1.34E-02	0.00E+00
3.86E+00	3.27E+01	9.40E-01	-9.77E-03	0.00E+00
3.88E+00	3.26E+01	8.48E-01	-1.95E-02	0.00E+00
3.90E+00	3.24E+01	1.06E+00	-2.69E-02	0.00E+00
3.92E+00	3.20E+01	9.09E-01	-7.32E-03	0.00E+00
3.94E+00	3.17E+01	8.18E-01	-2.93E-02	0.00E+00
3.96E+00	3.15E+01	1.06E+00	-2.69E-02	0.00E+00
3.98E+00	3.11E+01	1.03E+00	-6.10E-03	0.00E+00
4.00E+00	3.10E+01	7.41E-01	-1.71E-02	0.00E+00
4.02E+00	3.06E+01	9.09E-01	-1.95E-02	0.00E+00
4.04E+00	3.04E+01	1.00E+00	-1.71E-02	0.00E+00

4.06E+00	2.99E+01	1.03E+00	-9.77E-03	0.00E+00
4.08E+00	2.99E+01	9.86E-01	-1.22E-02	0.00E+00
4.10E+00	2.94E+01	9.09E-01	-2.44E-02	0.00E+00
4.12E+00	2.96E+01	1.06E+00	-1.10E-02	0.00E+00
4.14E+00	2.88E+01	8.63E-01	-2.08E-02	0.00E+00
4.16E+00	2.89E+01	9.70E-01	-2.44E-02	0.00E+00
4.18E+00	2.83E+01	9.40E-01	-1.71E-02	0.00E+00
4.20E+00	2.82E+01	1.03E+00	-1.10E-02	0.00E+00
4.22E+00	2.77E+01	9.86E-01	-4.88E-02	0.00E+00
4.24E+00	2.75E+01	9.09E-01	-7.32E-03	0.00E+00
4.26E+00	2.71E+01	7.72E-01	-1.83E-02	0.00E+00
4.28E+00	2.67E+01	7.87E-01	-1.34E-02	0.00E+00
4.30E+00	2.66E+01	9.70E-01	-2.44E-02	0.00E+00
4.32E+00	2.59E+01	1.03E+00	-2.44E-02	0.00E+00
4.34E+00	2.60E+01	9.09E-01	-1.22E-02	0.00E+00
4.36E+00	2.54E+01	9.40E-01	-2.44E-02	0.00E+00
4.38E+00	2.54E+01	1.25E+00	-1.95E-02	0.00E+00
4.40E+00	2.48E+01	1.00E+00	2.44E-03	0.00E+00
4.42E+00	2.47E+01	9.25E-01	-2.44E-02	0.00E+00
4.44E+00	2.45E+01	1.12E+00	-1.95E-02	0.00E+00
4.46E+00	2.42E+01	9.86E-01	-7.32E-03	0.00E+00
4.48E+00	2.39E+01	9.09E-01	0.00E+00	0.00E+00
4.50E+00	2.36E+01	9.40E-01	-2.20E-02	0.00E+00
4.52E+00	2.35E+01	9.70E-01	-2.20E-02	0.00E+00
4.54E+00	2.30E+01	1.06E+00	-1.46E-02	0.00E+00
4.56E+00	2.28E+01	1.03E+00	-1.46E-02	0.00E+00
4.58E+00	2.26E+01	1.00E+00	-2.44E-02	0.00E+00
4.60E+00	2.23E+01	1.03E+00	2.44E-03	0.00E+00
4.62E+00	2.18E+01	4.51E-01	-1.34E-02	0.00E+00
4.64E+00	2.19E+01	1.00E+00	-2.20E-02	0.00E+00
4.66E+00	2.13E+01	1.03E+00	-1.71E-02	0.00E+00
4.68E+00	2.13E+01	1.00E+00	-9.77E-03	0.00E+00
4.70E+00	2.08E+01	8.18E-01	-2.93E-02	0.00E+00
4.72E+00	2.06E+01	1.03E+00	-1.95E-02	0.00E+00
4.74E+00	2.00E+01	1.02E+00	-9.77E-03	0.00E+00
4.76E+00	1.99E+01	7.87E-01	-1.71E-02	0.00E+00
4.78E+00	1.96E+01	1.15E+00	-1.46E-02	0.00E+00
4.80E+00	1.92E+01	8.94E-01	-7.32E-03	0.00E+00
4.82E+00	1.89E+01	8.63E-01	-9.77E-03	0.00E+00
4.84E+00	1.88E+01	9.70E-01	-5.25E-02	0.00E+00
4.86E+00	1.84E+01	9.70E-01	-2.44E-02	0.00E+00
4.88E+00	1.80E+01	1.06E+00	-9.77E-03	0.00E+00
4.90E+00	1.78E+01	8.94E-01	-2.20E-02	0.00E+00
4.92E+00	1.77E+01	1.05E+00	-1.22E-02	0.00E+00
4.94E+00	1.72E+01	8.79E-01	-2.20E-02	0.00E+00
4.96E+00	1.70E+01	9.40E-01	-1.22E-02	0.00E+00
4.98E+00	1.66E+01	1.02E+00	-1.95E-02	0.00E+00

5.00E+00	1.63E+01	1.03E+00	-7.32E-03	0.00E+00
5.02E+00	1.61E+01	7.41E-01	-3.91E-02	0.00E+00
5.04E+00	1.60E+01	9.40E-01	-2.44E-03	0.00E+00
5.06E+00	1.55E+01	1.00E+00	-9.77E-03	0.00E+00
5.08E+00	1.55E+01	9.70E-01	-2.93E-02	0.00E+00
5.10E+00	1.50E+01	9.09E-01	-3.17E-02	0.00E+00
5.12E+00	1.50E+01	9.70E-01	-1.34E-02	0.00E+00
5.14E+00	1.44E+01	8.79E-01	-7.32E-03	0.00E+00
5.16E+00	1.44E+01	6.34E-01	-1.83E-02	0.00E+00
5.18E+00	1.40E+01	9.40E-01	-1.22E-02	0.00E+00
5.20E+00	1.36E+01	8.18E-01	-1.59E-02	0.00E+00
5.22E+00	1.35E+01	9.86E-01	-2.44E-02	0.00E+00
5.24E+00	1.32E+01	1.12E+00	-9.77E-03	0.00E+00
5.26E+00	1.29E+01	9.55E-01	-7.32E-03	0.00E+00
5.28E+00	1.25E+01	8.18E-01	-1.46E-02	0.00E+00
5.30E+00	1.24E+01	9.55E-01	-3.30E-02	0.00E+00
5.32E+00	1.20E+01	9.40E-01	-1.46E-02	0.00E+00
5.34E+00	1.19E+01	1.11E+00	-1.71E-02	0.00E+00
5.36E+00	1.14E+01	1.09E+00	-1.95E-02	0.00E+00
5.38E+00	1.15E+01	9.55E-01	-1.46E-02	0.00E+00
5.40E+00	1.07E+01	8.18E-01	2.44E-03	0.00E+00
5.42E+00	1.09E+01	5.73E-01	-2.44E-02	0.00E+00
5.44E+00	1.03E+01	8.18E-01	-1.95E-02	0.00E+00
5.46E+00	1.03E+01	9.40E-01	-4.88E-03	0.00E+00
5.48E+00	9.56E+00	9.86E-01	-3.05E-02	0.00E+00
5.50E+00	9.61E+00	9.09E-01	-1.34E-02	0.00E+00
5.52E+00	9.37E+00	1.06E+00	-8.54E-03	0.00E+00
5.54E+00	9.00E+00	8.79E-01	-1.59E-02	0.00E+00
5.56E+00	9.19E+00	8.18E-01	-3.30E-02	0.00E+00
5.58E+00	9.15E+00	8.18E-01	-1.22E-03	0.00E+00
5.60E+00	9.08E+00	9.86E-01	-2.08E-02	0.00E+00
5.62E+00	9.03E+00	1.00E+00	-1.71E-02	0.00E+00
5.64E+00	9.12E+00	7.26E-01	-2.44E-02	0.00E+00
5.66E+00	9.24E+00	8.63E-01	-1.59E-02	0.00E+00
5.68E+00	9.14E+00	7.87E-01	-9.77E-03	0.00E+00
5.70E+00	9.53E+00	1.03E+00	-1.83E-02	0.00E+00
5.72E+00	9.59E+00	8.48E-01	-7.32E-03	0.00E+00
5.74E+00	1.01E+01	9.40E-01	-1.46E-02	0.00E+00
5.76E+00	1.01E+01	8.94E-01	-3.17E-02	0.00E+00
5.78E+00	1.06E+01	1.06E+00	-2.20E-02	0.00E+00
5.80E+00	1.07E+01	7.72E-01	-6.10E-03	0.00E+00
5.82E+00	1.12E+01	8.18E-01	-2.20E-02	0.00E+00
5.84E+00	1.21E+01	8.48E-01	-4.88E-03	0.00E+00
5.86E+00	1.20E+01	8.48E-01	-3.17E-02	0.00E+00
5.88E+00	1.26E+01	1.12E+00	-2.93E-02	0.00E+00
5.90E+00	1.26E+01	1.11E+00	-2.20E-02	0.00E+00
5.92E+00	1.29E+01	9.70E-01	-3.30E-02	0.00E+00

5.94E+00	1.30E+01	8.18E-01	-3.66E-03	0.00E+00
5.96E+00	1.31E+01	8.48E-01	-1.22E-02	0.00E+00
5.98E+00	1.32E+01	9.70E-01	-2.44E-02	0.00E+00
6.00E+00	1.32E+01	1.11E+00	-4.88E-03	0.00E+00
6.02E+00	1.30E+01	8.48E-01	-1.22E-02	0.00E+00
6.04E+00	1.31E+01	1.12E+00	-3.17E-02	0.00E+00
6.06E+00	1.27E+01	1.12E+00	-1.71E-02	0.00E+00
6.08E+00	1.29E+01	1.06E+00	-9.77E-03	0.00E+00
6.10E+00	1.25E+01	7.10E-01	-2.69E-02	0.00E+00
6.12E+00	1.25E+01	9.40E-01	-1.83E-02	0.00E+00
6.14E+00	1.26E+01	1.00E+00	-2.20E-02	0.00E+00
6.16E+00	1.21E+01	1.18E+00	-8.54E-03	0.00E+00
6.18E+00	1.18E+01	9.09E-01	7.32E-03	0.00E+00
6.20E+00	1.20E+01	9.09E-01	-1.10E-02	0.00E+00
6.22E+00	1.20E+01	1.00E+00	-1.22E-02	0.00E+00
6.24E+00	1.20E+01	1.06E+00	-1.10E-02	0.00E+00
6.26E+00	1.20E+01	8.79E-01	4.88E-03	0.00E+00
6.28E+00	1.23E+01	9.40E-01	-4.88E-03	0.00E+00
6.30E+00	1.21E+01	1.12E+00	-3.17E-02	0.00E+00
6.32E+00	1.20E+01	1.34E+00	-1.22E-02	0.00E+00
6.34E+00	1.20E+01	6.80E-01	-1.95E-02	0.00E+00
6.36E+00	1.23E+01	9.70E-01	-2.20E-02	0.00E+00
6.38E+00	1.25E+01	9.70E-01	-1.34E-02	0.00E+00
6.40E+00	1.26E+01	8.79E-01	-4.88E-03	0.00E+00
6.42E+00	1.26E+01	1.00E+00	-2.44E-02	0.00E+00
6.44E+00	1.25E+01	1.28E+00	-1.71E-02	0.00E+00
6.46E+00	1.26E+01	9.70E-01	9.77E-03	0.00E+00
6.48E+00	1.25E+01	7.10E-01	-7.32E-03	0.00E+00
6.50E+00	1.27E+01	9.86E-01	-2.20E-02	0.00E+00
6.52E+00	1.26E+01	1.11E+00	-1.46E-02	0.00E+00
6.54E+00	1.26E+01	9.55E-01	6.10E-03	0.00E+00
6.56E+00	1.24E+01	8.79E-01	0.00E+00	0.00E+00
6.58E+00	1.26E+01	1.22E+00	-2.56E-02	0.00E+00
6.60E+00	1.26E+01	1.18E+00	-1.22E-02	0.00E+00
6.62E+00	1.25E+01	8.79E-01	-7.32E-03	0.00E+00
6.64E+00	1.23E+01	8.18E-01	-2.32E-02	0.00E+00
6.66E+00	1.27E+01	7.26E-01	-2.32E-02	0.00E+00
6.68E+00	1.26E+01	1.03E+00	-1.46E-02	0.00E+00
6.70E+00	1.26E+01	9.55E-01	-1.22E-02	0.00E+00
6.72E+00	1.24E+01	9.86E-01	-1.71E-02	0.00E+00
6.74E+00	1.26E+01	1.02E+00	-2.32E-02	0.00E+00
6.76E+00	1.26E+01	9.86E-01	-1.46E-02	0.00E+00
6.78E+00	1.25E+01	8.63E-01	-1.22E-02	0.00E+00
6.80E+00	1.25E+01	9.09E-01	-2.56E-02	0.00E+00
6.82E+00	1.27E+01	9.70E-01	-4.88E-03	0.00E+00
6.84E+00	1.25E+01	9.09E-01	-4.88E-03	0.00E+00
6.86E+00	1.25E+01	1.03E+00	-9.77E-03	0.00E+00

6.88E+00	1.25E+01	8.02E-01	-2.93E-02	0.00E+00
6.90E+00	1.25E+01	1.06E+00	-1.95E-02	0.00E+00
6.92E+00	1.25E+01	1.02E+00	-2.20E-02	0.00E+00
6.94E+00	1.25E+01	7.56E-01	-4.88E-03	0.00E+00
6.96E+00	1.26E+01	8.18E-01	-2.32E-02	0.00E+00
6.98E+00	1.24E+01	1.18E+00	-1.34E-02	0.00E+00
7.00E+00	1.26E+01	8.48E-01	-2.32E-02	0.00E+00
7.02E+00	1.25E+01	9.70E-01	-1.95E-02	0.00E+00
7.04E+00	1.26E+01	8.18E-01	-2.69E-02	0.00E+00
7.06E+00	1.25E+01	1.15E+00	-9.77E-03	0.00E+00
7.08E+00	1.25E+01	7.26E-01	-1.22E-03	0.00E+00
7.10E+00	1.26E+01	8.79E-01	-2.08E-02	0.00E+00
7.12E+00	1.27E+01	7.56E-01	-2.20E-02	0.00E+00
7.14E+00	1.25E+01	1.12E+00	-7.32E-03	0.00E+00
7.16E+00	1.25E+01	1.03E+00	1.22E-03	0.00E+00
7.18E+00	1.25E+01	9.40E-01	-4.88E-03	0.00E+00
7.20E+00	1.26E+01	1.15E+00	-3.17E-02	0.00E+00
7.22E+00	1.25E+01	7.87E-01	-9.77E-03	0.00E+00
7.24E+00	1.25E+01	9.09E-01	-9.77E-03	0.00E+00
7.26E+00	1.25E+01	7.56E-01	-2.20E-02	0.00E+00
7.28E+00	1.25E+01	7.56E-01	-1.71E-02	0.00E+00
7.30E+00	1.25E+01	9.86E-01	-7.32E-03	0.00E+00
7.32E+00	1.25E+01	8.02E-01	-1.71E-02	0.00E+00
7.34E+00	1.24E+01	8.94E-01	-2.93E-02	0.00E+00
7.36E+00	1.27E+01	1.03E+00	-1.59E-02	0.00E+00
7.38E+00	1.26E+01	1.08E+00	-1.22E-02	0.00E+00
7.40E+00	1.25E+01	8.79E-01	-1.59E-02	0.00E+00
7.42E+00	1.26E+01	9.09E-01	-2.93E-02	0.00E+00
7.44E+00	1.25E+01	1.09E+00	-1.95E-02	0.00E+00
7.46E+00	1.20E+01	7.87E-01	-1.71E-02	0.00E+00
7.48E+00	1.21E+01	8.63E-01	-2.56E-02	0.00E+00
7.50E+00	1.25E+01	8.48E-01	-1.46E-02	0.00E+00
7.52E+00	1.21E+01	1.12E+00	-1.22E-02	0.00E+00
7.54E+00	1.19E+01	1.00E+00	-7.32E-03	0.00E+00
7.56E+00	1.19E+01	8.79E-01	-1.71E-02	0.00E+00
7.58E+00	1.20E+01	9.70E-01	-1.71E-02	0.00E+00
7.60E+00	1.19E+01	1.03E+00	-7.32E-03	0.00E+00
7.62E+00	1.14E+01	8.79E-01	-2.08E-02	0.00E+00
7.64E+00	1.11E+01	9.09E-01	-3.91E-02	0.00E+00
7.66E+00	1.13E+01	9.09E-01	-9.77E-03	0.00E+00
7.68E+00	1.13E+01	1.12E+00	0.00E+00	0.00E+00
7.70E+00	1.07E+01	7.56E-01	-3.42E-02	0.00E+00
7.72E+00	1.04E+01	8.94E-01	-1.46E-02	0.00E+00
7.74E+00	1.09E+01	8.18E-01	-1.71E-02	0.00E+00
7.76E+00	1.02E+01	8.18E-01	-4.88E-03	0.00E+00
7.78E+00	1.01E+01	6.65E-01	-1.71E-02	0.00E+00
7.80E+00	9.85E+00	1.03E+00	-2.20E-02	0.00E+00

7.82E+00	1.02E+01	1.00E+00	-1.95E-02	0.00E+00
7.84E+00	9.70E+00	1.08E+00	-4.88E-03	0.00E+00
7.86E+00	9.72E+00	9.70E-01	-5.00E-02	0.00E+00
7.88E+00	9.46E+00	1.00E+00	-1.95E-02	0.00E+00
7.90E+00	9.69E+00	9.55E-01	-3.66E-03	0.00E+00
7.92E+00	9.67E+00	1.06E+00	-2.93E-02	0.00E+00
7.94E+00	9.71E+00	1.09E+00	-2.20E-02	0.00E+00
7.96E+00	9.71E+00	1.00E+00	-1.71E-02	0.00E+00
7.98E+00	9.66E+00	1.06E+00	-2.93E-02	0.00E+00
8.00E+00	9.48E+00	9.70E-01	-1.95E-02	0.00E+00
8.02E+00	9.68E+00	9.70E-01	-4.88E-03	0.00E+00
8.04E+00	9.91E+00	9.09E-01	-1.46E-02	0.00E+00
8.06E+00	9.76E+00	7.26E-01	-1.34E-02	0.00E+00
8.08E+00	1.03E+01	1.00E+00	-2.69E-02	0.00E+00
8.10E+00	1.06E+01	9.55E-01	-9.77E-03	0.00E+00
8.12E+00	1.09E+01	1.06E+00	-2.32E-02	0.00E+00
8.14E+00	1.11E+01	1.29E+00	-2.44E-02	0.00E+00
8.16E+00	1.20E+01	1.23E+00	-2.32E-02	0.00E+00
8.18E+00	1.21E+01	1.06E+00	-8.54E-03	0.00E+00
8.20E+00	1.20E+01	9.09E-01	-1.22E-02	0.00E+00
8.22E+00	1.25E+01	8.79E-01	-1.71E-02	0.00E+00
8.24E+00	1.28E+01	9.40E-01	-1.95E-02	0.00E+00
8.26E+00	1.26E+01	9.70E-01	-6.10E-03	0.00E+00
8.28E+00	1.31E+01	1.15E+00	-1.22E-02	0.00E+00
8.30E+00	1.33E+01	9.70E-01	-1.22E-02	0.00E+00
8.32E+00	1.32E+01	1.09E+00	-1.46E-02	0.00E+00
8.34E+00	1.31E+01	9.55E-01	-4.88E-03	0.00E+00
8.36E+00	1.26E+01	1.11E+00	-1.46E-02	0.00E+00
8.38E+00	1.29E+01	5.42E-01	-1.95E-02	0.00E+00
8.40E+00	1.28E+01	1.11E+00	-2.93E-02	0.00E+00
8.42E+00	1.26E+01	1.03E+00	-3.66E-03	0.00E+00
8.44E+00	1.20E+01	1.11E+00	-2.20E-02	0.00E+00
8.46E+00	1.24E+01	1.06E+00	-1.34E-02	0.00E+00
8.48E+00	1.21E+01	8.79E-01	-2.44E-02	0.00E+00
8.50E+00	1.20E+01	8.48E-01	-9.77E-03	0.00E+00
8.52E+00	1.18E+01	8.79E-01	-2.44E-02	0.00E+00
8.54E+00	1.19E+01	7.26E-01	-1.46E-02	0.00E+00
8.56E+00	1.21E+01	1.06E+00	-1.95E-02	0.00E+00
8.58E+00	1.20E+01	1.17E+00	-4.88E-03	0.00E+00
8.60E+00	1.21E+01	9.70E-01	9.77E-03	0.00E+00
8.62E+00	1.24E+01	9.86E-01	-1.95E-02	0.00E+00
8.64E+00	1.22E+01	9.70E-01	-4.88E-03	0.00E+00
8.66E+00	1.21E+01	8.63E-01	-1.83E-02	0.00E+00
8.68E+00	1.21E+01	7.26E-01	-1.95E-02	0.00E+00
8.70E+00	1.21E+01	8.79E-01	-2.20E-02	0.00E+00
8.72E+00	1.20E+01	1.03E+00	7.32E-03	0.00E+00
8.74E+00	1.21E+01	8.63E-01	-2.44E-02	0.00E+00

8.76E+00	1.20E+01	9.40E-01	-2.44E-02	0.00E+00
8.78E+00	1.22E+01	1.00E+00	-2.32E-02	0.00E+00
8.80E+00	1.20E+01	9.25E-01	-2.44E-03	0.00E+00
8.82E+00	1.20E+01	1.03E+00	-4.27E-02	0.00E+00
8.84E+00	1.20E+01	8.33E-01	-2.08E-02	0.00E+00
8.86E+00	1.22E+01	1.00E+00	-3.17E-02	0.00E+00
8.88E+00	1.20E+01	1.11E+00	-4.88E-03	0.00E+00
8.90E+00	1.21E+01	7.87E-01	-2.32E-02	0.00E+00
8.92E+00	1.21E+01	7.87E-01	-1.95E-02	0.00E+00
8.94E+00	1.21E+01	1.03E+00	-9.77E-03	0.00E+00
8.96E+00	1.20E+01	9.70E-01	-1.71E-02	0.00E+00
8.98E+00	1.21E+01	5.88E-01	-1.22E-02	0.00E+00
9.00E+00	1.21E+01	9.25E-01	-1.83E-02	0.00E+00
9.02E+00	1.21E+01	1.00E+00	-2.20E-02	0.00E+00
9.04E+00	1.20E+01	8.79E-01	6.10E-03	0.00E+00
9.06E+00	1.21E+01	7.87E-01	-4.88E-03	0.00E+00
9.08E+00	1.21E+01	1.02E+00	-1.59E-02	0.00E+00
9.10E+00	1.21E+01	1.26E+00	-1.95E-02	0.00E+00
9.12E+00	1.19E+01	1.05E+00	-9.77E-03	0.00E+00
9.14E+00	1.21E+01	8.79E-01	-2.20E-02	0.00E+00
9.16E+00	1.21E+01	9.40E-01	-1.22E-02	0.00E+00
9.18E+00	1.22E+01	8.48E-01	-9.77E-03	0.00E+00
9.20E+00	1.20E+01	9.70E-01	-4.88E-03	0.00E+00
9.22E+00	1.20E+01	8.18E-01	-1.95E-02	0.00E+00
9.24E+00	1.21E+01	8.48E-01	-2.20E-02	0.00E+00
9.26E+00	1.21E+01	1.09E+00	-3.91E-02	0.00E+00
9.28E+00	1.20E+01	1.02E+00	0.00E+00	0.00E+00
9.30E+00	1.21E+01	8.94E-01	-1.46E-02	0.00E+00
9.32E+00	1.21E+01	7.10E-01	-1.46E-02	0.00E+00
9.34E+00	1.21E+01	1.03E+00	-1.95E-02	0.00E+00
9.36E+00	1.19E+01	1.00E+00	-4.88E-03	0.00E+00
9.38E+00	1.20E+01	7.72E-01	-2.44E-03	0.00E+00
9.40E+00	1.21E+01	8.48E-01	3.66E-03	0.00E+00
9.42E+00	1.21E+01	1.15E+00	-2.93E-02	0.00E+00
9.44E+00	1.20E+01	1.09E+00	-8.54E-03	0.00E+00
9.46E+00	1.20E+01	9.40E-01	-1.46E-02	0.00E+00
9.48E+00	1.19E+01	1.09E+00	-3.17E-02	0.00E+00
9.50E+00	1.20E+01	1.00E+00	-3.66E-02	0.00E+00
9.52E+00	1.21E+01	9.55E-01	0.00E+00	0.00E+00
9.54E+00	1.20E+01	9.70E-01	-1.83E-02	0.00E+00
9.56E+00	1.20E+01	7.87E-01	-1.22E-02	0.00E+00
9.58E+00	1.22E+01	8.48E-01	-2.44E-02	0.00E+00
9.60E+00	1.21E+01	9.70E-01	-2.44E-03	0.00E+00
9.62E+00	1.21E+01	7.87E-01	-1.34E-02	0.00E+00
9.64E+00	1.21E+01	1.06E+00	-2.44E-02	0.00E+00
9.66E+00	1.21E+01	8.18E-01	-2.69E-02	0.00E+00
9.68E+00	1.21E+01	1.08E+00	-4.88E-03	0.00E+00

9.70E+00	1.21E+01	8.18E-01	-1.46E-02	0.00E+00
9.72E+00	1.20E+01	9.09E-01	-1.22E-02	0.00E+00
9.74E+00	1.21E+01	8.48E-01	-2.56E-02	0.00E+00
9.76E+00	1.21E+01	8.63E-01	-1.95E-02	0.00E+00
9.78E+00	1.21E+01	9.40E-01	9.77E-03	0.00E+00
9.80E+00	1.24E+01	8.79E-01	-7.32E-03	0.00E+00
9.82E+00	1.19E+01	8.18E-01	-2.81E-02	0.00E+00
9.84E+00	1.21E+01	9.40E-01	-3.42E-02	0.00E+00
9.86E+00	1.20E+01	1.25E+00	-8.54E-03	0.00E+00
9.88E+00	1.20E+01	9.40E-01	-1.34E-02	0.00E+00
9.90E+00	1.20E+01	8.18E-01	6.10E-03	0.00E+00
9.92E+00	1.16E+01	9.40E-01	-2.20E-02	0.00E+00
9.94E+00	1.15E+01	9.09E-01	-1.34E-02	0.00E+00
9.96E+00	1.10E+01	1.14E+00	-1.46E-02	0.00E+00
9.98E+00	1.12E+01	8.18E-01	-7.32E-03	0.00E+00
1.00E+01	1.13E+01	8.79E-01	-5.37E-02	0.00E+00
1.00E+01	1.07E+01	1.15E+00	-2.08E-02	0.00E+00
1.00E+01	1.03E+01	1.03E+00	-1.95E-02	0.00E+00
1.01E+01	1.09E+01	9.40E-01	-6.10E-03	0.00E+00
1.01E+01	1.03E+01	8.79E-01	-2.20E-02	0.00E+00
1.01E+01	9.89E+00	1.00E+00	-1.46E-02	0.00E+00
1.01E+01	9.84E+00	9.40E-01	1.95E-02	0.00E+00
1.01E+01	1.02E+01	8.18E-01	-1.71E-02	0.00E+00
1.02E+01	9.88E+00	6.19E-01	-1.95E-02	0.00E+00
1.02E+01	9.47E+00	8.79E-01	-9.77E-03	0.00E+00
1.02E+01	9.33E+00	8.63E-01	-1.71E-02	0.00E+00
1.02E+01	9.85E+00	8.79E-01	-2.93E-02	0.00E+00
1.02E+01	9.47E+00	9.70E-01	-1.34E-02	0.00E+00
1.03E+01	9.09E+00	9.70E-01	-7.32E-03	0.00E+00
1.03E+01	9.03E+00	1.12E+00	-1.95E-02	0.00E+00
1.03E+01	9.09E+00	9.40E-01	-2.44E-02	0.00E+00
1.03E+01	9.00E+00	1.08E+00	-1.46E-02	0.00E+00
1.03E+01	9.09E+00	7.56E-01	-9.77E-03	0.00E+00
1.04E+01	9.04E+00	8.18E-01	-4.88E-03	0.00E+00
1.04E+01	9.10E+00	9.40E-01	-2.20E-02	0.00E+00
1.04E+01	9.25E+00	1.12E+00	-1.71E-02	0.00E+00
1.04E+01	9.47E+00	9.09E-01	2.08E-02	0.00E+00
1.04E+01	9.32E+00	8.18E-01	-4.88E-03	0.00E+00
1.05E+01	9.54E+00	6.34E-01	-2.08E-02	0.00E+00
1.05E+01	9.72E+00	1.06E+00	-1.95E-02	0.00E+00
1.05E+01	9.93E+00	7.26E-01	-6.10E-03	0.00E+00
1.05E+01	9.73E+00	7.72E-01	9.77E-03	0.00E+00
1.05E+01	1.00E+01	9.09E-01	-1.71E-02	0.00E+00
1.06E+01	1.06E+01	1.12E+00	-2.20E-02	0.00E+00
1.06E+01	1.03E+01	1.25E+00	-1.71E-02	0.00E+00
1.06E+01	1.06E+01	1.00E+00	-1.46E-02	0.00E+00
1.06E+01	1.15E+01	8.18E-01	-2.56E-02	0.00E+00

1.06E+01	1.09E+01	1.09E+00	-2.44E-03	0.00E+00
1.07E+01	1.13E+01	7.87E-01	1.22E-03	0.00E+00
1.07E+01	1.19E+01	7.87E-01	-4.88E-03	0.00E+00
1.07E+01	1.19E+01	7.56E-01	-2.20E-02	0.00E+00
1.07E+01	1.21E+01	1.08E+00	-2.08E-02	0.00E+00
1.07E+01	1.21E+01	8.79E-01	-1.46E-02	0.00E+00
1.08E+01	1.19E+01	9.55E-01	-9.77E-03	0.00E+00
1.08E+01	1.21E+01	8.79E-01	-2.81E-02	0.00E+00
1.08E+01	1.22E+01	1.28E+00	-1.71E-02	0.00E+00
1.08E+01	1.25E+01	9.40E-01	-2.93E-02	0.00E+00
1.08E+01	1.26E+01	8.79E-01	-1.22E-02	0.00E+00
1.09E+01	1.26E+01	7.56E-01	-1.59E-02	0.00E+00
1.09E+01	1.27E+01	1.28E+00	-1.10E-02	0.00E+00
1.09E+01	1.26E+01	9.09E-01	-9.77E-03	0.00E+00
1.09E+01	1.26E+01	1.02E+00	-1.22E-02	0.00E+00
1.09E+01	1.28E+01	9.09E-01	-4.15E-02	0.00E+00
1.10E+01	1.31E+01	1.06E+00	-3.91E-02	0.00E+00
1.10E+01	1.31E+01	1.31E+00	-2.44E-03	0.00E+00
1.10E+01	1.32E+01	7.87E-01	-1.22E-02	0.00E+00
1.10E+01	1.32E+01	8.48E-01	-1.46E-02	0.00E+00
1.10E+01	1.40E+01	8.63E-01	-1.71E-02	0.00E+00
1.11E+01	1.38E+01	1.18E+00	-1.83E-02	0.00E+00
1.11E+01	1.38E+01	1.09E+00	-2.20E-02	0.00E+00
1.11E+01	1.40E+01	1.06E+00	-1.71E-02	0.00E+00
1.11E+01	1.43E+01	1.04E+01	-2.20E-02	0.00E+00
1.11E+01	1.44E+01	1.52E+01	-2.69E-02	0.00E+00
1.12E+01	1.44E+01	2.00E+01	-7.32E-03	0.00E+00
1.12E+01	1.43E+01	2.13E+01	-1.71E-02	0.00E+00
1.12E+01	1.43E+01	1.16E+01	-7.32E-03	0.00E+00
1.12E+01	1.44E+01	5.25E+00	-2.69E-02	0.00E+00
1.12E+01	1.44E+01	5.63E+00	-2.44E-02	0.00E+00
1.13E+01	1.45E+01	5.28E+00	-9.77E-03	0.00E+00
1.13E+01	1.43E+01	9.81E+00	-1.95E-02	0.00E+00
1.13E+01	1.44E+01	1.46E+01	-2.81E-02	0.00E+00
1.13E+01	1.47E+01	1.60E+01	-2.20E-02	0.00E+00
1.13E+01	1.49E+01	1.73E+01	-1.46E-02	0.00E+00
1.14E+01	1.50E+01	1.46E+01	-4.88E-03	0.00E+00
1.14E+01	1.49E+01	1.17E+01	-2.93E-02	0.00E+00
1.14E+01	1.49E+01	1.12E+01	-1.95E-02	0.00E+00
1.14E+01	1.50E+01	1.16E+01	-2.44E-02	0.00E+00
1.14E+01	1.48E+01	1.32E+01	-4.88E-03	0.00E+00
1.15E+01	1.49E+01	1.48E+01	-2.44E-02	0.00E+00
1.15E+01	1.47E+01	1.53E+01	-2.69E-02	0.00E+00
1.15E+01	1.49E+01	1.49E+01	-1.95E-02	0.00E+00
1.15E+01	1.48E+01	1.38E+01	-7.32E-03	0.00E+00
1.15E+01	1.49E+01	1.33E+01	-2.56E-02	0.00E+00
1.16E+01	1.51E+01	1.40E+01	-9.77E-03	0.00E+00

1.16E+01	1.48E+01	1.45E+01	-2.08E-02	0.00E+00
1.16E+01	1.49E+01	1.57E+01	-1.59E-02	0.00E+00
1.16E+01	1.49E+01	1.68E+01	-2.93E-02	0.00E+00
1.16E+01	1.50E+01	1.78E+01	-2.69E-02	0.00E+00
1.17E+01	1.50E+01	1.99E+01	-2.93E-02	0.00E+00
1.17E+01	1.49E+01	2.20E+01	-2.44E-03	0.00E+00
1.17E+01	1.49E+01	2.40E+01	-2.44E-02	0.00E+00
1.17E+01	1.52E+01	2.60E+01	-1.46E-02	0.00E+00
1.17E+01	1.54E+01	2.71E+01	0.00E+00	0.00E+00
1.18E+01	1.56E+01	2.81E+01	-1.95E-02	0.00E+00
1.18E+01	1.55E+01	2.93E+01	-2.20E-02	0.00E+00
1.18E+01	1.55E+01	2.98E+01	-4.88E-03	0.00E+00
1.18E+01	1.55E+01	3.15E+01	-1.22E-02	0.00E+00
1.18E+01	1.55E+01	3.32E+01	-1.46E-02	0.00E+00
1.19E+01	1.56E+01	3.48E+01	-2.32E-02	0.00E+00
1.19E+01	1.61E+01	3.64E+01	-2.44E-03	0.00E+00
1.19E+01	1.61E+01	3.80E+01	-2.44E-02	0.00E+00
1.19E+01	1.62E+01	3.96E+01	-1.46E-02	0.00E+00
1.19E+01	1.60E+01	4.07E+01	-1.22E-02	0.00E+00
1.20E+01	1.61E+01	4.17E+01	-1.46E-02	0.00E+00
1.20E+01	1.59E+01	4.27E+01	-1.95E-02	0.00E+00
1.20E+01	1.61E+01	4.30E+01	-1.22E-02	0.00E+00
1.20E+01	1.60E+01	4.21E+01	-7.32E-03	0.00E+00
1.20E+01	1.61E+01	4.08E+01	-1.71E-02	0.00E+00
1.21E+01	1.63E+01	3.94E+01	-2.93E-02	0.00E+00
1.21E+01	1.62E+01	3.76E+01	-3.17E-02	0.00E+00
1.21E+01	1.60E+01	3.50E+01	-2.69E-02	0.00E+00
1.21E+01	1.61E+01	3.20E+01	-2.08E-02	0.00E+00
1.21E+01	1.61E+01	2.89E+01	-2.32E-02	0.00E+00
1.22E+01	1.56E+01	2.68E+01	-9.77E-03	0.00E+00
1.22E+01	1.55E+01	2.51E+01	8.54E-03	0.00E+00
1.22E+01	1.54E+01	2.37E+01	-1.22E-02	0.00E+00
1.22E+01	1.55E+01	2.24E+01	-2.32E-02	0.00E+00
1.22E+01	1.56E+01	2.09E+01	-5.25E-02	0.00E+00
1.23E+01	1.53E+01	1.86E+01	0.00E+00	0.00E+00
1.23E+01	1.49E+01	1.63E+01	-1.71E-02	0.00E+00
1.23E+01	1.50E+01	1.49E+01	-1.71E-02	0.00E+00
1.23E+01	1.50E+01	1.37E+01	-2.81E-02	0.00E+00
1.23E+01	1.49E+01	1.32E+01	-3.78E-02	0.00E+00
1.24E+01	1.48E+01	1.35E+01	-1.95E-02	0.00E+00
1.24E+01	1.49E+01	1.40E+01	-2.44E-02	0.00E+00
1.24E+01	1.50E+01	1.47E+01	-3.17E-02	0.00E+00
1.24E+01	1.49E+01	1.54E+01	-1.10E-02	0.00E+00
1.24E+01	1.49E+01	1.42E+01	-1.34E-02	0.00E+00
1.25E+01	1.49E+01	1.41E+01	-1.22E-02	0.00E+00
1.25E+01	1.50E+01	1.38E+01	-2.81E-02	0.00E+00
1.25E+01	1.51E+01	1.40E+01	-1.46E-02	0.00E+00

1.25E+01	1.48E+01	1.42E+01	-9.77E-03	0.00E+00
1.25E+01	1.49E+01	1.45E+01	-1.71E-02	0.00E+00
1.26E+01	1.50E+01	1.43E+01	-3.05E-02	0.00E+00
1.26E+01	1.48E+01	1.40E+01	-3.30E-02	0.00E+00
1.26E+01	1.50E+01	1.30E+01	-7.32E-03	0.00E+00
1.26E+01	1.49E+01	1.26E+01	-9.77E-03	0.00E+00
1.26E+01	1.50E+01	1.22E+01	-2.44E-02	0.00E+00
1.27E+01	1.50E+01	1.23E+01	-9.77E-03	0.00E+00
1.27E+01	1.49E+01	1.19E+01	-3.66E-03	0.00E+00
1.27E+01	1.49E+01	1.16E+01	-2.32E-02	0.00E+00
1.27E+01	1.50E+01	1.11E+01	-3.17E-02	0.00E+00
1.27E+01	1.50E+01	1.08E+01	-1.22E-02	0.00E+00
1.28E+01	1.49E+01	9.58E+00	-7.32E-03	0.00E+00
1.28E+01	1.48E+01	8.31E+00	-9.77E-03	0.00E+00
1.28E+01	1.46E+01	6.77E+00	-2.69E-02	0.00E+00
1.28E+01	1.44E+01	5.43E+00	0.00E+00	0.00E+00
1.28E+01	1.43E+01	4.00E+00	-1.46E-02	0.00E+00
1.29E+01	1.43E+01	2.93E+00	-2.20E-02	0.00E+00
1.29E+01	1.44E+01	2.19E+00	-2.32E-02	0.00E+00
1.29E+01	1.44E+01	1.69E+00	-1.95E-02	0.00E+00
1.29E+01	1.43E+01	1.15E+00	-3.17E-02	0.00E+00
1.29E+01	1.44E+01	1.02E+00	-2.69E-02	0.00E+00
1.30E+01	1.43E+01	1.03E+00	-2.32E-02	0.00E+00
1.30E+01	1.44E+01	1.03E+00	-2.44E-02	0.00E+00
1.30E+01	1.41E+01	9.70E-01	-1.46E-02	0.00E+00
1.30E+01	1.37E+01	1.12E+00	-2.44E-02	0.00E+00
1.30E+01	1.38E+01	9.40E-01	0.00E+00	0.00E+00
1.31E+01	1.37E+01	9.70E-01	-3.17E-02	0.00E+00
1.31E+01	1.37E+01	1.09E+00	-1.95E-02	0.00E+00
1.31E+01	1.36E+01	1.00E+00	-1.59E-02	0.00E+00
1.31E+01	1.31E+01	8.79E-01	-1.46E-02	0.00E+00
1.31E+01	1.32E+01	8.18E-01	-2.81E-02	0.00E+00
1.32E+01	1.32E+01	9.09E-01	-1.71E-02	0.00E+00
1.32E+01	1.30E+01	9.40E-01	7.32E-03	0.00E+00
1.32E+01	1.26E+01	8.94E-01	-1.83E-02	0.00E+00
1.32E+01	1.28E+01	8.79E-01	-2.56E-02	0.00E+00
1.32E+01	1.26E+01	1.06E+00	-2.20E-02	0.00E+00
1.33E+01	1.21E+01	9.40E-01	-1.22E-02	0.00E+00
1.33E+01	1.22E+01	9.70E-01	-1.71E-02	0.00E+00
1.33E+01	1.21E+01	1.23E+00	-1.59E-02	0.00E+00
1.33E+01	1.20E+01	9.70E-01	-1.59E-02	0.00E+00
1.33E+01	1.20E+01	8.18E-01	-2.20E-02	0.00E+00
1.34E+01	1.14E+01	8.18E-01	-4.88E-02	0.00E+00
1.34E+01	1.11E+01	8.79E-01	-2.69E-02	0.00E+00
1.34E+01	1.11E+01	1.09E+00	-9.77E-03	0.00E+00
1.34E+01	1.12E+01	9.09E-01	-1.22E-02	0.00E+00
1.34E+01	1.04E+01	9.40E-01	-2.20E-02	0.00E+00

1.35E+01	1.05E+01	1.05E+00	-3.54E-02	0.00E+00
1.35E+01	1.09E+01	1.06E+00	-1.71E-02	0.00E+00
1.35E+01	1.03E+01	1.00E+00	-1.22E-02	0.00E+00
1.35E+01	9.71E+00	8.63E-01	-2.20E-02	0.00E+00
1.35E+01	1.02E+01	9.09E-01	-2.69E-02	0.00E+00
1.36E+01	1.00E+01	1.03E+00	-1.10E-02	0.00E+00
1.36E+01	9.65E+00	9.09E-01	-1.22E-02	0.00E+00
1.36E+01	9.24E+00	8.48E-01	-2.93E-02	0.00E+00
1.36E+01	9.79E+00	9.40E-01	-2.69E-02	0.00E+00
1.36E+01	9.12E+00	1.00E+00	-1.71E-02	0.00E+00
1.37E+01	9.05E+00	1.09E+00	-1.59E-02	0.00E+00
1.37E+01	9.07E+00	8.48E-01	-2.44E-03	0.00E+00
1.37E+01	8.98E+00	9.55E-01	7.32E-03	0.00E+00
1.37E+01	8.73E+00	8.79E-01	-2.44E-03	0.00E+00
1.37E+01	8.77E+00	1.03E+00	-2.44E-02	0.00E+00
1.38E+01	8.81E+00	1.12E+00	-4.39E-02	0.00E+00
1.38E+01	8.64E+00	1.12E+00	-4.88E-03	0.00E+00
1.38E+01	8.67E+00	9.40E-01	-1.71E-02	0.00E+00
1.38E+01	9.04E+00	5.73E-01	-2.20E-02	0.00E+00
1.38E+01	9.17E+00	7.87E-01	-2.69E-02	0.00E+00
1.39E+01	9.33E+00	1.12E+00	-4.88E-03	0.00E+00
1.39E+01	9.15E+00	9.09E-01	-1.46E-02	0.00E+00
1.39E+01	9.30E+00	8.94E-01	-1.95E-02	0.00E+00
1.39E+01	9.79E+00	8.79E-01	-1.59E-02	0.00E+00
1.39E+01	1.01E+01	9.70E-01	-1.46E-02	0.00E+00
1.40E+01	9.98E+00	9.40E-01	-2.20E-02	0.00E+00
1.40E+01	1.06E+01	9.09E-01	-9.77E-03	0.00E+00
1.40E+01	1.03E+01	1.09E+00	-8.54E-03	0.00E+00
1.40E+01	1.04E+01	7.56E-01	-1.71E-02	0.00E+00
1.40E+01	1.13E+01	8.18E-01	-1.46E-02	0.00E+00
1.41E+01	1.10E+01	1.00E+00	-2.69E-02	0.00E+00
1.41E+01	1.13E+01	1.03E+00	-4.88E-03	0.00E+00
1.41E+01	1.18E+01	8.79E-01	-2.44E-02	0.00E+00
1.41E+01	1.20E+01	8.48E-01	-7.32E-03	0.00E+00
1.41E+01	1.20E+01	8.79E-01	-1.46E-02	0.00E+00
1.42E+01	1.20E+01	6.65E-01	-1.95E-02	0.00E+00
1.42E+01	1.21E+01	9.70E-01	-1.34E-02	0.00E+00
1.42E+01	1.21E+01	9.09E-01	9.77E-03	0.00E+00
1.42E+01	1.21E+01	9.09E-01	-2.32E-02	0.00E+00
1.42E+01	1.22E+01	6.95E-01	-1.95E-02	0.00E+00
1.43E+01	1.21E+01	8.79E-01	-9.77E-03	0.00E+00
1.43E+01	1.25E+01	8.48E-01	-8.54E-03	0.00E+00
1.43E+01	1.26E+01	9.09E-01	-2.44E-02	0.00E+00
1.43E+01	1.26E+01	7.56E-01	-2.69E-02	0.00E+00
1.43E+01	1.26E+01	9.25E-01	-9.77E-03	0.00E+00
1.44E+01	1.26E+01	7.87E-01	-9.77E-03	0.00E+00
1.44E+01	1.26E+01	8.48E-01	-3.17E-02	0.00E+00

1.44E+01	1.33E+01	7.41E-01	-1.95E-02	0.00E+00
1.44E+01	1.32E+01	6.80E-01	-1.71E-02	0.00E+00
1.44E+01	1.32E+01	8.79E-01	-1.59E-02	0.00E+00
1.45E+01	1.34E+01	1.00E+00	-3.17E-02	0.00E+00
1.45E+01	1.36E+01	7.72E-01	-4.88E-03	0.00E+00
1.45E+01	1.38E+01	6.34E-01	-2.20E-02	0.00E+00
1.45E+01	1.38E+01	8.79E-01	-1.46E-02	0.00E+00
1.45E+01	1.40E+01	1.11E+00	-3.17E-02	0.00E+00
1.46E+01	1.45E+01	9.52E+00	-1.22E-02	0.00E+00
1.46E+01	1.44E+01	1.43E+01	-1.95E-02	0.00E+00
1.46E+01	1.44E+01	1.77E+01	-2.56E-02	0.00E+00
1.46E+01	1.43E+01	1.93E+01	-2.44E-02	0.00E+00
1.46E+01	1.42E+01	1.15E+01	-9.77E-03	0.00E+00
1.47E+01	1.43E+01	4.64E+00	-1.46E-02	0.00E+00
1.47E+01	1.43E+01	5.14E+00	-1.95E-02	0.00E+00
1.47E+01	1.43E+01	5.74E+00	-3.42E-02	0.00E+00
1.47E+01	1.44E+01	9.64E+00	-4.88E-03	0.00E+00
1.47E+01	1.50E+01	1.45E+01	-2.69E-02	0.00E+00
1.48E+01	1.49E+01	1.67E+01	-2.69E-02	0.00E+00
1.48E+01	1.49E+01	1.69E+01	3.66E-03	0.00E+00
1.48E+01	1.49E+01	1.45E+01	-7.32E-03	0.00E+00
1.48E+01	1.50E+01	1.17E+01	-2.44E-02	0.00E+00
1.48E+01	1.49E+01	1.10E+01	-9.77E-03	0.00E+00
1.49E+01	1.49E+01	1.14E+01	7.32E-03	0.00E+00
1.49E+01	1.49E+01	1.30E+01	-2.44E-02	0.00E+00
1.49E+01	1.50E+01	1.48E+01	-2.44E-02	0.00E+00
1.49E+01	1.49E+01	1.54E+01	-9.77E-03	0.00E+00
1.49E+01	1.49E+01	1.46E+01	-9.77E-03	0.00E+00
1.50E+01	1.48E+01	1.31E+01	3.66E-03	0.00E+00
1.50E+01	1.50E+01	1.31E+01	-2.93E-02	0.00E+00
1.50E+01	1.50E+01	1.39E+01	-2.08E-02	0.00E+00
1.50E+01	1.49E+01	1.50E+01	-2.93E-02	0.00E+00
1.50E+01	1.48E+01	1.56E+01	-3.17E-02	0.00E+00
1.51E+01	1.50E+01	1.64E+01	-1.83E-02	0.00E+00
1.51E+01	1.50E+01	1.74E+01	-1.83E-02	0.00E+00
1.51E+01	1.50E+01	1.88E+01	-4.88E-03	0.00E+00
1.51E+01	1.49E+01	2.06E+01	-2.20E-02	0.00E+00
1.51E+01	1.51E+01	2.31E+01	-1.95E-02	0.00E+00
1.52E+01	1.55E+01	2.56E+01	-1.95E-02	0.00E+00
1.52E+01	1.55E+01	2.72E+01	-1.95E-02	0.00E+00
1.52E+01	1.56E+01	2.82E+01	-1.46E-02	0.00E+00
1.52E+01	1.55E+01	2.91E+01	-2.44E-02	0.00E+00
1.52E+01	1.55E+01	2.99E+01	-1.83E-02	0.00E+00
1.53E+01	1.55E+01	3.10E+01	-8.54E-03	0.00E+00
1.53E+01	1.53E+01	3.26E+01	-2.20E-02	0.00E+00
1.53E+01	1.63E+01	3.47E+01	-2.20E-02	0.00E+00
1.53E+01	1.61E+01	3.68E+01	-1.22E-02	0.00E+00

1.53E+01	1.61E+01	3.88E+01	-1.95E-02	0.00E+00
1.54E+01	1.60E+01	3.99E+01	-1.83E-02	0.00E+00
1.54E+01	1.62E+01	4.11E+01	-3.54E-02	0.00E+00
1.54E+01	1.62E+01	4.19E+01	-2.20E-02	0.00E+00
1.54E+01	1.61E+01	4.23E+01	-7.32E-03	0.00E+00
1.54E+01	1.59E+01	4.17E+01	-9.77E-03	0.00E+00
1.55E+01	1.62E+01	4.11E+01	-3.91E-02	0.00E+00
1.55E+01	1.61E+01	4.07E+01	-1.95E-02	0.00E+00
1.55E+01	1.61E+01	4.04E+01	-7.32E-03	0.00E+00
1.55E+01	1.60E+01	4.06E+01	-1.71E-02	0.00E+00
1.55E+01	1.59E+01	3.89E+01	-3.42E-02	0.00E+00
1.56E+01	1.55E+01	2.49E+01	-2.93E-02	0.00E+00
1.56E+01	1.49E+01	1.50E+01	-6.10E-03	0.00E+00
1.56E+01	1.48E+01	5.01E+00	-1.95E-02	0.00E+00
1.56E+01	1.45E+01	1.00E+00	-4.27E-02	0.00E+00
1.56E+01	1.44E+01	8.18E-01	-3.78E-02	0.00E+00
1.57E+01	1.49E+01	5.77E+00	-2.44E-03	0.00E+00
1.57E+01	1.48E+01	9.90E+00	-2.08E-02	0.00E+00
1.57E+01	1.50E+01	1.75E+01	-2.20E-02	0.00E+00
1.57E+01	1.49E+01	2.15E+01	-1.71E-02	0.00E+00
1.57E+01	1.49E+01	2.12E+01	-7.32E-03	0.00E+00
1.58E+01	1.49E+01	1.61E+01	-2.69E-02	0.00E+00
1.58E+01	1.50E+01	1.33E+01	7.32E-03	0.00E+00
1.58E+01	1.49E+01	9.53E+00	-1.95E-02	0.00E+00
1.58E+01	1.48E+01	9.67E+00	-4.88E-03	0.00E+00
1.58E+01	1.49E+01	1.20E+01	-2.56E-02	0.00E+00
1.59E+01	1.50E+01	1.36E+01	-4.88E-03	0.00E+00
1.59E+01	1.50E+01	1.58E+01	-1.46E-02	0.00E+00
1.59E+01	1.50E+01	1.55E+01	-1.46E-02	0.00E+00
1.59E+01	1.49E+01	1.36E+01	-2.69E-02	0.00E+00
1.59E+01	1.50E+01	1.30E+01	-2.44E-02	0.00E+00
1.60E+01	1.51E+01	1.16E+01	-1.46E-02	0.00E+00
1.60E+01	1.49E+01	1.27E+01	-6.10E-03	0.00E+00
1.60E+01	1.49E+01	1.40E+01	-2.44E-02	0.00E+00
1.60E+01	1.50E+01	1.49E+01	-1.95E-02	0.00E+00
1.60E+01	1.51E+01	1.49E+01	-1.34E-02	0.00E+00
1.61E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
1.61E+01	1.49E+01	1.20E+01	-2.44E-02	0.00E+00
1.61E+01	1.50E+01	1.22E+01	-2.44E-02	0.00E+00
1.61E+01	1.48E+01	1.29E+01	-8.54E-03	0.00E+00
1.61E+01	1.49E+01	1.41E+01	-9.77E-03	0.00E+00
1.62E+01	1.50E+01	1.49E+01	-3.42E-02	0.00E+00
1.62E+01	1.50E+01	1.46E+01	-1.46E-02	0.00E+00
1.62E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
1.62E+01	1.48E+01	1.25E+01	-1.95E-02	0.00E+00
1.62E+01	1.50E+01	1.23E+01	-3.91E-02	0.00E+00
1.63E+01	1.50E+01	1.34E+01	-1.83E-02	0.00E+00

1.63E+01	1.50E+01	1.39E+01	-2.69E-02	0.00E+00
1.63E+01	1.49E+01	1.43E+01	-1.46E-02	0.00E+00
1.63E+01	1.50E+01	1.42E+01	-3.05E-02	0.00E+00
1.63E+01	1.49E+01	1.35E+01	-1.71E-02	0.00E+00
1.64E+01	1.49E+01	1.29E+01	0.00E+00	0.00E+00
1.64E+01	1.49E+01	1.28E+01	-9.77E-03	0.00E+00
1.64E+01	1.50E+01	1.33E+01	-3.42E-02	0.00E+00
1.64E+01	1.50E+01	1.42E+01	-2.20E-02	0.00E+00
1.64E+01	1.49E+01	1.42E+01	0.00E+00	0.00E+00
1.65E+01	1.49E+01	1.38E+01	-1.71E-02	0.00E+00
1.65E+01	1.49E+01	1.32E+01	-3.17E-02	0.00E+00
1.65E+01	1.50E+01	1.30E+01	-2.44E-02	0.00E+00
1.65E+01	1.50E+01	1.33E+01	-1.22E-02	0.00E+00
1.65E+01	1.49E+01	1.38E+01	-2.08E-02	0.00E+00
1.66E+01	1.49E+01	1.39E+01	-1.59E-02	0.00E+00
1.66E+01	1.50E+01	1.42E+01	-1.71E-02	0.00E+00
1.66E+01	1.49E+01	1.37E+01	-1.95E-02	0.00E+00
1.66E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
1.66E+01	1.48E+01	1.30E+01	-1.22E-02	0.00E+00
1.67E+01	1.50E+01	1.35E+01	-2.44E-02	0.00E+00
1.67E+01	1.50E+01	1.39E+01	-2.20E-02	0.00E+00
1.67E+01	1.51E+01	1.42E+01	-1.34E-02	0.00E+00
1.67E+01	1.50E+01	1.39E+01	-1.83E-02	0.00E+00
1.67E+01	1.51E+01	1.39E+01	-1.95E-02	0.00E+00
1.68E+01	1.49E+01	1.33E+01	-1.22E-02	0.00E+00
1.68E+01	1.48E+01	1.34E+01	-9.77E-03	0.00E+00
1.68E+01	1.51E+01	1.36E+01	-2.44E-02	0.00E+00
1.68E+01	1.50E+01	1.39E+01	-2.44E-02	0.00E+00
1.68E+01	1.50E+01	1.42E+01	-1.83E-02	0.00E+00
1.69E+01	1.50E+01	1.37E+01	-1.22E-02	0.00E+00
1.69E+01	1.51E+01	1.34E+01	-3.17E-02	0.00E+00
1.69E+01	1.49E+01	1.33E+01	-1.34E-02	0.00E+00
1.69E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
1.69E+01	1.50E+01	1.38E+01	-1.46E-02	0.00E+00
1.70E+01	1.51E+01	1.40E+01	-3.17E-02	0.00E+00
1.70E+01	1.50E+01	1.40E+01	-4.88E-03	0.00E+00
1.70E+01	1.50E+01	1.38E+01	-1.46E-02	0.00E+00
1.70E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
1.70E+01	1.49E+01	1.33E+01	-1.22E-02	0.00E+00
1.71E+01	1.51E+01	1.36E+01	-1.95E-02	0.00E+00
1.71E+01	1.50E+01	1.41E+01	-1.71E-02	0.00E+00
1.71E+01	1.49E+01	1.40E+01	-7.32E-03	0.00E+00
1.71E+01	1.49E+01	1.36E+01	-4.52E-02	0.00E+00
1.71E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
1.72E+01	1.50E+01	1.35E+01	-2.20E-02	0.00E+00
1.72E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
1.72E+01	1.49E+01	1.39E+01	-2.20E-02	0.00E+00

1.72E+01	1.49E+01	1.36E+01	-4.64E-02	0.00E+00
1.72E+01	1.49E+01	1.41E+01	-2.20E-02	0.00E+00
1.73E+01	1.50E+01	1.37E+01	-2.44E-02	0.00E+00
1.73E+01	1.49E+01	1.36E+01	1.71E-02	0.00E+00
1.73E+01	1.49E+01	1.35E+01	-1.22E-02	0.00E+00
1.73E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
1.73E+01	1.50E+01	1.38E+01	-2.93E-02	0.00E+00
1.74E+01	1.50E+01	1.40E+01	-2.69E-02	0.00E+00
1.74E+01	1.49E+01	1.36E+01	-3.91E-02	0.00E+00
1.74E+01	1.50E+01	1.38E+01	-1.46E-02	0.00E+00
1.74E+01	1.50E+01	1.32E+01	-2.93E-02	0.00E+00
1.74E+01	1.50E+01	1.37E+01	-2.93E-02	0.00E+00
1.75E+01	1.48E+01	1.37E+01	-2.56E-02	0.00E+00
1.75E+01	1.49E+01	1.34E+01	-6.10E-03	0.00E+00
1.75E+01	1.49E+01	1.39E+01	-2.81E-02	0.00E+00
1.75E+01	1.50E+01	1.37E+01	-1.95E-02	0.00E+00
1.75E+01	1.50E+01	1.34E+01	-3.66E-03	0.00E+00
1.76E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
1.76E+01	1.49E+01	1.34E+01	-2.20E-02	0.00E+00
1.76E+01	1.50E+01	1.38E+01	-1.83E-02	0.00E+00
1.76E+01	1.48E+01	1.37E+01	-1.71E-02	0.00E+00
1.76E+01	1.47E+01	1.36E+01	-7.32E-03	0.00E+00
1.77E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
1.77E+01	1.50E+01	1.35E+01	-2.93E-02	0.00E+00
1.77E+01	1.47E+01	1.35E+01	-1.46E-02	0.00E+00
1.77E+01	1.49E+01	1.37E+01	-1.71E-02	0.00E+00
1.77E+01	1.49E+01	1.36E+01	-2.08E-02	0.00E+00
1.78E+01	1.50E+01	1.39E+01	-1.83E-02	0.00E+00
1.78E+01	1.47E+01	1.36E+01	-1.22E-02	0.00E+00
1.78E+01	1.47E+01	1.34E+01	-1.10E-02	0.00E+00
1.78E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
1.78E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
1.79E+01	1.48E+01	1.38E+01	-7.32E-03	0.00E+00
1.79E+01	1.51E+01	1.36E+01	-1.59E-02	0.00E+00
1.79E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
1.79E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
1.79E+01	1.49E+01	1.34E+01	4.88E-03	0.00E+00
1.80E+01	1.49E+01	1.38E+01	-2.20E-02	0.00E+00
1.80E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
1.80E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
1.80E+01	1.50E+01	1.38E+01	-2.44E-03	0.00E+00
1.80E+01	1.49E+01	1.36E+01	-2.69E-02	0.00E+00
1.81E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
1.81E+01	1.50E+01	1.34E+01	-2.32E-02	0.00E+00
1.81E+01	1.50E+01	1.36E+01	-3.17E-02	0.00E+00
1.81E+01	1.50E+01	1.37E+01	-1.95E-02	0.00E+00
1.81E+01	1.49E+01	1.37E+01	-1.71E-02	0.00E+00

1.82E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
1.82E+01	1.50E+01	1.37E+01	-3.66E-02	0.00E+00
1.82E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
1.82E+01	1.49E+01	1.36E+01	-1.83E-02	0.00E+00
1.82E+01	1.49E+01	1.34E+01	-1.34E-02	0.00E+00
1.83E+01	1.50E+01	1.38E+01	-4.52E-02	0.00E+00
1.83E+01	1.50E+01	1.37E+01	-3.05E-02	0.00E+00
1.83E+01	1.49E+01	1.37E+01	-2.93E-02	0.00E+00
1.83E+01	1.49E+01	1.38E+01	-8.54E-03	0.00E+00
1.83E+01	1.49E+01	1.35E+01	-2.32E-02	0.00E+00
1.84E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
1.84E+01	1.50E+01	1.38E+01	-2.32E-02	0.00E+00
1.84E+01	1.49E+01	1.37E+01	-4.88E-03	0.00E+00
1.84E+01	1.48E+01	1.35E+01	-2.69E-02	0.00E+00
1.84E+01	1.47E+01	1.36E+01	-1.71E-02	0.00E+00
1.85E+01	1.50E+01	1.35E+01	-3.42E-02	0.00E+00
1.85E+01	1.50E+01	1.37E+01	-2.20E-02	0.00E+00
1.85E+01	1.50E+01	1.36E+01	-1.22E-03	0.00E+00
1.85E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
1.85E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
1.86E+01	1.50E+01	1.38E+01	-2.69E-02	0.00E+00
1.86E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
1.86E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
1.86E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
1.86E+01	1.50E+01	1.37E+01	-2.69E-02	0.00E+00
1.87E+01	1.48E+01	1.37E+01	-1.59E-02	0.00E+00
1.87E+01	1.48E+01	1.35E+01	-1.10E-02	0.00E+00
1.87E+01	1.49E+01	1.36E+01	-1.59E-02	0.00E+00
1.87E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
1.87E+01	1.50E+01	1.38E+01	-2.93E-02	0.00E+00
1.88E+01	1.49E+01	1.37E+01	-3.66E-03	0.00E+00
1.88E+01	1.50E+01	1.37E+01	-7.32E-03	0.00E+00
1.88E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
1.88E+01	1.50E+01	1.35E+01	-1.22E-02	0.00E+00
1.88E+01	1.51E+01	1.37E+01	-1.71E-02	0.00E+00
1.89E+01	1.50E+01	1.37E+01	-1.83E-02	0.00E+00
1.89E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
1.89E+01	1.48E+01	1.38E+01	-2.44E-02	0.00E+00
1.89E+01	1.50E+01	1.35E+01	-2.20E-02	0.00E+00
1.89E+01	1.50E+01	1.36E+01	-3.42E-02	0.00E+00
1.90E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
1.90E+01	1.49E+01	1.38E+01	-3.30E-02	0.00E+00
1.90E+01	1.48E+01	1.35E+01	-2.20E-02	0.00E+00
1.90E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
1.90E+01	1.49E+01	1.35E+01	-1.83E-02	0.00E+00
1.91E+01	1.50E+01	1.38E+01	-9.77E-03	0.00E+00
1.91E+01	1.50E+01	1.36E+01	-3.17E-02	0.00E+00

1.91E+01	1.49E+01	1.37E+01	-1.95E-02	0.00E+00
1.91E+01	1.49E+01	1.38E+01	-1.46E-02	0.00E+00
1.91E+01	1.49E+01	1.37E+01	-1.22E-03	0.00E+00
1.92E+01	1.50E+01	1.38E+01	-3.17E-02	0.00E+00
1.92E+01	1.49E+01	1.37E+01	-2.20E-02	0.00E+00
1.92E+01	1.49E+01	1.33E+01	-1.22E-02	0.00E+00
1.92E+01	1.50E+01	1.38E+01	-2.69E-02	0.00E+00
1.92E+01	1.50E+01	1.36E+01	-8.54E-03	0.00E+00
1.93E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
1.93E+01	1.50E+01	1.37E+01	-2.56E-02	0.00E+00
1.93E+01	1.51E+01	1.33E+01	-2.93E-02	0.00E+00
1.93E+01	1.50E+01	1.35E+01	-9.77E-03	0.00E+00
1.93E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
1.94E+01	1.48E+01	1.32E+01	-1.95E-02	0.00E+00
1.94E+01	1.50E+01	1.37E+01	-2.20E-02	0.00E+00
1.94E+01	1.51E+01	1.38E+01	-1.22E-02	0.00E+00
1.94E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
1.94E+01	1.49E+01	1.32E+01	-1.95E-02	0.00E+00
1.95E+01	1.50E+01	1.38E+01	-2.44E-02	0.00E+00
1.95E+01	1.47E+01	1.36E+01	-7.32E-03	0.00E+00
1.95E+01	1.48E+01	1.36E+01	-1.22E-02	0.00E+00
1.95E+01	1.49E+01	1.36E+01	-2.08E-02	0.00E+00
1.95E+01	1.50E+01	1.37E+01	-1.95E-02	0.00E+00
1.96E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
1.96E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
1.96E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
1.96E+01	1.49E+01	1.38E+01	-9.77E-03	0.00E+00
1.96E+01	1.48E+01	1.35E+01	-2.20E-02	0.00E+00
1.97E+01	1.49E+01	1.35E+01	-1.71E-02	0.00E+00
1.97E+01	1.49E+01	1.36E+01	-2.69E-02	0.00E+00
1.97E+01	1.48E+01	1.37E+01	-6.10E-03	0.00E+00
1.97E+01	1.48E+01	1.36E+01	-1.83E-02	0.00E+00
1.97E+01	1.49E+01	1.36E+01	-2.93E-02	0.00E+00
1.98E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
1.98E+01	1.49E+01	1.34E+01	-7.32E-03	0.00E+00
1.98E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
1.98E+01	1.50E+01	1.36E+01	-1.83E-02	0.00E+00
1.98E+01	1.49E+01	1.37E+01	-2.32E-02	0.00E+00
1.99E+01	1.49E+01	1.36E+01	-2.08E-02	0.00E+00
1.99E+01	1.49E+01	1.35E+01	-2.69E-02	0.00E+00
1.99E+01	1.51E+01	1.37E+01	-2.20E-02	0.00E+00
1.99E+01	1.48E+01	1.35E+01	-2.44E-03	0.00E+00
1.99E+01	1.49E+01	1.35E+01	-3.17E-02	0.00E+00
2.00E+01	1.50E+01	1.38E+01	-1.71E-02	0.00E+00
2.00E+01	1.50E+01	1.37E+01	-2.93E-02	0.00E+00
2.00E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.00E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00

2.00E+01	1.50E+01	1.37E+01	-1.59E-02	0.00E+00
2.01E+01	1.49E+01	1.36E+01	4.88E-03	0.00E+00
2.01E+01	1.49E+01	1.36E+01	-2.69E-02	0.00E+00
2.01E+01	1.50E+01	1.38E+01	-2.20E-02	0.00E+00
2.01E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
2.01E+01	1.49E+01	1.36E+01	9.77E-03	0.00E+00
2.02E+01	1.49E+01	1.35E+01	-2.93E-02	0.00E+00
2.02E+01	1.50E+01	1.37E+01	-1.83E-02	0.00E+00
2.02E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
2.02E+01	1.49E+01	1.36E+01	-3.17E-02	0.00E+00
2.02E+01	1.49E+01	1.34E+01	-2.08E-02	0.00E+00
2.03E+01	1.50E+01	1.36E+01	-1.34E-02	0.00E+00
2.03E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.03E+01	1.49E+01	1.36E+01	-8.54E-03	0.00E+00
2.03E+01	1.49E+01	1.36E+01	-4.64E-02	0.00E+00
2.03E+01	1.50E+01	1.36E+01	-9.77E-03	0.00E+00
2.04E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.04E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.04E+01	1.49E+01	1.35E+01	-2.20E-02	0.00E+00
2.04E+01	1.49E+01	1.38E+01	-4.88E-03	0.00E+00
2.04E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.05E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.05E+01	1.51E+01	1.35E+01	-4.39E-02	0.00E+00
2.05E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
2.05E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
2.05E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
2.06E+01	1.49E+01	1.36E+01	-4.15E-02	0.00E+00
2.06E+01	1.51E+01	1.36E+01	-7.32E-03	0.00E+00
2.06E+01	1.48E+01	1.36E+01	-2.20E-02	0.00E+00
2.06E+01	1.49E+01	1.36E+01	-1.59E-02	0.00E+00
2.06E+01	1.50E+01	1.36E+01	-4.88E-02	0.00E+00
2.07E+01	1.49E+01	1.38E+01	-1.95E-02	0.00E+00
2.07E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
2.07E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
2.07E+01	1.50E+01	1.36E+01	-2.44E-03	0.00E+00
2.07E+01	1.49E+01	1.38E+01	-2.69E-02	0.00E+00
2.08E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.08E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
2.08E+01	1.49E+01	1.34E+01	-1.34E-02	0.00E+00
2.08E+01	1.51E+01	1.36E+01	-3.42E-02	0.00E+00
2.08E+01	1.48E+01	1.36E+01	-6.10E-03	0.00E+00
2.09E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.09E+01	1.49E+01	1.32E+01	-2.69E-02	0.00E+00
2.09E+01	1.51E+01	1.36E+01	-2.69E-02	0.00E+00
2.09E+01	1.50E+01	1.36E+01	-7.32E-03	0.00E+00
2.09E+01	1.49E+01	1.39E+01	-6.10E-03	0.00E+00
2.10E+01	1.49E+01	1.32E+01	-1.46E-02	0.00E+00

2.10E+01	1.48E+01	1.34E+01	-3.05E-02	0.00E+00
2.10E+01	1.51E+01	1.36E+01	-2.81E-02	0.00E+00
2.10E+01	1.50E+01	1.37E+01	-1.59E-02	0.00E+00
2.10E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
2.11E+01	1.50E+01	1.34E+01	-1.71E-02	0.00E+00
2.11E+01	1.50E+01	1.35E+01	-3.30E-02	0.00E+00
2.11E+01	1.50E+01	1.35E+01	-3.91E-02	0.00E+00
2.11E+01	1.50E+01	1.38E+01	-1.95E-02	0.00E+00
2.11E+01	1.49E+01	1.35E+01	-1.22E-02	0.00E+00
2.12E+01	1.49E+01	1.35E+01	-4.88E-03	0.00E+00
2.12E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
2.12E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
2.12E+01	1.49E+01	1.35E+01	-2.44E-03	0.00E+00
2.12E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
2.13E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
2.13E+01	1.50E+01	1.38E+01	-2.20E-02	0.00E+00
2.13E+01	1.49E+01	1.36E+01	-8.54E-03	0.00E+00
2.13E+01	1.49E+01	1.36E+01	2.44E-03	0.00E+00
2.13E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
2.14E+01	1.50E+01	1.39E+01	-2.69E-02	0.00E+00
2.14E+01	1.48E+01	1.37E+01	-4.88E-03	0.00E+00
2.14E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
2.14E+01	1.51E+01	1.35E+01	-2.69E-02	0.00E+00
2.14E+01	1.50E+01	1.39E+01	-2.44E-02	0.00E+00
2.15E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.15E+01	1.49E+01	1.35E+01	-1.71E-02	0.00E+00
2.15E+01	1.50E+01	1.35E+01	-1.46E-02	0.00E+00
2.15E+01	1.51E+01	1.36E+01	-2.44E-02	0.00E+00
2.15E+01	1.49E+01	1.35E+01	-1.22E-03	0.00E+00
2.16E+01	1.50E+01	1.34E+01	-2.56E-02	0.00E+00
2.16E+01	1.50E+01	1.34E+01	2.44E-03	0.00E+00
2.16E+01	1.50E+01	1.36E+01	-3.17E-02	0.00E+00
2.16E+01	1.49E+01	1.35E+01	-2.44E-03	0.00E+00
2.16E+01	1.49E+01	1.37E+01	-1.83E-02	0.00E+00
2.17E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.17E+01	1.48E+01	1.37E+01	-1.46E-02	0.00E+00
2.17E+01	1.48E+01	1.36E+01	-1.71E-02	0.00E+00
2.17E+01	1.50E+01	1.36E+01	-2.08E-02	0.00E+00
2.17E+01	1.49E+01	1.37E+01	-7.32E-03	0.00E+00
2.18E+01	1.50E+01	1.37E+01	-2.44E-02	0.00E+00
2.18E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
2.18E+01	1.50E+01	1.38E+01	-2.44E-02	0.00E+00
2.18E+01	1.50E+01	1.35E+01	-1.34E-02	0.00E+00
2.18E+01	1.49E+01	1.36E+01	-1.34E-02	0.00E+00
2.19E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
2.19E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
2.19E+01	1.49E+01	1.37E+01	-4.15E-02	0.00E+00

2.19E+01	1.48E+01	1.35E+01	4.88E-03	0.00E+00
2.19E+01	1.50E+01	1.36E+01	-4.03E-02	0.00E+00
2.20E+01	1.50E+01	1.37E+01	-1.71E-02	0.00E+00
2.20E+01	1.49E+01	1.35E+01	-4.15E-02	0.00E+00
2.20E+01	1.48E+01	1.34E+01	-3.66E-02	0.00E+00
2.20E+01	1.50E+01	1.37E+01	-3.66E-02	0.00E+00
2.20E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
2.21E+01	1.49E+01	1.37E+01	-3.91E-02	0.00E+00
2.21E+01	1.49E+01	1.35E+01	-8.54E-03	0.00E+00
2.21E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
2.21E+01	1.50E+01	1.35E+01	-2.08E-02	0.00E+00
2.21E+01	1.49E+01	1.34E+01	1.95E-02	0.00E+00
2.22E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
2.22E+01	1.50E+01	1.37E+01	-1.46E-02	0.00E+00
2.22E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.22E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.22E+01	1.50E+01	1.35E+01	-2.93E-02	0.00E+00
2.23E+01	1.49E+01	1.37E+01	-8.54E-03	0.00E+00
2.23E+01	1.49E+01	1.32E+01	-8.54E-03	0.00E+00
2.23E+01	1.49E+01	1.33E+01	-1.83E-02	0.00E+00
2.23E+01	1.48E+01	1.36E+01	-3.30E-02	0.00E+00
2.23E+01	1.51E+01	1.38E+01	-7.32E-03	0.00E+00
2.24E+01	1.49E+01	1.35E+01	-1.34E-02	0.00E+00
2.24E+01	1.49E+01	1.35E+01	-1.95E-02	0.00E+00
2.24E+01	1.48E+01	1.37E+01	-1.83E-02	0.00E+00
2.24E+01	1.47E+01	1.34E+01	-1.46E-02	0.00E+00
2.24E+01	1.49E+01	1.35E+01	-3.17E-02	0.00E+00
2.25E+01	1.50E+01	1.38E+01	-2.44E-02	0.00E+00
2.25E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
2.25E+01	1.49E+01	1.34E+01	-3.66E-03	0.00E+00
2.25E+01	1.50E+01	1.36E+01	-4.03E-02	0.00E+00
2.25E+01	1.50E+01	1.38E+01	-1.71E-02	0.00E+00
2.26E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.26E+01	1.50E+01	1.36E+01	-5.37E-02	0.00E+00
2.26E+01	1.50E+01	1.36E+01	-8.54E-03	0.00E+00
2.26E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.26E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
2.27E+01	1.50E+01	1.37E+01	-2.44E-02	0.00E+00
2.27E+01	1.50E+01	1.36E+01	-7.32E-03	0.00E+00
2.27E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.27E+01	1.50E+01	1.33E+01	-2.32E-02	0.00E+00
2.27E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.28E+01	1.51E+01	1.36E+01	-2.20E-02	0.00E+00
2.28E+01	1.50E+01	1.35E+01	-2.08E-02	0.00E+00
2.28E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
2.28E+01	1.49E+01	1.34E+01	-6.10E-03	0.00E+00
2.28E+01	1.49E+01	1.35E+01	-2.56E-02	0.00E+00

2.29E+01	1.50E+01	1.35E+01	-2.44E-02	0.00E+00
2.29E+01	1.50E+01	1.37E+01	-1.59E-02	0.00E+00
2.29E+01	1.49E+01	1.34E+01	-1.59E-02	0.00E+00
2.29E+01	1.50E+01	1.34E+01	-4.88E-03	0.00E+00
2.29E+01	1.51E+01	1.36E+01	-2.69E-02	0.00E+00
2.30E+01	1.50E+01	1.38E+01	-9.77E-03	0.00E+00
2.30E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
2.30E+01	1.49E+01	1.35E+01	-2.93E-02	0.00E+00
2.30E+01	1.49E+01	1.36E+01	-3.05E-02	0.00E+00
2.30E+01	1.49E+01	1.35E+01	-1.10E-02	0.00E+00
2.31E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
2.31E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
2.31E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
2.31E+01	1.49E+01	1.35E+01	-2.69E-02	0.00E+00
2.31E+01	1.49E+01	1.32E+01	-9.77E-03	0.00E+00
2.32E+01	1.49E+01	1.36E+01	-6.10E-03	0.00E+00
2.32E+01	1.50E+01	1.34E+01	-9.77E-03	0.00E+00
2.32E+01	1.50E+01	1.35E+01	-3.66E-02	0.00E+00
2.32E+01	1.49E+01	1.38E+01	-9.77E-03	0.00E+00
2.32E+01	1.49E+01	1.39E+01	-1.22E-02	0.00E+00
2.33E+01	1.48E+01	1.35E+01	-2.44E-02	0.00E+00
2.33E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
2.33E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
2.33E+01	1.49E+01	1.36E+01	-1.83E-02	0.00E+00
2.33E+01	1.52E+01	1.35E+01	-2.69E-02	0.00E+00
2.34E+01	1.49E+01	1.36E+01	0.00E+00	0.00E+00
2.34E+01	1.48E+01	1.35E+01	-6.10E-03	0.00E+00
2.34E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
2.34E+01	1.50E+01	1.36E+01	-3.05E-02	0.00E+00
2.34E+01	1.49E+01	1.36E+01	1.22E-03	0.00E+00
2.35E+01	1.49E+01	1.34E+01	-3.17E-02	0.00E+00
2.35E+01	1.49E+01	1.36E+01	-2.32E-02	0.00E+00
2.35E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
2.35E+01	1.49E+01	1.35E+01	-2.56E-02	0.00E+00
2.35E+01	1.48E+01	1.33E+01	-2.44E-03	0.00E+00
2.36E+01	1.50E+01	1.32E+01	-1.95E-02	0.00E+00
2.36E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
2.36E+01	1.49E+01	1.34E+01	2.20E-02	0.00E+00
2.36E+01	1.49E+01	1.35E+01	-2.08E-02	0.00E+00
2.36E+01	1.50E+01	1.31E+01	-1.71E-02	0.00E+00
2.37E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
2.37E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
2.37E+01	1.48E+01	1.35E+01	-1.22E-02	0.00E+00
2.37E+01	1.51E+01	1.38E+01	-2.20E-02	0.00E+00
2.37E+01	1.50E+01	1.34E+01	-4.88E-03	0.00E+00
2.38E+01	1.50E+01	1.34E+01	-1.83E-02	0.00E+00
2.38E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00

2.38E+01	1.49E+01	1.36E+01	-1.71E-02	0.00E+00
2.38E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.38E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
2.39E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
2.39E+01	1.49E+01	1.35E+01	-1.10E-02	0.00E+00
2.39E+01	1.48E+01	1.34E+01	-6.10E-03	0.00E+00
2.39E+01	1.50E+01	1.35E+01	-2.93E-02	0.00E+00
2.39E+01	1.50E+01	1.36E+01	-4.39E-02	0.00E+00
2.40E+01	1.48E+01	1.36E+01	6.10E-03	0.00E+00
2.40E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.40E+01	1.50E+01	1.34E+01	-2.81E-02	0.00E+00
2.40E+01	1.49E+01	1.34E+01	0.00E+00	0.00E+00
2.40E+01	1.49E+01	1.34E+01	2.44E-03	0.00E+00
2.41E+01	1.50E+01	1.33E+01	-1.83E-02	0.00E+00
2.41E+01	1.50E+01	1.37E+01	-1.95E-02	0.00E+00
2.41E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
2.41E+01	1.48E+01	1.34E+01	-1.10E-02	0.00E+00
2.41E+01	1.50E+01	1.34E+01	-2.81E-02	0.00E+00
2.42E+01	1.50E+01	1.33E+01	-1.46E-02	0.00E+00
2.42E+01	1.50E+01	1.40E+01	-1.46E-02	0.00E+00
2.42E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
2.42E+01	1.50E+01	1.35E+01	-3.42E-02	0.00E+00
2.42E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
2.43E+01	1.50E+01	1.37E+01	-1.46E-02	0.00E+00
2.43E+01	1.49E+01	1.34E+01	-1.46E-02	0.00E+00
2.43E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.43E+01	1.49E+01	1.37E+01	-2.81E-02	0.00E+00
2.43E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
2.44E+01	1.49E+01	1.36E+01	-1.46E-02	0.00E+00
2.44E+01	1.50E+01	1.34E+01	-3.17E-02	0.00E+00
2.44E+01	1.49E+01	1.36E+01	-4.39E-02	0.00E+00
2.44E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
2.44E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
2.45E+01	1.50E+01	1.34E+01	-4.27E-02	0.00E+00
2.45E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.45E+01	1.50E+01	1.35E+01	-1.71E-02	0.00E+00
2.45E+01	1.49E+01	1.32E+01	-1.22E-02	0.00E+00
2.45E+01	1.50E+01	1.34E+01	-2.69E-02	0.00E+00
2.46E+01	1.51E+01	1.36E+01	-4.88E-03	0.00E+00
2.46E+01	1.49E+01	1.32E+01	-1.34E-02	0.00E+00
2.46E+01	1.49E+01	1.36E+01	-1.83E-02	0.00E+00
2.46E+01	1.50E+01	1.36E+01	-2.81E-02	0.00E+00
2.46E+01	1.48E+01	1.36E+01	-2.69E-02	0.00E+00
2.47E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.47E+01	1.48E+01	1.35E+01	-1.46E-02	0.00E+00
2.47E+01	1.50E+01	1.35E+01	-3.17E-02	0.00E+00
2.47E+01	1.49E+01	1.37E+01	1.34E-02	0.00E+00

2.47E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
2.48E+01	1.49E+01	1.34E+01	-3.05E-02	0.00E+00
2.48E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.48E+01	1.49E+01	1.35E+01	1.46E-02	0.00E+00
2.48E+01	1.49E+01	1.34E+01	4.88E-03	0.00E+00
2.48E+01	1.49E+01	1.35E+01	-3.17E-02	0.00E+00
2.49E+01	1.49E+01	1.39E+01	-7.32E-03	0.00E+00
2.49E+01	1.49E+01	1.33E+01	1.10E-02	0.00E+00
2.49E+01	1.49E+01	1.35E+01	-2.93E-02	0.00E+00
2.49E+01	1.50E+01	1.36E+01	-2.32E-02	0.00E+00
2.49E+01	1.48E+01	1.32E+01	-7.32E-03	0.00E+00
2.50E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
2.50E+01	1.51E+01	1.34E+01	-2.20E-02	0.00E+00
2.50E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
2.50E+01	1.48E+01	1.33E+01	-1.46E-02	0.00E+00
2.50E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
2.51E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.51E+01	1.49E+01	1.35E+01	-1.22E-02	0.00E+00
2.51E+01	1.50E+01	1.34E+01	-4.03E-02	0.00E+00
2.51E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.51E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.52E+01	1.49E+01	1.35E+01	0.00E+00	0.00E+00
2.52E+01	1.51E+01	1.35E+01	-1.71E-02	0.00E+00
2.52E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
2.52E+01	1.49E+01	1.37E+01	-1.34E-02	0.00E+00
2.52E+01	1.49E+01	1.35E+01	-3.78E-02	0.00E+00
2.53E+01	1.50E+01	1.35E+01	-3.54E-02	0.00E+00
2.53E+01	1.49E+01	1.38E+01	-1.71E-02	0.00E+00
2.53E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
2.53E+01	1.50E+01	1.34E+01	-2.93E-02	0.00E+00
2.53E+01	1.50E+01	1.36E+01	-7.32E-03	0.00E+00
2.54E+01	1.49E+01	1.33E+01	-9.77E-03	0.00E+00
2.54E+01	1.49E+01	1.32E+01	-9.77E-03	0.00E+00
2.54E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
2.54E+01	1.50E+01	1.36E+01	-3.17E-02	0.00E+00
2.54E+01	1.48E+01	1.35E+01	-1.22E-02	0.00E+00
2.55E+01	1.49E+01	1.35E+01	-1.59E-02	0.00E+00
2.55E+01	1.49E+01	1.35E+01	-3.05E-02	0.00E+00
2.55E+01	1.51E+01	1.36E+01	1.22E-03	0.00E+00
2.55E+01	1.48E+01	1.35E+01	-1.95E-02	0.00E+00
2.55E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.56E+01	1.50E+01	1.36E+01	-3.17E-02	0.00E+00
2.56E+01	1.50E+01	1.35E+01	-4.88E-03	0.00E+00
2.56E+01	1.49E+01	1.34E+01	-2.20E-02	0.00E+00
2.56E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
2.56E+01	1.50E+01	1.34E+01	-3.30E-02	0.00E+00
2.57E+01	1.49E+01	1.38E+01	-2.44E-03	0.00E+00

2.57E+01	1.48E+01	1.35E+01	-3.42E-02	0.00E+00
2.57E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
2.57E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
2.57E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
2.58E+01	1.50E+01	1.35E+01	-1.71E-02	0.00E+00
2.58E+01	1.49E+01	1.34E+01	-3.17E-02	0.00E+00
2.58E+01	1.50E+01	1.38E+01	-3.05E-02	0.00E+00
2.58E+01	1.49E+01	1.37E+01	-2.44E-03	0.00E+00
2.58E+01	1.47E+01	1.34E+01	-1.22E-02	0.00E+00
2.59E+01	1.51E+01	1.34E+01	-3.17E-02	0.00E+00
2.59E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
2.59E+01	1.48E+01	1.35E+01	-8.54E-03	0.00E+00
2.59E+01	1.50E+01	1.34E+01	-1.71E-02	0.00E+00
2.59E+01	1.50E+01	1.34E+01	-4.03E-02	0.00E+00
2.60E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
2.60E+01	1.49E+01	1.36E+01	-4.88E-03	0.00E+00
2.60E+01	1.49E+01	1.35E+01	-2.20E-02	0.00E+00
2.60E+01	1.50E+01	1.35E+01	-5.13E-02	0.00E+00
2.60E+01	1.49E+01	1.36E+01	-4.15E-02	0.00E+00
2.61E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
2.61E+01	1.49E+01	1.34E+01	-1.83E-02	0.00E+00
2.61E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
2.61E+01	1.48E+01	1.36E+01	-1.71E-02	0.00E+00
2.61E+01	1.50E+01	1.32E+01	-2.44E-02	0.00E+00
2.62E+01	1.50E+01	1.34E+01	-2.44E-02	0.00E+00
2.62E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
2.62E+01	1.47E+01	1.35E+01	-1.71E-02	0.00E+00
2.62E+01	1.48E+01	1.35E+01	-2.93E-02	0.00E+00
2.62E+01	1.50E+01	1.35E+01	-1.59E-02	0.00E+00
2.63E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
2.63E+01	1.50E+01	1.35E+01	-1.10E-02	0.00E+00
2.63E+01	1.50E+01	1.35E+01	-2.56E-02	0.00E+00
2.63E+01	1.50E+01	1.35E+01	-2.93E-02	0.00E+00
2.63E+01	1.50E+01	1.35E+01	-8.54E-03	0.00E+00
2.64E+01	1.49E+01	1.33E+01	6.10E-03	0.00E+00
2.64E+01	1.50E+01	1.35E+01	-3.42E-02	0.00E+00
2.64E+01	1.50E+01	1.35E+01	-1.71E-02	0.00E+00
2.64E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.64E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
2.65E+01	1.50E+01	1.36E+01	-7.32E-03	0.00E+00
2.65E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
2.65E+01	1.49E+01	1.37E+01	-1.59E-02	0.00E+00
2.65E+01	1.49E+01	1.34E+01	-3.91E-02	0.00E+00
2.65E+01	1.50E+01	1.35E+01	-3.17E-02	0.00E+00
2.66E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.66E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.66E+01	1.49E+01	1.31E+01	-4.88E-02	0.00E+00

2.66E+01	1.49E+01	1.36E+01	7.32E-03	0.00E+00
2.66E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
2.67E+01	1.49E+01	1.36E+01	-2.69E-02	0.00E+00
2.67E+01	1.50E+01	1.33E+01	-3.05E-02	0.00E+00
2.67E+01	1.49E+01	1.36E+01	-3.17E-02	0.00E+00
2.67E+01	1.50E+01	1.35E+01	-4.88E-03	0.00E+00
2.67E+01	1.49E+01	1.32E+01	-6.10E-03	0.00E+00
2.68E+01	1.50E+01	1.33E+01	-2.81E-02	0.00E+00
2.68E+01	1.48E+01	1.35E+01	-8.54E-03	0.00E+00
2.68E+01	1.48E+01	1.35E+01	-2.20E-02	0.00E+00
2.68E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
2.68E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
2.69E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.69E+01	1.49E+01	1.35E+01	0.00E+00	0.00E+00
2.69E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
2.69E+01	1.51E+01	1.34E+01	-3.30E-02	0.00E+00
2.69E+01	1.50E+01	1.36E+01	-9.77E-03	0.00E+00
2.70E+01	1.49E+01	1.35E+01	-4.03E-02	0.00E+00
2.70E+01	1.49E+01	1.36E+01	-4.15E-02	0.00E+00
2.70E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
2.70E+01	1.49E+01	1.33E+01	-1.34E-02	0.00E+00
2.70E+01	1.49E+01	1.34E+01	1.95E-02	0.00E+00
2.71E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
2.71E+01	1.50E+01	1.32E+01	-3.17E-02	0.00E+00
2.71E+01	1.49E+01	1.35E+01	-1.10E-02	0.00E+00
2.71E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
2.71E+01	1.48E+01	1.35E+01	-3.05E-02	0.00E+00
2.72E+01	1.50E+01	1.35E+01	-2.08E-02	0.00E+00
2.72E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.72E+01	1.49E+01	1.34E+01	-1.34E-02	0.00E+00
2.72E+01	1.49E+01	1.33E+01	-6.10E-03	0.00E+00
2.72E+01	1.50E+01	1.36E+01	-4.15E-02	0.00E+00
2.73E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.73E+01	1.49E+01	1.34E+01	-2.08E-02	0.00E+00
2.73E+01	1.50E+01	1.33E+01	-4.88E-03	0.00E+00
2.73E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
2.73E+01	1.48E+01	1.34E+01	-1.95E-02	0.00E+00
2.74E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
2.74E+01	1.50E+01	1.34E+01	-4.64E-02	0.00E+00
2.74E+01	1.49E+01	1.35E+01	-1.46E-02	0.00E+00
2.74E+01	1.50E+01	1.33E+01	-2.44E-02	0.00E+00
2.74E+01	1.50E+01	1.31E+01	-1.59E-02	0.00E+00
2.75E+01	1.50E+01	1.37E+01	-4.64E-02	0.00E+00
2.75E+01	1.48E+01	1.36E+01	-6.10E-03	0.00E+00
2.75E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
2.75E+01	1.50E+01	1.35E+01	-3.30E-02	0.00E+00
2.75E+01	1.50E+01	1.37E+01	-1.22E-02	0.00E+00

2.76E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
2.76E+01	1.50E+01	1.36E+01	-1.71E-02	0.00E+00
2.76E+01	1.50E+01	1.36E+01	-2.08E-02	0.00E+00
2.76E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
2.76E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
2.77E+01	1.49E+01	1.35E+01	-1.95E-02	0.00E+00
2.77E+01	1.50E+01	1.35E+01	-8.54E-03	0.00E+00
2.77E+01	1.48E+01	1.35E+01	-2.44E-03	0.00E+00
2.77E+01	1.49E+01	1.33E+01	-3.17E-02	0.00E+00
2.77E+01	1.50E+01	1.36E+01	-1.22E-02	0.00E+00
2.78E+01	1.49E+01	1.36E+01	-7.32E-03	0.00E+00
2.78E+01	1.49E+01	1.35E+01	-1.22E-02	0.00E+00
2.78E+01	1.50E+01	1.35E+01	-3.05E-02	0.00E+00
2.78E+01	1.50E+01	1.36E+01	7.32E-03	0.00E+00
2.78E+01	1.50E+01	1.35E+01	-2.20E-02	0.00E+00
2.79E+01	1.49E+01	1.35E+01	-2.56E-02	0.00E+00
2.79E+01	1.50E+01	1.32E+01	-2.32E-02	0.00E+00
2.79E+01	1.49E+01	1.32E+01	-8.54E-03	0.00E+00
2.79E+01	1.48E+01	1.33E+01	-3.17E-02	0.00E+00
2.79E+01	1.49E+01	1.37E+01	-2.69E-02	0.00E+00
2.80E+01	1.49E+01	1.36E+01	-1.34E-02	0.00E+00
2.80E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
2.80E+01	1.51E+01	1.34E+01	-3.17E-02	0.00E+00
2.80E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
2.80E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
2.81E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
2.81E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
2.81E+01	1.51E+01	1.35E+01	-1.83E-02	0.00E+00
2.81E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
2.81E+01	1.50E+01	1.34E+01	-2.44E-02	0.00E+00
2.82E+01	1.50E+01	1.35E+01	-3.17E-02	0.00E+00
2.82E+01	1.49E+01	1.36E+01	0.00E+00	0.00E+00
2.82E+01	1.50E+01	1.34E+01	-3.42E-02	0.00E+00
2.82E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
2.82E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
2.83E+01	1.48E+01	1.34E+01	-9.77E-03	0.00E+00
2.83E+01	1.49E+01	1.35E+01	-3.17E-02	0.00E+00
2.83E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.83E+01	1.49E+01	1.36E+01	-2.20E-02	0.00E+00
2.83E+01	1.51E+01	1.34E+01	-3.17E-02	0.00E+00
2.84E+01	1.49E+01	1.35E+01	-1.22E-03	0.00E+00
2.84E+01	1.50E+01	1.33E+01	-1.34E-02	0.00E+00
2.84E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
2.84E+01	1.51E+01	1.35E+01	-9.77E-03	0.00E+00
2.84E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
2.85E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
2.85E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00

2.85E+01	1.47E+01	1.34E+01	-8.54E-03	0.00E+00
2.85E+01	1.50E+01	1.35E+01	-3.05E-02	0.00E+00
2.85E+01	1.50E+01	1.36E+01	-2.69E-02	0.00E+00
2.86E+01	1.48E+01	1.35E+01	-9.77E-03	0.00E+00
2.86E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
2.86E+01	1.50E+01	1.35E+01	-4.64E-02	0.00E+00
2.86E+01	1.50E+01	1.35E+01	-6.10E-03	0.00E+00
2.86E+01	1.49E+01	1.32E+01	-1.46E-02	0.00E+00
2.87E+01	1.50E+01	1.34E+01	-2.69E-02	0.00E+00
2.87E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.87E+01	1.49E+01	1.34E+01	1.46E-02	0.00E+00
2.87E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
2.87E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
2.88E+01	1.49E+01	1.34E+01	7.32E-03	0.00E+00
2.88E+01	1.50E+01	1.33E+01	-4.15E-02	0.00E+00
2.88E+01	1.50E+01	1.38E+01	-1.95E-02	0.00E+00
2.88E+01	1.49E+01	1.32E+01	-7.32E-03	0.00E+00
2.88E+01	1.49E+01	1.34E+01	-3.66E-02	0.00E+00
2.89E+01	1.51E+01	1.34E+01	-9.77E-03	0.00E+00
2.89E+01	1.51E+01	1.35E+01	-1.34E-02	0.00E+00
2.89E+01	1.49E+01	1.36E+01	-1.46E-02	0.00E+00
2.89E+01	1.50E+01	1.33E+01	-1.71E-02	0.00E+00
2.89E+01	1.48E+01	1.34E+01	-1.59E-02	0.00E+00
2.90E+01	1.49E+01	1.35E+01	-2.44E-03	0.00E+00
2.90E+01	1.48E+01	1.34E+01	-1.71E-02	0.00E+00
2.90E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
2.90E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
2.90E+01	1.48E+01	1.34E+01	-9.77E-03	0.00E+00
2.91E+01	1.50E+01	1.34E+01	-2.93E-02	0.00E+00
2.91E+01	1.50E+01	1.36E+01	-2.69E-02	0.00E+00
2.91E+01	1.49E+01	1.35E+01	-8.54E-03	0.00E+00
2.91E+01	1.49E+01	1.34E+01	2.44E-03	0.00E+00
2.91E+01	1.50E+01	1.36E+01	-1.22E-02	0.00E+00
2.92E+01	1.49E+01	1.35E+01	-2.32E-02	0.00E+00
2.92E+01	1.49E+01	1.36E+01	1.22E-02	0.00E+00
2.92E+01	1.50E+01	1.35E+01	-4.88E-02	0.00E+00
2.92E+01	1.49E+01	1.35E+01	-1.83E-02	0.00E+00
2.92E+01	1.50E+01	1.32E+01	-4.88E-03	0.00E+00
2.93E+01	1.49E+01	1.36E+01	-1.22E-02	0.00E+00
2.93E+01	1.50E+01	1.35E+01	-3.17E-02	0.00E+00
2.93E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
2.93E+01	1.50E+01	1.36E+01	-1.22E-02	0.00E+00
2.93E+01	1.49E+01	1.35E+01	-2.20E-02	0.00E+00
2.94E+01	1.48E+01	1.34E+01	-2.20E-02	0.00E+00
2.94E+01	1.48E+01	1.34E+01	-2.20E-02	0.00E+00
2.94E+01	1.49E+01	1.33E+01	-1.22E-02	0.00E+00
2.94E+01	1.50E+01	1.32E+01	-2.08E-02	0.00E+00

2.94E+01	1.50E+01	1.34E+01	-7.32E-03	0.00E+00
2.95E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
2.95E+01	1.50E+01	1.33E+01	-2.20E-02	0.00E+00
2.95E+01	1.50E+01	1.31E+01	-1.95E-02	0.00E+00
2.95E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
2.95E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
2.96E+01	1.48E+01	1.34E+01	-1.46E-02	0.00E+00
2.96E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
2.96E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
2.96E+01	1.50E+01	1.33E+01	-2.20E-02	0.00E+00
2.96E+01	1.50E+01	1.34E+01	-1.22E-02	0.00E+00
2.97E+01	1.49E+01	1.36E+01	-1.22E-03	0.00E+00
2.97E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
2.97E+01	1.50E+01	1.37E+01	-2.93E-02	0.00E+00
2.97E+01	1.50E+01	1.36E+01	9.77E-03	0.00E+00
2.97E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
2.98E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
2.98E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
2.98E+01	1.49E+01	1.35E+01	-1.34E-02	0.00E+00
2.98E+01	1.49E+01	1.33E+01	-7.32E-03	0.00E+00
2.98E+01	1.49E+01	1.36E+01	-2.44E-02	0.00E+00
2.99E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
2.99E+01	1.49E+01	1.34E+01	-2.08E-02	0.00E+00
2.99E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
2.99E+01	1.50E+01	1.34E+01	-1.59E-02	0.00E+00
2.99E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
3.00E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
3.00E+01	1.49E+01	1.34E+01	-3.66E-03	0.00E+00
3.00E+01	1.50E+01	1.31E+01	-1.59E-02	0.00E+00
3.00E+01	1.49E+01	1.34E+01	-2.32E-02	0.00E+00
3.00E+01	1.49E+01	1.35E+01	-1.22E-02	0.00E+00
3.01E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.01E+01	1.50E+01	1.35E+01	-6.10E-03	0.00E+00
3.01E+01	1.50E+01	1.34E+01	-3.05E-02	0.00E+00
3.01E+01	1.49E+01	1.34E+01	-7.32E-03	0.00E+00
3.01E+01	1.49E+01	1.32E+01	-2.32E-02	0.00E+00
3.02E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
3.02E+01	1.50E+01	1.34E+01	-4.15E-02	0.00E+00
3.02E+01	1.49E+01	1.35E+01	-4.88E-03	0.00E+00
3.02E+01	1.49E+01	1.33E+01	-2.93E-02	0.00E+00
3.02E+01	1.50E+01	1.37E+01	4.88E-03	0.00E+00
3.03E+01	1.49E+01	1.36E+01	-1.10E-02	0.00E+00
3.03E+01	1.49E+01	1.36E+01	-1.34E-02	0.00E+00
3.03E+01	1.50E+01	1.35E+01	-2.81E-02	0.00E+00
3.03E+01	1.49E+01	1.37E+01	-9.77E-03	0.00E+00
3.03E+01	1.48E+01	1.34E+01	2.44E-03	0.00E+00
3.04E+01	1.49E+01	1.33E+01	-2.69E-02	0.00E+00

3.04E+01	1.50E+01	1.35E+01	-2.81E-02	0.00E+00
3.04E+01	1.49E+01	1.35E+01	-9.77E-03	0.00E+00
3.04E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
3.04E+01	1.49E+01	1.34E+01	-3.91E-02	0.00E+00
3.05E+01	1.50E+01	1.34E+01	-2.56E-02	0.00E+00
3.05E+01	1.49E+01	1.36E+01	-1.46E-02	0.00E+00
3.05E+01	1.49E+01	1.31E+01	-1.95E-02	0.00E+00
3.05E+01	1.50E+01	1.32E+01	-4.15E-02	0.00E+00
3.05E+01	1.50E+01	1.35E+01	-2.20E-02	0.00E+00
3.06E+01	1.49E+01	1.32E+01	-1.71E-02	0.00E+00
3.06E+01	1.49E+01	1.32E+01	-1.46E-02	0.00E+00
3.06E+01	1.49E+01	1.34E+01	-2.93E-02	0.00E+00
3.06E+01	1.51E+01	1.36E+01	-1.22E-02	0.00E+00
3.06E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
3.07E+01	1.50E+01	1.34E+01	-2.32E-02	0.00E+00
3.07E+01	1.48E+01	1.35E+01	-1.46E-02	0.00E+00
3.07E+01	1.50E+01	1.34E+01	-2.32E-02	0.00E+00
3.07E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
3.07E+01	1.50E+01	1.36E+01	-1.95E-02	0.00E+00
3.08E+01	1.49E+01	1.35E+01	-4.88E-03	0.00E+00
3.08E+01	1.49E+01	1.34E+01	-5.13E-02	0.00E+00
3.08E+01	1.51E+01	1.35E+01	-4.64E-02	0.00E+00
3.08E+01	1.50E+01	1.38E+01	-1.83E-02	0.00E+00
3.08E+01	1.49E+01	1.31E+01	-1.22E-02	0.00E+00
3.09E+01	1.50E+01	1.34E+01	-3.17E-02	0.00E+00
3.09E+01	1.47E+01	1.36E+01	-1.46E-02	0.00E+00
3.09E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
3.09E+01	1.49E+01	1.33E+01	-2.20E-02	0.00E+00
3.09E+01	1.50E+01	1.35E+01	-2.08E-02	0.00E+00
3.10E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
3.10E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
3.10E+01	1.50E+01	1.34E+01	-3.66E-02	0.00E+00
3.10E+01	1.49E+01	1.36E+01	-9.77E-03	0.00E+00
3.10E+01	1.49E+01	1.32E+01	-4.88E-03	0.00E+00
3.11E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
3.11E+01	1.50E+01	1.35E+01	-8.54E-03	0.00E+00
3.11E+01	1.48E+01	1.31E+01	-1.71E-02	0.00E+00
3.11E+01	1.50E+01	1.33E+01	-1.71E-02	0.00E+00
3.11E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
3.12E+01	1.48E+01	1.33E+01	-1.22E-02	0.00E+00
3.12E+01	1.50E+01	1.36E+01	-2.44E-02	0.00E+00
3.12E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
3.12E+01	1.47E+01	1.34E+01	-1.34E-02	0.00E+00
3.12E+01	1.48E+01	1.34E+01	-1.83E-02	0.00E+00
3.13E+01	1.50E+01	1.34E+01	-1.22E-02	0.00E+00
3.13E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
3.13E+01	1.49E+01	1.33E+01	-2.32E-02	0.00E+00

3.13E+01	1.50E+01	1.35E+01	3.66E-03	0.00E+00
3.13E+01	1.49E+01	1.34E+01	7.32E-03	0.00E+00
3.14E+01	1.49E+01	1.35E+01	-1.59E-02	0.00E+00
3.14E+01	1.50E+01	1.34E+01	-2.93E-02	0.00E+00
3.14E+01	1.49E+01	1.36E+01	-3.66E-03	0.00E+00
3.14E+01	1.49E+01	1.34E+01	-2.20E-02	0.00E+00
3.14E+01	1.49E+01	1.32E+01	-1.71E-02	0.00E+00
3.15E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
3.15E+01	1.49E+01	1.35E+01	-4.88E-03	0.00E+00
3.15E+01	1.50E+01	1.33E+01	-1.71E-02	0.00E+00
3.15E+01	1.49E+01	1.31E+01	-1.71E-02	0.00E+00
3.15E+01	1.50E+01	1.36E+01	-1.46E-02	0.00E+00
3.16E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
3.16E+01	1.51E+01	1.32E+01	-3.66E-02	0.00E+00
3.16E+01	1.50E+01	1.35E+01	-1.22E-02	0.00E+00
3.16E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
3.16E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
3.17E+01	1.50E+01	1.35E+01	0.00E+00	0.00E+00
3.17E+01	1.50E+01	1.34E+01	-4.88E-03	0.00E+00
3.17E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.17E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
3.17E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
3.18E+01	1.49E+01	1.34E+01	-3.17E-02	0.00E+00
3.18E+01	1.49E+01	1.33E+01	-7.32E-03	0.00E+00
3.18E+01	1.51E+01	1.33E+01	-2.93E-02	0.00E+00
3.18E+01	1.49E+01	1.33E+01	-9.77E-03	0.00E+00
3.18E+01	1.48E+01	1.33E+01	-1.71E-02	0.00E+00
3.19E+01	1.51E+01	1.33E+01	-3.54E-02	0.00E+00
3.19E+01	1.50E+01	1.35E+01	-1.46E-02	0.00E+00
3.19E+01	1.50E+01	1.35E+01	-1.22E-02	0.00E+00
3.19E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
3.19E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
3.20E+01	1.49E+01	1.35E+01	1.71E-02	0.00E+00
3.20E+01	1.49E+01	1.31E+01	-1.71E-02	0.00E+00
3.20E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.20E+01	1.50E+01	1.34E+01	-1.46E-02	0.00E+00
3.20E+01	1.49E+01	1.33E+01	7.32E-03	0.00E+00
3.21E+01	1.49E+01	1.37E+01	-2.08E-02	0.00E+00
3.21E+01	1.50E+01	1.30E+01	-2.44E-02	0.00E+00
3.21E+01	1.50E+01	1.35E+01	-1.22E-02	0.00E+00
3.21E+01	1.47E+01	1.32E+01	-2.81E-02	0.00E+00
3.21E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
3.22E+01	1.50E+01	1.34E+01	-1.59E-02	0.00E+00
3.22E+01	1.48E+01	1.33E+01	-7.32E-03	0.00E+00
3.22E+01	1.50E+01	1.33E+01	-2.44E-02	0.00E+00
3.22E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
3.22E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00

3.23E+01	1.49E+01	1.31E+01	-9.77E-03	0.00E+00
3.23E+01	1.50E+01	1.34E+01	-4.52E-02	0.00E+00
3.23E+01	1.51E+01	1.33E+01	-1.46E-02	0.00E+00
3.23E+01	1.50E+01	1.33E+01	-9.77E-03	0.00E+00
3.23E+01	1.50E+01	1.34E+01	-2.32E-02	0.00E+00
3.24E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
3.24E+01	1.50E+01	1.33E+01	-1.34E-02	0.00E+00
3.24E+01	1.49E+01	1.33E+01	-3.30E-02	0.00E+00
3.24E+01	1.51E+01	1.34E+01	-4.15E-02	0.00E+00
3.24E+01	1.48E+01	1.34E+01	-1.34E-02	0.00E+00
3.25E+01	1.49E+01	1.32E+01	-1.22E-02	0.00E+00
3.25E+01	1.49E+01	1.34E+01	-4.64E-02	0.00E+00
3.25E+01	1.51E+01	1.34E+01	-2.08E-02	0.00E+00
3.25E+01	1.48E+01	1.36E+01	-1.71E-02	0.00E+00
3.25E+01	1.49E+01	1.31E+01	-2.20E-02	0.00E+00
3.26E+01	1.50E+01	1.34E+01	-2.69E-02	0.00E+00
3.26E+01	1.51E+01	1.34E+01	-2.69E-02	0.00E+00
3.26E+01	1.50E+01	1.33E+01	-2.08E-02	0.00E+00
3.26E+01	1.49E+01	1.33E+01	-2.20E-02	0.00E+00
3.26E+01	1.50E+01	1.34E+01	-1.83E-02	0.00E+00
3.27E+01	1.49E+01	1.34E+01	7.32E-03	0.00E+00
3.27E+01	1.48E+01	1.34E+01	-3.17E-02	0.00E+00
3.27E+01	1.49E+01	1.32E+01	-2.08E-02	0.00E+00
3.27E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
3.27E+01	1.49E+01	1.32E+01	-7.32E-03	0.00E+00
3.28E+01	1.51E+01	1.34E+01	-2.69E-02	0.00E+00
3.28E+01	1.49E+01	1.34E+01	-3.05E-02	0.00E+00
3.28E+01	1.49E+01	1.33E+01	-6.10E-03	0.00E+00
3.28E+01	1.50E+01	1.33E+01	-2.44E-02	0.00E+00
3.28E+01	1.50E+01	1.33E+01	-1.95E-02	0.00E+00
3.29E+01	1.50E+01	1.34E+01	-2.69E-02	0.00E+00
3.29E+01	1.48E+01	1.34E+01	-2.44E-03	0.00E+00
3.29E+01	1.50E+01	1.35E+01	-3.42E-02	0.00E+00
3.29E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
3.29E+01	1.49E+01	1.35E+01	-7.32E-03	0.00E+00
3.30E+01	1.48E+01	1.33E+01	-1.46E-02	0.00E+00
3.30E+01	1.49E+01	1.37E+01	-1.22E-02	0.00E+00
3.30E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
3.30E+01	1.49E+01	1.34E+01	-1.83E-02	0.00E+00
3.30E+01	1.51E+01	1.33E+01	-2.56E-02	0.00E+00
3.31E+01	1.49E+01	1.35E+01	1.22E-03	0.00E+00
3.31E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.31E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
3.31E+01	1.50E+01	1.36E+01	0.00E+00	0.00E+00
3.31E+01	1.49E+01	1.33E+01	-8.54E-03	0.00E+00
3.32E+01	1.50E+01	1.33E+01	-2.20E-02	0.00E+00
3.32E+01	1.49E+01	1.35E+01	-2.20E-02	0.00E+00

3.32E+01	1.50E+01	1.35E+01	-1.22E-02	0.00E+00
3.32E+01	1.49E+01	1.33E+01	-2.20E-02	0.00E+00
3.32E+01	1.49E+01	1.33E+01	-1.22E-02	0.00E+00
3.33E+01	1.50E+01	1.32E+01	-2.44E-02	0.00E+00
3.33E+01	1.50E+01	1.32E+01	-2.93E-02	0.00E+00
3.33E+01	1.48E+01	1.32E+01	-2.44E-03	0.00E+00
3.33E+01	1.49E+01	1.33E+01	-1.59E-02	0.00E+00
3.33E+01	1.50E+01	1.31E+01	-2.81E-02	0.00E+00
3.34E+01	1.49E+01	1.34E+01	-7.32E-03	0.00E+00
3.34E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.34E+01	1.49E+01	1.34E+01	-2.56E-02	0.00E+00
3.34E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
3.34E+01	1.49E+01	1.36E+01	-6.10E-03	0.00E+00
3.35E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
3.35E+01	1.50E+01	1.34E+01	-4.64E-02	0.00E+00
3.35E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
3.35E+01	1.49E+01	1.30E+01	-1.22E-02	0.00E+00
3.35E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
3.36E+01	1.49E+01	1.36E+01	-3.30E-02	0.00E+00
3.36E+01	1.50E+01	1.34E+01	-3.66E-02	0.00E+00
3.36E+01	1.48E+01	1.32E+01	-1.34E-02	0.00E+00
3.36E+01	1.50E+01	1.37E+01	-1.95E-02	0.00E+00
3.36E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
3.37E+01	1.50E+01	1.33E+01	-2.81E-02	0.00E+00
3.37E+01	1.50E+01	1.34E+01	-2.08E-02	0.00E+00
3.37E+01	1.49E+01	1.34E+01	-1.34E-02	0.00E+00
3.37E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
3.37E+01	1.49E+01	1.32E+01	-3.91E-02	0.00E+00
3.38E+01	1.50E+01	1.34E+01	0.00E+00	0.00E+00
3.38E+01	1.49E+01	1.33E+01	-1.71E-02	0.00E+00
3.38E+01	1.49E+01	1.36E+01	-1.83E-02	0.00E+00
3.38E+01	1.50E+01	1.35E+01	-2.44E-02	0.00E+00
3.38E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
3.39E+01	1.49E+01	1.31E+01	-1.46E-02	0.00E+00
3.39E+01	1.49E+01	1.34E+01	-1.71E-02	0.00E+00
3.39E+01	1.49E+01	1.32E+01	-1.71E-02	0.00E+00
3.39E+01	1.47E+01	1.32E+01	-1.46E-02	0.00E+00
3.39E+01	1.48E+01	1.33E+01	-2.69E-02	0.00E+00
3.40E+01	1.50E+01	1.34E+01	-2.08E-02	0.00E+00
3.40E+01	1.49E+01	1.34E+01	-7.32E-03	0.00E+00
3.40E+01	1.49E+01	1.32E+01	-1.95E-02	0.00E+00
3.40E+01	1.50E+01	1.35E+01	-4.64E-02	0.00E+00
3.40E+01	1.50E+01	1.33E+01	-1.46E-02	0.00E+00
3.41E+01	1.49E+01	1.30E+01	-7.32E-03	0.00E+00
3.41E+01	1.50E+01	1.35E+01	-2.44E-02	0.00E+00
3.41E+01	1.49E+01	1.34E+01	-1.34E-02	0.00E+00
3.41E+01	1.47E+01	1.34E+01	-1.83E-02	0.00E+00

3.41E+01	1.52E+01	1.33E+01	-3.17E-02	0.00E+00
3.42E+01	1.49E+01	1.34E+01	-2.44E-03	0.00E+00
3.42E+01	1.49E+01	1.32E+01	-1.71E-02	0.00E+00
3.42E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
3.42E+01	1.50E+01	1.35E+01	-1.71E-02	0.00E+00
3.42E+01	1.49E+01	1.34E+01	-2.44E-02	0.00E+00
3.43E+01	1.49E+01	1.36E+01	-1.95E-02	0.00E+00
3.43E+01	1.50E+01	1.35E+01	-4.88E-02	0.00E+00
3.43E+01	1.50E+01	1.33E+01	-2.32E-02	0.00E+00
3.43E+01	1.48E+01	1.32E+01	-3.05E-02	0.00E+00
3.43E+01	1.50E+01	1.30E+01	-1.46E-02	0.00E+00
3.44E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
3.44E+01	1.50E+01	1.35E+01	-1.10E-02	0.00E+00
3.44E+01	1.48E+01	1.32E+01	-2.20E-02	0.00E+00
3.44E+01	1.50E+01	1.33E+01	-2.20E-02	0.00E+00
3.44E+01	1.50E+01	1.33E+01	-1.46E-02	0.00E+00
3.45E+01	1.48E+01	1.32E+01	-1.71E-02	0.00E+00
3.45E+01	1.50E+01	1.33E+01	-1.95E-02	0.00E+00
3.45E+01	1.49E+01	1.32E+01	-3.17E-02	0.00E+00
3.45E+01	1.49E+01	1.36E+01	-1.59E-02	0.00E+00
3.45E+01	1.49E+01	1.30E+01	-2.93E-02	0.00E+00
3.46E+01	1.50E+01	1.36E+01	-2.20E-02	0.00E+00
3.46E+01	1.50E+01	1.33E+01	-7.32E-03	0.00E+00
3.46E+01	1.48E+01	1.33E+01	-2.20E-02	0.00E+00
3.46E+01	1.50E+01	1.32E+01	-3.54E-02	0.00E+00
3.46E+01	1.49E+01	1.33E+01	-4.88E-03	0.00E+00
3.47E+01	1.49E+01	1.34E+01	-4.15E-02	0.00E+00
3.47E+01	1.50E+01	1.33E+01	-2.32E-02	0.00E+00
3.47E+01	1.50E+01	1.35E+01	-2.93E-02	0.00E+00
3.47E+01	1.48E+01	1.37E+01	-1.46E-02	0.00E+00
3.47E+01	1.49E+01	1.35E+01	-1.71E-02	0.00E+00
3.48E+01	1.51E+01	1.32E+01	-2.93E-02	0.00E+00
3.48E+01	1.49E+01	1.35E+01	-1.95E-02	0.00E+00
3.48E+01	1.49E+01	1.32E+01	-1.34E-02	0.00E+00
3.48E+01	1.50E+01	1.33E+01	-2.44E-02	0.00E+00
3.48E+01	1.50E+01	1.35E+01	-2.56E-02	0.00E+00
3.49E+01	1.49E+01	1.34E+01	1.34E-02	0.00E+00
3.49E+01	1.49E+01	1.33E+01	1.22E-03	0.00E+00
3.49E+01	1.49E+01	1.34E+01	-2.69E-02	0.00E+00
3.49E+01	1.50E+01	1.35E+01	-2.69E-02	0.00E+00
3.49E+01	1.49E+01	1.35E+01	-2.44E-03	0.00E+00
3.50E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
3.50E+01	1.50E+01	1.32E+01	-2.20E-02	0.00E+00
3.50E+01	1.49E+01	1.33E+01	-1.71E-02	0.00E+00
3.50E+01	1.49E+01	1.33E+01	-9.77E-03	0.00E+00
3.50E+01	1.49E+01	1.32E+01	-3.66E-03	0.00E+00
3.51E+01	1.49E+01	1.33E+01	-3.54E-02	0.00E+00

3.51E+01	1.49E+01	1.35E+01	-2.44E-02	0.00E+00
3.51E+01	1.48E+01	1.36E+01	-9.77E-03	0.00E+00
3.51E+01	1.49E+01	1.32E+01	-2.44E-02	0.00E+00
3.51E+01	1.51E+01	1.33E+01	-2.20E-02	0.00E+00
3.52E+01	1.51E+01	1.34E+01	-2.93E-02	0.00E+00
3.52E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
3.52E+01	1.50E+01	1.34E+01	-2.20E-02	0.00E+00
3.52E+01	1.49E+01	1.33E+01	-2.69E-02	0.00E+00
3.52E+01	1.50E+01	1.34E+01	-3.17E-02	0.00E+00
3.53E+01	1.49E+01	1.33E+01	3.66E-03	0.00E+00
3.53E+01	1.50E+01	1.30E+01	-2.69E-02	0.00E+00
3.53E+01	1.49E+01	1.34E+01	-1.95E-02	0.00E+00
3.53E+01	1.50E+01	1.34E+01	-2.44E-03	0.00E+00
3.53E+01	1.49E+01	1.33E+01	-7.32E-03	0.00E+00
3.54E+01	1.49E+01	1.31E+01	-8.54E-03	0.00E+00
3.54E+01	1.49E+01	1.35E+01	-2.69E-02	0.00E+00
3.54E+01	1.50E+01	1.34E+01	-1.34E-02	0.00E+00
3.54E+01	1.47E+01	1.32E+01	-4.88E-03	0.00E+00
3.54E+01	1.48E+01	1.33E+01	-2.44E-02	0.00E+00
3.55E+01	1.50E+01	1.33E+01	-2.69E-02	0.00E+00
3.55E+01	1.50E+01	1.35E+01	-1.46E-02	0.00E+00
3.55E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
3.55E+01	1.49E+01	1.32E+01	-6.10E-03	0.00E+00
3.55E+01	1.50E+01	1.33E+01	-1.71E-02	0.00E+00
3.56E+01	1.50E+01	1.37E+01	-2.08E-02	0.00E+00
3.56E+01	1.49E+01	1.31E+01	-9.77E-03	0.00E+00
3.56E+01	1.48E+01	1.32E+01	-2.69E-02	0.00E+00
3.56E+01	1.50E+01	1.32E+01	-1.46E-02	0.00E+00
3.56E+01	1.49E+01	1.33E+01	-9.77E-03	0.00E+00
3.57E+01	1.49E+01	1.32E+01	-1.34E-02	0.00E+00
3.57E+01	1.50E+01	1.33E+01	-2.32E-02	0.00E+00
3.57E+01	1.50E+01	1.34E+01	-5.62E-02	0.00E+00
3.57E+01	1.50E+01	1.33E+01	-1.59E-02	0.00E+00
3.57E+01	1.47E+01	1.34E+01	0.00E+00	0.00E+00
3.58E+01	1.49E+01	1.33E+01	-2.44E-02	0.00E+00
3.58E+01	1.50E+01	1.34E+01	-1.95E-02	0.00E+00
3.58E+01	1.48E+01	1.35E+01	-2.69E-02	0.00E+00
3.58E+01	1.49E+01	1.34E+01	-1.46E-02	0.00E+00
3.58E+01	1.49E+01	1.34E+01	-1.22E-02	0.00E+00
3.59E+01	1.50E+01	1.32E+01	-2.56E-02	0.00E+00
3.59E+01	1.50E+01	1.34E+01	2.44E-03	0.00E+00
3.59E+01	1.49E+01	1.34E+01	7.32E-03	0.00E+00
3.59E+01	1.50E+01	1.33E+01	-1.46E-02	0.00E+00
3.59E+01	1.50E+01	1.31E+01	-2.44E-02	0.00E+00
3.60E+01	1.50E+01	1.33E+01	-4.39E-02	0.00E+00
3.60E+01	1.48E+01	1.33E+01	-9.77E-03	0.00E+00
3.60E+01	1.50E+01	1.33E+01	-1.46E-02	0.00E+00

3.60E+01	1.49E+01	1.33E+01	-1.95E-02	0.00E+00
3.60E+01	1.50E+01	1.32E+01	-2.93E-02	0.00E+00
3.61E+01	1.48E+01	1.35E+01	-9.77E-03	0.00E+00
3.61E+01	1.49E+01	1.31E+01	-9.77E-03	0.00E+00
3.61E+01	1.49E+01	1.33E+01	-1.46E-02	0.00E+00
3.61E+01	1.50E+01	1.35E+01	-2.20E-02	0.00E+00
3.61E+01	1.49E+01	1.34E+01	-9.77E-03	0.00E+00
3.62E+01	1.50E+01	1.32E+01	7.32E-03	0.00E+00
3.62E+01	1.50E+01	1.32E+01	-4.39E-02	0.00E+00
3.62E+01	1.50E+01	1.38E+01	-1.95E-02	0.00E+00
3.62E+01	1.48E+01	1.30E+01	-1.46E-02	0.00E+00
3.62E+01	1.50E+01	1.31E+01	-2.20E-02	0.00E+00
3.63E+01	1.49E+01	1.34E+01	-2.56E-02	0.00E+00
3.63E+01	1.48E+01	1.33E+01	-1.22E-02	0.00E+00
3.63E+01	1.48E+01	1.32E+01	-1.46E-02	0.00E+00
3.63E+01	1.50E+01	1.32E+01	-2.44E-02	0.00E+00
3.63E+01	1.50E+01	1.33E+01	-3.17E-02	0.00E+00
3.64E+01	1.50E+01	1.34E+01	-2.08E-02	0.00E+00
3.64E+01	1.49E+01	1.31E+01	-1.71E-02	0.00E+00
3.64E+01	1.50E+01	1.33E+01	-1.95E-02	0.00E+00
3.64E+01	1.50E+01	1.35E+01	-2.44E-03	0.00E+00
3.64E+01	1.49E+01	1.34E+01	-3.66E-02	0.00E+00
3.65E+01	1.49E+01	1.34E+01	-7.32E-03	0.00E+00
3.65E+01	1.50E+01	1.32E+01	-2.44E-02	0.00E+00
3.65E+01	1.50E+01	1.29E+01	-2.44E-02	0.00E+00
3.65E+01	1.51E+01	1.18E+01	-1.95E-02	0.00E+00
3.65E+01	1.48E+01	1.14E+01	9.77E-03	0.00E+00
3.66E+01	1.49E+01	1.20E+01	-2.44E-03	0.00E+00
3.66E+01	1.50E+01	1.30E+01	-1.95E-02	0.00E+00
3.66E+01	1.50E+01	1.43E+01	-1.71E-02	0.00E+00
3.66E+01	1.49E+01	1.42E+01	-9.77E-03	0.00E+00
3.66E+01	1.50E+01	1.35E+01	-1.95E-02	0.00E+00
3.67E+01	1.49E+01	1.22E+01	-2.93E-02	0.00E+00
3.67E+01	1.50E+01	1.14E+01	-2.20E-02	0.00E+00
3.67E+01	1.49E+01	1.09E+01	-4.88E-03	0.00E+00
3.67E+01	1.49E+01	1.04E+01	-4.88E-03	0.00E+00
3.67E+01	1.48E+01	8.92E+00	-7.32E-03	0.00E+00
3.68E+01	1.50E+01	6.66E+00	-3.42E-02	0.00E+00
3.68E+01	1.49E+01	4.15E+00	-8.54E-03	0.00E+00
3.68E+01	1.49E+01	1.23E+00	-1.22E-02	0.00E+00
3.68E+01	1.48E+01	7.41E-01	-2.08E-02	0.00E+00
3.68E+01	1.49E+01	8.79E-01	-3.42E-02	0.00E+00
3.69E+01	1.50E+01	1.17E+00	-1.59E-02	0.00E+00
3.69E+01	1.47E+01	9.40E-01	-7.32E-03	0.00E+00
3.69E+01	1.43E+01	8.79E-01	-1.34E-02	0.00E+00
3.69E+01	1.43E+01	8.79E-01	-9.77E-03	0.00E+00
3.69E+01	1.39E+01	1.05E+00	-2.69E-02	0.00E+00

3.70E+01	1.37E+01	7.72E-01	-7.32E-03	0.00E+00
3.70E+01	1.32E+01	1.18E+00	-1.22E-02	0.00E+00
3.70E+01	1.31E+01	8.18E-01	-2.44E-02	0.00E+00
3.70E+01	1.24E+01	1.09E+00	-1.71E-02	0.00E+00
3.70E+01	1.20E+01	9.70E-01	-1.10E-02	0.00E+00
3.71E+01	1.14E+01	8.79E-01	-7.32E-03	0.00E+00
3.71E+01	1.06E+01	9.70E-01	-1.95E-02	0.00E+00
3.71E+01	1.01E+01	1.15E+00	-2.56E-02	0.00E+00
3.71E+01	9.56E+00	8.79E-01	-2.44E-02	0.00E+00
3.71E+01	8.77E+00	8.63E-01	-8.54E-03	0.00E+00
3.72E+01	8.34E+00	1.03E+00	-1.83E-02	0.00E+00
3.72E+01	8.28E+00	1.06E+00	-7.32E-03	0.00E+00
3.72E+01	7.71E+00	8.94E-01	-1.71E-02	0.00E+00
3.72E+01	7.30E+00	9.55E-01	-9.77E-03	0.00E+00
3.72E+01	7.45E+00	9.70E-01	-2.69E-02	0.00E+00
3.73E+01	6.82E+00	1.00E+00	-4.88E-03	0.00E+00
3.73E+01	6.74E+00	1.03E+00	-1.71E-02	0.00E+00
3.73E+01	6.54E+00	8.48E-01	-2.93E-02	0.00E+00
3.73E+01	6.22E+00	9.70E-01	-9.77E-03	0.00E+00
3.73E+01	6.19E+00	8.18E-01	-1.10E-02	0.00E+00
3.74E+01	6.22E+00	9.86E-01	-2.44E-02	0.00E+00
3.74E+01	5.91E+00	8.79E-01	-2.20E-02	0.00E+00
3.74E+01	5.63E+00	1.03E+00	-3.42E-02	0.00E+00
3.74E+01	5.56E+00	8.18E-01	-1.22E-03	0.00E+00
3.74E+01	5.66E+00	9.70E-01	-1.46E-02	0.00E+00
3.75E+01	5.13E+00	1.06E+00	-1.71E-02	0.00E+00
3.75E+01	4.97E+00	9.40E-01	-6.10E-03	0.00E+00
3.75E+01	4.95E+00	8.79E-01	-1.95E-02	0.00E+00
3.75E+01	4.60E+00	1.00E+00	-3.17E-02	0.00E+00
3.75E+01	4.42E+00	1.03E+00	-1.59E-02	0.00E+00
3.76E+01	3.88E+00	8.94E-01	-1.22E-02	0.00E+00
3.76E+01	3.93E+00	9.09E-01	-2.56E-02	0.00E+00
3.76E+01	3.34E+00	9.40E-01	-1.95E-02	0.00E+00
3.76E+01	3.29E+00	9.25E-01	-2.44E-02	0.00E+00
3.76E+01	3.03E+00	9.40E-01	-1.95E-02	0.00E+00
3.77E+01	2.82E+00	1.00E+00	-2.81E-02	0.00E+00
3.77E+01	2.68E+00	1.17E+00	-6.10E-03	0.00E+00
3.77E+01	2.59E+00	9.40E-01	-9.77E-03	0.00E+00
3.77E+01	2.02E+00	8.48E-01	-3.42E-02	0.00E+00
3.77E+01	2.18E+00	1.03E+00	-9.77E-03	0.00E+00
3.78E+01	2.09E+00	1.06E+00	-1.59E-02	0.00E+00
3.78E+01	2.11E+00	8.79E-01	-2.44E-03	0.00E+00
3.78E+01	2.23E+00	8.48E-01	-1.71E-02	0.00E+00
3.78E+01	1.97E+00	1.06E+00	-1.46E-02	0.00E+00
3.78E+01	1.58E+00	1.06E+00	-2.20E-02	0.00E+00
3.79E+01	1.55E+00	8.79E-01	-1.71E-02	0.00E+00
3.79E+01	1.59E+00	1.00E+00	-2.20E-02	0.00E+00

3.79E+01	1.35E+00	1.00E+00	-2.20E-02	0.00E+00
3.79E+01	1.59E+00	8.94E-01	-1.46E-02	0.00E+00
3.79E+01	1.39E+00	7.72E-01	-1.95E-02	0.00E+00
3.80E+01	1.09E+00	1.06E+00	-2.32E-02	0.00E+00
3.80E+01	9.35E-01	9.55E-01	-2.69E-02	0.00E+00
3.80E+01	9.79E-01	8.18E-01	0.00E+00	0.00E+00
3.80E+01	1.09E+00	8.48E-01	-2.93E-02	0.00E+00
3.80E+01	1.08E+00	1.06E+00	-1.59E-02	0.00E+00
3.81E+01	9.08E-01	9.25E-01	-9.77E-03	0.00E+00
3.81E+01	9.35E-01	7.72E-01	-9.77E-03	0.00E+00
3.81E+01	1.21E+00	8.48E-01	-1.46E-02	0.00E+00
3.81E+01	1.06E+00	1.08E+00	-1.95E-02	0.00E+00
3.81E+01	9.73E-01	8.48E-01	-2.20E-02	0.00E+00
3.82E+01	1.04E+00	8.18E-01	-2.20E-02	0.00E+00
3.82E+01	1.10E+00	9.86E-01	-3.05E-02	0.00E+00
3.82E+01	9.68E-01	1.06E+00	-1.46E-02	0.00E+00
3.82E+01	1.04E+00	6.34E-01	-2.69E-02	0.00E+00
3.82E+01	1.03E+00	1.15E+00	-2.20E-02	0.00E+00
3.83E+01	1.13E+00	9.40E-01	-1.46E-02	0.00E+00
3.83E+01	8.58E-01	9.09E-01	-2.44E-03	0.00E+00
3.83E+01	1.12E+00	8.18E-01	-1.95E-02	0.00E+00
3.83E+01	1.01E+00	1.18E+00	-1.59E-02	0.00E+00
3.83E+01	1.02E+00	9.40E-01	-1.95E-02	0.00E+00
3.84E+01	9.68E-01	8.33E-01	-4.88E-02	0.00E+00
3.84E+01	1.14E+00	9.86E-01	-3.66E-02	0.00E+00
3.84E+01	9.68E-01	1.12E+00	-1.71E-02	0.00E+00
3.84E+01	9.90E-01	8.33E-01	-9.77E-03	0.00E+00
3.84E+01	9.95E-01	9.09E-01	-2.44E-02	0.00E+00
3.85E+01	8.97E-01	8.94E-01	-1.22E-02	0.00E+00
3.85E+01	9.46E-01	9.25E-01	-4.88E-03	0.00E+00
3.85E+01	1.02E+00	9.25E-01	-1.71E-02	0.00E+00
3.85E+01	1.07E+00	9.09E-01	-2.93E-02	0.00E+00
3.85E+01	1.01E+00	1.08E+00	4.88E-03	0.00E+00
3.86E+01	1.04E+00	9.40E-01	-2.69E-02	0.00E+00
3.86E+01	1.04E+00	8.18E-01	-2.20E-02	0.00E+00
3.86E+01	1.12E+00	1.09E+00	-2.93E-02	0.00E+00
3.86E+01	9.73E-01	7.26E-01	-7.32E-03	0.00E+00
3.86E+01	1.03E+00	9.40E-01	-1.46E-02	0.00E+00
3.87E+01	1.07E+00	9.40E-01	-3.42E-02	0.00E+00
3.87E+01	1.00E+00	1.06E+00	-1.46E-02	0.00E+00
3.87E+01	9.13E-01	9.40E-01	-1.22E-02	0.00E+00
3.87E+01	1.02E+00	6.65E-01	-1.71E-02	0.00E+00
3.87E+01	1.08E+00	1.15E+00	-4.15E-02	0.00E+00
3.88E+01	1.09E+00	9.40E-01	-4.88E-03	0.00E+00
3.88E+01	1.07E+00	8.48E-01	-2.20E-02	0.00E+00
3.88E+01	1.07E+00	9.40E-01	-2.44E-02	0.00E+00
3.88E+01	1.06E+00	9.70E-01	-1.46E-02	0.00E+00

3.88E+01	9.57E-01	8.94E-01	1.22E-03	0.00E+00
3.89E+01	1.05E+00	8.18E-01	-9.77E-03	0.00E+00
3.89E+01	9.90E-01	1.06E+00	-2.20E-02	0.00E+00
3.89E+01	9.79E-01	6.49E-01	-7.32E-03	0.00E+00
3.89E+01	1.12E+00	1.06E+00	-2.44E-02	0.00E+00
3.89E+01	1.04E+00	1.00E+00	-1.10E-02	0.00E+00
3.90E+01	1.07E+00	8.79E-01	-2.20E-02	0.00E+00
3.90E+01	9.68E-01	8.79E-01	-2.81E-02	0.00E+00
3.90E+01	1.01E+00	1.06E+00	-9.77E-03	0.00E+00
3.90E+01	1.00E+00	9.09E-01	-1.46E-02	0.00E+00
3.90E+01	1.01E+00	8.48E-01	-2.44E-03	0.00E+00
3.91E+01	1.07E+00	1.09E+00	-3.42E-02	0.00E+00
3.91E+01	9.13E-01	6.03E-01	-8.54E-03	0.00E+00
3.91E+01	1.00E+00	8.18E-01	-2.32E-02	0.00E+00
3.91E+01	1.04E+00	1.00E+00	-1.71E-02	0.00E+00
3.91E+01	9.68E-01	8.94E-01	-1.10E-02	0.00E+00
3.92E+01	1.13E+00	8.18E-01	-2.32E-02	0.00E+00
3.92E+01	1.11E+00	1.00E+00	-2.44E-02	0.00E+00
3.92E+01	1.02E+00	9.09E-01	-1.71E-02	0.00E+00
3.92E+01	9.57E-01	8.33E-01	4.88E-03	0.00E+00
3.92E+01	1.02E+00	1.00E+00	-4.88E-03	0.00E+00
3.93E+01	1.01E+00	9.40E-01	-2.20E-02	0.00E+00
3.93E+01	9.35E-01	6.95E-01	-4.88E-03	0.00E+00
3.93E+01	1.04E+00	8.48E-01	-2.20E-02	0.00E+00
3.93E+01	1.19E+00	8.79E-01	-1.22E-02	0.00E+00
3.93E+01	1.00E+00	9.40E-01	1.46E-02	0.00E+00
3.94E+01	1.09E+00	9.09E-01	-2.93E-02	0.00E+00
3.94E+01	1.10E+00	1.23E+00	-2.44E-02	0.00E+00
3.94E+01	9.57E-01	6.34E-01	-1.22E-02	0.00E+00
3.94E+01	1.01E+00	8.79E-01	-1.71E-02	0.00E+00
3.94E+01	1.13E+00	9.40E-01	-1.46E-02	0.00E+00
3.95E+01	9.51E-01	8.79E-01	-2.44E-03	0.00E+00
3.95E+01	1.00E+00	9.25E-01	-1.71E-02	0.00E+00
3.95E+01	1.07E+00	1.02E+00	-2.56E-02	0.00E+00
3.95E+01	1.02E+00	1.00E+00	9.77E-03	0.00E+00
3.95E+01	9.35E-01	8.18E-01	-4.03E-02	0.00E+00
3.96E+01	1.10E+00	1.00E+00	-1.10E-02	0.00E+00
3.96E+01	9.79E-01	1.34E+00	-1.22E-02	0.00E+00
3.96E+01	9.90E-01	5.73E-01	-1.34E-02	0.00E+00
3.96E+01	1.11E+00	9.70E-01	-2.56E-02	0.00E+00
3.96E+01	1.11E+00	1.12E+00	-2.44E-03	0.00E+00
3.97E+01	1.02E+00	8.02E-01	-3.66E-03	0.00E+00
3.97E+01	1.02E+00	6.95E-01	-2.44E-02	0.00E+00
3.97E+01	1.08E+00	1.12E+00	-1.46E-02	0.00E+00
3.97E+01	9.79E-01	9.40E-01	-2.69E-02	0.00E+00
3.97E+01	9.90E-01	8.94E-01	-4.39E-02	0.00E+00
3.98E+01	1.04E+00	7.56E-01	-1.59E-02	0.00E+00

3.98E+01	9.90E-01	9.25E-01	-4.88E-03	0.00E+00
3.98E+01	1.00E+00	9.25E-01	-1.46E-02	0.00E+00
3.98E+01	8.86E-01	9.40E-01	-1.71E-02	0.00E+00
3.98E+01	1.08E+00	1.09E+00	-3.17E-02	0.00E+00
3.99E+01	9.24E-01	9.40E-01	-1.22E-02	0.00E+00
3.99E+01	9.84E-01	7.26E-01	-1.59E-02	0.00E+00
3.99E+01	1.02E+00	7.87E-01	0.00E+00	0.00E+00
3.99E+01	1.19E+00	9.70E-01	-9.77E-03	0.00E+00
3.99E+01	9.02E-01	8.94E-01	-1.95E-02	0.00E+00
4.00E+01	1.02E+00	8.48E-01	-1.95E-02	0.00E+00
4.00E+01	1.12E+00	9.09E-01	-1.71E-02	0.00E+00
4.00E+01	1.01E+00	8.18E-01	-1.10E-02	0.00E+00
4.00E+01	1.37E+00	8.18E-01	-2.81E-02	0.00E+00
4.00E+01	1.61E+00	1.09E+00	-1.95E-02	0.00E+00
4.01E+01	1.61E+00	1.03E+00	-1.95E-02	0.00E+00
4.01E+01	1.48E+00	6.65E-01	-1.59E-02	0.00E+00
4.01E+01	1.61E+00	9.25E-01	-1.71E-02	0.00E+00
4.01E+01	1.54E+00	1.12E+00	-2.69E-02	0.00E+00
4.01E+01	1.57E+00	9.40E-01	-1.46E-02	0.00E+00
4.02E+01	1.52E+00	7.87E-01	-3.17E-02	0.00E+00
4.02E+01	1.60E+00	9.70E-01	-1.95E-02	0.00E+00
4.02E+01	1.55E+00	1.25E+00	-4.15E-02	0.00E+00
4.02E+01	1.56E+00	8.79E-01	7.32E-03	0.00E+00
4.02E+01	1.34E+00	8.33E-01	-3.30E-02	0.00E+00
4.03E+01	1.08E+00	7.56E-01	-8.54E-03	0.00E+00
4.03E+01	1.01E+00	1.25E+00	-8.54E-03	0.00E+00
4.03E+01	8.58E-01	8.33E-01	-1.46E-02	0.00E+00
4.03E+01	1.10E+00	9.40E-01	-1.46E-02	0.00E+00
4.03E+01	1.06E+00	9.86E-01	-1.22E-02	0.00E+00
4.04E+01	1.04E+00	9.40E-01	-1.22E-02	0.00E+00
4.04E+01	1.02E+00	9.40E-01	-2.08E-02	0.00E+00
4.04E+01	1.09E+00	9.40E-01	9.77E-03	0.00E+00
4.04E+01	9.68E-01	8.94E-01	-1.22E-02	0.00E+00
4.04E+01	1.01E+00	8.48E-01	-1.22E-02	0.00E+00
4.05E+01	1.12E+00	1.03E+00	-1.95E-02	0.00E+00
4.05E+01	9.84E-01	1.06E+00	-3.66E-03	0.00E+00
4.05E+01	1.00E+00	7.87E-01	-4.88E-03	0.00E+00
4.05E+01	1.00E+00	9.40E-01	-3.78E-02	0.00E+00
4.05E+01	1.01E+00	1.00E+00	-2.69E-02	0.00E+00
4.06E+01	9.79E-01	7.26E-01	-7.32E-03	0.00E+00
4.06E+01	1.08E+00	5.73E-01	-1.95E-02	0.00E+00
4.06E+01	1.20E+00	8.79E-01	-2.44E-02	0.00E+00
4.06E+01	9.68E-01	1.06E+00	-2.08E-02	0.00E+00
4.06E+01	1.02E+00	8.48E-01	-1.46E-02	0.00E+00
4.07E+01	1.07E+00	1.15E+00	-2.44E-02	0.00E+00
4.07E+01	1.06E+00	9.40E-01	-1.95E-02	0.00E+00
4.07E+01	9.79E-01	9.40E-01	-4.88E-03	0.00E+00

4.07E+01	1.09E+00	1.05E+00	-2.69E-02	0.00E+00
4.07E+01	1.08E+00	1.06E+00	-1.22E-02	0.00E+00
4.08E+01	1.04E+00	7.56E-01	-1.22E-02	0.00E+00
4.08E+01	9.24E-01	8.79E-01	-7.32E-03	0.00E+00
4.08E+01	1.01E+00	1.05E+00	-3.66E-02	0.00E+00
4.08E+01	8.36E-01	1.00E+00	-1.46E-02	0.00E+00
4.08E+01	1.06E+00	8.63E-01	-1.83E-02	0.00E+00
4.09E+01	1.02E+00	8.63E-01	-2.69E-02	0.00E+00
4.09E+01	1.08E+00	1.09E+00	-7.32E-03	0.00E+00
4.09E+01	1.03E+00	8.79E-01	-4.88E-03	0.00E+00
4.09E+01	9.57E-01	8.63E-01	-6.10E-03	0.00E+00
4.09E+01	1.08E+00	8.79E-01	-2.69E-02	0.00E+00
4.10E+01	1.10E+00	9.70E-01	-1.46E-02	0.00E+00
4.10E+01	8.69E-01	9.70E-01	-1.22E-02	0.00E+00
4.10E+01	1.12E+00	9.40E-01	-7.32E-03	0.00E+00
4.10E+01	9.90E-01	8.48E-01	-2.69E-02	0.00E+00
4.10E+01	1.13E+00	1.14E+00	-9.77E-03	0.00E+00
4.11E+01	9.79E-01	1.00E+00	-1.46E-02	0.00E+00
4.11E+01	1.02E+00	8.94E-01	-1.59E-02	0.00E+00
4.11E+01	1.19E+00	9.09E-01	-2.20E-02	0.00E+00
4.11E+01	1.03E+00	8.33E-01	-2.44E-03	0.00E+00
4.11E+01	9.68E-01	8.79E-01	-1.34E-02	0.00E+00
4.12E+01	1.01E+00	9.40E-01	-1.95E-02	0.00E+00
4.12E+01	1.09E+00	9.70E-01	-1.22E-02	0.00E+00
4.12E+01	9.68E-01	9.70E-01	-1.22E-02	0.00E+00
4.12E+01	1.00E+00	8.18E-01	-4.88E-03	0.00E+00
4.12E+01	1.01E+00	1.11E+00	-2.44E-02	0.00E+00
4.13E+01	1.04E+00	1.12E+00	-1.22E-02	0.00E+00
4.13E+01	8.25E-01	7.56E-01	-9.77E-03	0.00E+00
4.13E+01	1.14E+00	9.70E-01	-3.05E-02	0.00E+00
4.13E+01	9.84E-01	8.48E-01	-2.81E-02	0.00E+00
4.13E+01	9.90E-01	1.06E+00	-9.77E-03	0.00E+00
4.14E+01	9.68E-01	1.06E+00	-1.95E-02	0.00E+00
4.14E+01	1.03E+00	1.03E+00	-5.13E-02	0.00E+00
4.14E+01	9.79E-01	1.09E+00	-3.54E-02	0.00E+00
4.14E+01	9.46E-01	1.03E+00	-9.77E-03	0.00E+00
4.14E+01	1.07E+00	9.70E-01	-2.81E-02	0.00E+00
4.15E+01	1.04E+00	1.00E+00	-1.95E-02	0.00E+00
4.15E+01	1.08E+00	9.70E-01	-2.69E-02	0.00E+00
4.15E+01	1.08E+00	8.18E-01	-7.32E-03	0.00E+00
4.15E+01	1.10E+00	8.79E-01	-2.20E-02	0.00E+00
4.15E+01	1.06E+00	8.18E-01	-1.46E-02	0.00E+00
4.16E+01	1.00E+00	9.40E-01	-1.71E-02	0.00E+00
4.16E+01	1.02E+00	7.10E-01	-1.83E-02	0.00E+00
4.16E+01	1.11E+00	1.03E+00	-1.46E-02	0.00E+00
4.16E+01	1.02E+00	1.31E+00	-1.95E-02	0.00E+00
4.16E+01	9.90E-01	9.40E-01	-9.77E-03	0.00E+00

4.17E+01	9.35E-01	6.95E-01	-2.08E-02	0.00E+00
4.17E+01	1.20E+00	1.02E+00	-1.59E-02	0.00E+00
4.17E+01	9.46E-01	1.02E+00	-1.95E-02	0.00E+00
4.17E+01	9.73E-01	9.55E-01	-1.22E-02	0.00E+00
4.17E+01	1.00E+00	8.79E-01	-2.44E-02	0.00E+00
4.18E+01	1.07E+00	1.05E+00	1.46E-02	0.00E+00
4.18E+01	9.24E-01	9.25E-01	-7.32E-03	0.00E+00
4.18E+01	9.57E-01	9.09E-01	-1.22E-02	0.00E+00
4.18E+01	1.07E+00	8.02E-01	-2.69E-02	0.00E+00
4.18E+01	1.01E+00	1.00E+00	-1.22E-02	0.00E+00
4.19E+01	9.24E-01	8.48E-01	1.10E-02	0.00E+00
4.19E+01	9.90E-01	8.02E-01	-2.44E-03	0.00E+00
4.19E+01	1.06E+00	9.70E-01	-2.20E-02	0.00E+00
4.19E+01	1.01E+00	8.79E-01	-1.22E-02	0.00E+00
4.19E+01	1.00E+00	1.03E+00	-9.77E-03	0.00E+00
4.20E+01	1.13E+00	8.48E-01	-2.20E-02	0.00E+00
4.20E+01	1.53E+00	1.05E+00	-3.66E-03	0.00E+00
4.20E+01	1.48E+00	1.06E+00	-3.42E-02	0.00E+00
4.20E+01	1.56E+00	1.03E+00	-1.95E-02	0.00E+00
4.20E+01	1.58E+00	8.79E-01	-2.56E-02	0.00E+00
4.21E+01	1.53E+00	1.11E+00	-7.32E-03	0.00E+00
4.21E+01	1.64E+00	7.26E-01	-6.10E-03	0.00E+00
4.21E+01	1.78E+00	8.79E-01	-1.95E-02	0.00E+00
4.21E+01	2.01E+00	9.55E-01	-2.69E-02	0.00E+00
4.21E+01	2.08E+00	8.94E-01	1.22E-03	0.00E+00
4.22E+01	1.97E+00	9.86E-01	4.88E-03	0.00E+00
4.22E+01	1.91E+00	8.48E-01	-1.95E-02	0.00E+00
4.22E+01	2.12E+00	8.48E-01	-3.66E-02	0.00E+00
4.22E+01	2.15E+00	6.65E-01	-3.66E-03	0.00E+00
4.22E+01	2.18E+00	9.09E-01	-2.32E-02	0.00E+00
4.23E+01	2.46E+00	9.25E-01	-1.71E-02	0.00E+00
4.23E+01	2.76E+00	9.86E-01	-3.66E-03	0.00E+00
4.23E+01	2.43E+00	9.86E-01	-3.66E-03	0.00E+00
4.23E+01	2.30E+00	9.70E-01	-1.95E-02	0.00E+00
4.23E+01	2.25E+00	7.87E-01	-2.32E-02	0.00E+00
4.24E+01	2.27E+00	1.08E+00	8.54E-03	0.00E+00
4.24E+01	2.03E+00	1.09E+00	1.22E-03	0.00E+00
4.24E+01	2.32E+00	8.79E-01	-2.69E-02	0.00E+00
4.24E+01	2.20E+00	9.70E-01	-1.95E-02	0.00E+00
4.24E+01	2.23E+00	1.15E+00	-2.69E-02	0.00E+00
4.25E+01	2.15E+00	9.40E-01	-2.08E-02	0.00E+00
4.25E+01	2.18E+00	7.87E-01	-3.05E-02	0.00E+00
4.25E+01	2.20E+00	8.63E-01	-1.46E-02	0.00E+00
4.25E+01	2.25E+00	1.18E+00	-1.95E-02	0.00E+00
4.25E+01	2.14E+00	7.72E-01	0.00E+00	0.00E+00
4.26E+01	2.36E+00	8.79E-01	-2.20E-02	0.00E+00
4.26E+01	2.37E+00	9.70E-01	-3.17E-02	0.00E+00

4.26E+01	2.64E+00	1.00E+00	-3.42E-02	0.00E+00
4.26E+01	2.63E+00	7.72E-01	-2.44E-03	0.00E+00
4.26E+01	2.75E+00	7.87E-01	-2.08E-02	0.00E+00
4.27E+01	2.30E+00	8.02E-01	-1.83E-02	0.00E+00
4.27E+01	2.09E+00	1.05E+00	-2.44E-03	0.00E+00
4.27E+01	1.96E+00	9.09E-01	-9.77E-03	0.00E+00
4.27E+01	2.19E+00	9.70E-01	-2.69E-02	0.00E+00
4.27E+01	2.16E+00	8.79E-01	-1.46E-02	0.00E+00
4.28E+01	2.09E+00	9.40E-01	-1.10E-02	0.00E+00
4.28E+01	2.11E+00	9.70E-01	-4.64E-02	0.00E+00
4.28E+01	2.12E+00	1.00E+00	-2.20E-02	0.00E+00
4.28E+01	1.90E+00	1.18E+00	-1.95E-02	0.00E+00
4.28E+01	1.49E+00	8.48E-01	-1.22E-02	0.00E+00
4.29E+01	1.50E+00	1.02E+00	-2.56E-02	0.00E+00
4.29E+01	1.51E+00	1.02E+00	-1.46E-02	0.00E+00
4.29E+01	1.60E+00	9.70E-01	-4.88E-03	0.00E+00
4.29E+01	1.26E+00	9.25E-01	-2.08E-02	0.00E+00
4.29E+01	1.27E+00	9.40E-01	-2.20E-02	0.00E+00
4.30E+01	1.21E+00	9.40E-01	-8.54E-03	0.00E+00
4.30E+01	1.30E+00	9.09E-01	-2.20E-02	0.00E+00
4.30E+01	1.07E+00	8.02E-01	-3.17E-02	0.00E+00
4.30E+01	1.32E+00	1.00E+00	-2.32E-02	0.00E+00
4.30E+01	1.19E+00	1.06E+00	-1.10E-02	0.00E+00
4.31E+01	1.18E+00	7.87E-01	4.88E-03	0.00E+00
4.31E+01	1.13E+00	9.70E-01	-1.95E-02	0.00E+00
4.31E+01	1.14E+00	1.00E+00	-1.59E-02	0.00E+00
4.31E+01	1.04E+00	1.05E+00	-1.95E-02	0.00E+00
4.31E+01	1.16E+00	1.00E+00	-2.44E-02	0.00E+00
4.32E+01	1.22E+00	1.02E+00	-1.71E-02	0.00E+00
4.32E+01	1.06E+00	7.41E-01	-1.22E-02	0.00E+00
4.32E+01	1.07E+00	9.55E-01	-4.15E-02	0.00E+00
4.32E+01	1.14E+00	1.03E+00	-2.81E-02	0.00E+00
4.32E+01	1.02E+00	9.55E-01	-8.54E-03	0.00E+00
4.33E+01	9.46E-01	9.25E-01	-1.34E-02	0.00E+00
4.33E+01	8.25E-01	9.09E-01	-2.08E-02	0.00E+00
4.33E+01	1.15E+00	9.70E-01	-1.46E-02	0.00E+00
4.33E+01	9.02E-01	9.40E-01	-1.22E-03	0.00E+00
4.33E+01	1.01E+00	8.18E-01	-2.81E-02	0.00E+00
4.34E+01	1.00E+00	9.70E-01	1.22E-02	0.00E+00
4.34E+01	9.90E-01	9.70E-01	-1.34E-02	0.00E+00
4.34E+01	9.90E-01	7.56E-01	-1.83E-02	0.00E+00
4.34E+01	9.90E-01	9.55E-01	-2.69E-02	0.00E+00
4.34E+01	9.68E-01	8.94E-01	-1.95E-02	0.00E+00
4.35E+01	9.62E-01	1.00E+00	-1.22E-02	0.00E+00
4.35E+01	9.51E-01	7.56E-01	-6.10E-03	0.00E+00
4.35E+01	9.68E-01	9.70E-01	7.32E-03	0.00E+00
4.35E+01	9.29E-01	1.14E+00	-1.46E-02	0.00E+00

4.35E+01	9.19E-01	1.12E+00	-9.77E-03	0.00E+00
4.36E+01	1.01E+00	8.02E-01	-2.44E-02	0.00E+00
4.36E+01	1.15E+00	1.00E+00	-9.77E-03	0.00E+00
4.36E+01	9.90E-01	9.55E-01	-1.46E-02	0.00E+00
4.36E+01	9.24E-01	9.55E-01	-1.95E-02	0.00E+00
4.36E+01	1.07E+00	7.56E-01	-2.69E-02	0.00E+00
4.37E+01	9.84E-01	6.34E-01	-7.32E-03	0.00E+00
4.37E+01	7.49E-01	9.70E-01	-1.46E-02	0.00E+00
4.37E+01	9.24E-01	9.40E-01	-3.30E-02	0.00E+00
4.37E+01	1.01E+00	9.09E-01	-2.08E-02	0.00E+00
4.37E+01	9.57E-01	9.40E-01	-1.71E-02	0.00E+00
4.38E+01	1.02E+00	9.40E-01	-1.95E-02	0.00E+00
4.38E+01	9.68E-01	9.09E-01	-2.69E-02	0.00E+00
4.38E+01	9.68E-01	8.18E-01	-2.20E-02	0.00E+00
4.38E+01	9.90E-01	8.79E-01	-1.22E-02	0.00E+00
4.38E+01	9.68E-01	8.33E-01	-1.10E-02	0.00E+00
4.39E+01	9.46E-01	7.87E-01	-2.20E-02	0.00E+00
4.39E+01	1.04E+00	1.00E+00	-4.88E-03	0.00E+00
4.39E+01	9.51E-01	8.79E-01	8.54E-03	0.00E+00
4.39E+01	1.48E+00	9.09E-01	-8.54E-03	0.00E+00
4.39E+01	1.65E+00	1.15E+00	-2.69E-02	0.00E+00
4.40E+01	1.48E+00	1.11E+00	-1.22E-03	0.00E+00
4.40E+01	1.62E+00	8.48E-01	-1.95E-02	0.00E+00
4.40E+01	1.24E+00	9.40E-01	-3.17E-02	0.00E+00
4.40E+01	1.49E+00	1.06E+00	-1.22E-03	0.00E+00
4.40E+01	1.56E+00	7.72E-01	-1.59E-02	0.00E+00
4.41E+01	1.73E+00	9.86E-01	-1.95E-02	0.00E+00
4.41E+01	2.19E+00	1.06E+00	-2.44E-03	0.00E+00
4.41E+01	1.87E+00	8.48E-01	-1.95E-02	0.00E+00
4.41E+01	2.20E+00	5.73E-01	-1.71E-02	0.00E+00
4.41E+01	2.44E+00	9.40E-01	-1.22E-02	0.00E+00
4.42E+01	2.26E+00	8.79E-01	-1.10E-02	0.00E+00
4.42E+01	2.38E+00	8.18E-01	-4.88E-03	0.00E+00
4.42E+01	2.88E+00	9.40E-01	-1.34E-02	0.00E+00
4.42E+01	2.83E+00	1.03E+00	-7.32E-03	0.00E+00
4.42E+01	3.21E+00	1.18E+00	-7.32E-03	0.00E+00
4.43E+01	3.33E+00	1.00E+00	-2.69E-02	0.00E+00
4.43E+01	3.32E+00	1.08E+00	-1.59E-02	0.00E+00
4.43E+01	3.80E+00	1.00E+00	-2.56E-02	0.00E+00
4.43E+01	3.91E+00	9.40E-01	-2.20E-02	0.00E+00
4.43E+01	4.26E+00	1.02E+00	-2.44E-02	0.00E+00
4.44E+01	4.45E+00	9.86E-01	-9.77E-03	0.00E+00
4.44E+01	4.43E+00	8.18E-01	-1.46E-02	0.00E+00
4.44E+01	4.64E+00	8.48E-01	-2.44E-02	0.00E+00
4.44E+01	5.21E+00	1.00E+00	-1.71E-02	0.00E+00
4.44E+01	5.00E+00	8.48E-01	-1.71E-02	0.00E+00
4.45E+01	5.02E+00	1.14E+00	-1.22E-02	0.00E+00

4.45E+01	5.39E+00	7.87E-01	-2.20E-02	0.00E+00
4.45E+01	5.47E+00	1.03E+00	-9.77E-03	0.00E+00
4.45E+01	5.61E+00	8.18E-01	-1.22E-02	0.00E+00
4.45E+01	5.62E+00	9.40E-01	-3.17E-02	0.00E+00
4.46E+01	5.67E+00	9.55E-01	-4.88E-03	0.00E+00
4.46E+01	5.56E+00	7.72E-01	-9.77E-03	0.00E+00
4.46E+01	5.70E+00	1.02E+00	-4.76E-02	0.00E+00
4.46E+01	5.68E+00	9.86E-01	-1.22E-02	0.00E+00
4.46E+01	5.77E+00	9.09E-01	-1.46E-02	0.00E+00
4.47E+01	5.68E+00	9.55E-01	-3.42E-02	0.00E+00
4.47E+01	5.71E+00	1.18E+00	-1.71E-02	0.00E+00
4.47E+01	5.67E+00	1.00E+00	-3.17E-02	0.00E+00
4.47E+01	5.64E+00	8.18E-01	-2.20E-02	0.00E+00
4.47E+01	5.88E+00	1.00E+00	-1.10E-02	0.00E+00
4.48E+01	5.54E+00	8.79E-01	-1.71E-02	0.00E+00
4.48E+01	5.61E+00	8.48E-01	-9.77E-03	0.00E+00
4.48E+01	5.68E+00	8.79E-01	-2.69E-02	0.00E+00
4.48E+01	5.63E+00	1.15E+00	-1.22E-02	0.00E+00
4.48E+01	5.66E+00	9.40E-01	-1.95E-02	0.00E+00
4.49E+01	5.77E+00	7.56E-01	-1.46E-02	0.00E+00
4.49E+01	5.47E+00	1.12E+00	-1.22E-02	0.00E+00
4.49E+01	4.98E+00	7.56E-01	-9.77E-03	0.00E+00
4.49E+01	5.14E+00	7.10E-01	-1.95E-02	0.00E+00
4.49E+01	5.00E+00	9.55E-01	-2.08E-02	0.00E+00
4.50E+01	4.63E+00	9.25E-01	-4.88E-03	0.00E+00
4.50E+01	4.59E+00	9.09E-01	-1.95E-02	0.00E+00
4.50E+01	4.52E+00	9.55E-01	-1.22E-02	0.00E+00
4.50E+01	4.42E+00	9.70E-01	-9.77E-03	0.00E+00
4.50E+01	3.96E+00	9.40E-01	-1.71E-02	0.00E+00
4.51E+01	3.88E+00	1.00E+00	1.22E-03	0.00E+00
4.51E+01	3.85E+00	1.23E+00	-1.83E-02	0.00E+00
4.51E+01	3.41E+00	9.25E-01	-1.71E-02	0.00E+00
4.51E+01	3.40E+00	8.63E-01	-1.22E-02	0.00E+00
4.51E+01	3.44E+00	8.02E-01	-1.22E-03	0.00E+00
4.52E+01	3.21E+00	7.56E-01	-1.46E-02	0.00E+00
4.52E+01	2.82E+00	1.06E+00	-2.69E-02	0.00E+00
4.52E+01	2.69E+00	7.56E-01	-6.10E-03	0.00E+00
4.52E+01	2.74E+00	1.15E+00	-2.56E-02	0.00E+00
4.52E+01	2.39E+00	9.86E-01	-1.95E-02	0.00E+00
4.53E+01	2.50E+00	8.94E-01	-2.20E-02	0.00E+00
4.53E+01	2.22E+00	9.70E-01	-1.46E-02	0.00E+00
4.53E+01	2.13E+00	8.63E-01	-4.88E-03	0.00E+00
4.53E+01	2.08E+00	8.63E-01	-1.34E-02	0.00E+00
4.53E+01	1.93E+00	8.48E-01	-2.20E-02	0.00E+00
4.54E+01	1.60E+00	1.20E+00	-3.66E-03	0.00E+00
4.54E+01	1.56E+00	8.48E-01	-1.46E-02	0.00E+00
4.54E+01	1.61E+00	9.40E-01	-1.95E-02	0.00E+00

4.54E+01	1.20E+00	1.18E+00	-1.71E-02	0.00E+00
4.54E+01	1.04E+00	8.48E-01	-2.20E-02	0.00E+00
4.55E+01	1.03E+00	1.00E+00	-2.32E-02	0.00E+00
4.55E+01	1.22E+00	1.09E+00	-3.17E-02	0.00E+00
4.55E+01	1.05E+00	9.40E-01	0.00E+00	0.00E+00
4.55E+01	1.15E+00	6.03E-01	-1.95E-02	0.00E+00
4.55E+01	1.11E+00	8.48E-01	-1.71E-02	0.00E+00
4.56E+01	1.07E+00	9.09E-01	-1.10E-02	0.00E+00
4.56E+01	8.58E-01	9.09E-01	-2.44E-02	0.00E+00
4.56E+01	9.57E-01	9.70E-01	-2.69E-02	0.00E+00
4.56E+01	1.09E+00	9.40E-01	-1.95E-02	0.00E+00
4.56E+01	1.00E+00	7.56E-01	0.00E+00	0.00E+00
4.57E+01	1.10E+00	8.48E-01	-4.88E-02	0.00E+00
4.57E+01	9.46E-01	1.00E+00	-1.34E-02	0.00E+00
4.57E+01	9.68E-01	9.09E-01	-6.10E-03	0.00E+00
4.57E+01	1.09E+00	8.02E-01	-1.22E-02	0.00E+00
4.57E+01	1.18E+00	9.25E-01	-1.71E-02	0.00E+00
4.58E+01	1.00E+00	1.03E+00	-1.71E-02	0.00E+00
4.58E+01	1.04E+00	9.40E-01	-4.15E-02	0.00E+00
4.58E+01	9.84E-01	9.70E-01	-1.95E-02	0.00E+00
4.58E+01	1.10E+00	1.03E+00	-2.44E-03	0.00E+00
4.58E+01	1.04E+00	8.18E-01	-2.44E-02	0.00E+00
4.59E+01	1.07E+00	9.09E-01	-2.20E-02	0.00E+00
4.59E+01	1.07E+00	1.08E+00	1.22E-02	0.00E+00
4.59E+01	1.03E+00	8.79E-01	-1.34E-02	0.00E+00
4.59E+01	1.03E+00	9.55E-01	-3.17E-02	0.00E+00
4.59E+01	1.11E+00	9.40E-01	-1.34E-02	0.00E+00
4.60E+01	1.01E+00	7.56E-01	-2.44E-03	0.00E+00
4.60E+01	1.10E+00	1.03E+00	-2.44E-02	0.00E+00
4.60E+01	1.04E+00	9.09E-01	1.71E-02	0.00E+00
4.60E+01	1.14E+00	9.70E-01	-7.32E-03	0.00E+00
4.60E+01	1.22E+00	8.48E-01	-2.69E-02	0.00E+00
4.61E+01	1.09E+00	1.11E+00	-1.71E-02	0.00E+00
4.61E+01	1.02E+00	8.48E-01	-8.54E-03	0.00E+00
4.61E+01	1.04E+00	1.00E+00	-9.77E-03	0.00E+00
4.61E+01	1.09E+00	1.23E+00	-2.20E-02	0.00E+00
4.61E+01	1.02E+00	9.55E-01	-1.71E-02	0.00E+00
4.62E+01	1.07E+00	8.48E-01	-2.44E-03	0.00E+00
4.62E+01	1.12E+00	9.09E-01	-1.71E-02	0.00E+00
4.62E+01	1.04E+00	8.18E-01	-7.32E-03	0.00E+00
4.62E+01	1.02E+00	8.18E-01	-2.69E-02	0.00E+00
4.62E+01	1.21E+00	1.00E+00	-1.22E-02	0.00E+00
4.63E+01	1.23E+00	1.06E+00	-1.22E-03	0.00E+00
4.63E+01	9.19E-01	8.48E-01	-2.20E-02	0.00E+00
4.63E+01	1.12E+00	1.06E+00	-1.22E-02	0.00E+00
4.63E+01	1.05E+00	8.79E-01	0.00E+00	0.00E+00
4.63E+01	9.62E-01	8.48E-01	-1.22E-02	0.00E+00

4.64E+01	1.22E+00	9.40E-01	-3.54E-02	0.00E+00
4.64E+01	1.00E+00	1.06E+00	-1.71E-02	0.00E+00
4.64E+01	9.68E-01	8.02E-01	-7.32E-03	0.00E+00
4.64E+01	1.08E+00	9.09E-01	-2.69E-02	0.00E+00
4.64E+01	1.11E+00	1.20E+00	2.44E-03	0.00E+00
4.65E+01	8.86E-01	9.09E-01	-2.44E-03	0.00E+00
4.65E+01	1.07E+00	8.79E-01	-1.59E-02	0.00E+00
4.65E+01	1.08E+00	1.05E+00	-2.56E-02	0.00E+00
4.65E+01	1.06E+00	9.55E-01	-9.77E-03	0.00E+00
4.65E+01	1.04E+00	7.56E-01	2.44E-03	0.00E+00
4.66E+01	1.00E+00	8.63E-01	0.00E+00	0.00E+00
4.66E+01	1.09E+00	1.09E+00	-7.32E-03	0.00E+00
4.66E+01	1.03E+00	5.88E-01	-8.54E-03	0.00E+00
4.66E+01	1.11E+00	9.55E-01	-1.95E-02	0.00E+00
4.66E+01	9.79E-01	1.00E+00	-1.22E-02	0.00E+00
4.67E+01	9.90E-01	9.70E-01	8.54E-03	0.00E+00
4.67E+01	1.06E+00	1.03E+00	-1.46E-02	0.00E+00
4.67E+01	1.11E+00	7.87E-01	-1.22E-02	0.00E+00
4.67E+01	1.02E+00	1.18E+00	-1.34E-02	0.00E+00
4.67E+01	1.03E+00	8.79E-01	-2.20E-02	0.00E+00
4.68E+01	1.24E+00	8.18E-01	0.00E+00	0.00E+00
4.68E+01	1.09E+00	9.40E-01	-1.95E-02	0.00E+00
4.68E+01	1.06E+00	9.09E-01	-2.69E-02	0.00E+00
4.68E+01	1.09E+00	1.02E+00	-2.44E-02	0.00E+00
4.68E+01	1.00E+00	6.65E-01	-9.77E-03	0.00E+00
4.69E+01	8.47E-01	1.03E+00	-1.95E-02	0.00E+00
4.69E+01	1.04E+00	1.02E+00	-3.17E-02	0.00E+00
4.69E+01	1.01E+00	9.70E-01	-1.59E-02	0.00E+00
4.69E+01	1.05E+00	5.88E-01	-1.71E-02	0.00E+00
4.69E+01	1.06E+00	1.08E+00	-1.95E-02	0.00E+00
4.70E+01	1.02E+00	1.12E+00	-9.77E-03	0.00E+00
4.70E+01	1.12E+00	8.79E-01	-4.88E-03	0.00E+00
4.70E+01	1.10E+00	1.03E+00	-4.88E-03	0.00E+00
4.70E+01	1.04E+00	9.40E-01	-1.95E-02	0.00E+00
4.70E+01	1.02E+00	6.03E-01	-7.32E-03	0.00E+00
4.71E+01	1.12E+00	4.20E-01	-2.20E-02	0.00E+00
4.71E+01	1.24E+00	1.00E+00	-9.77E-03	0.00E+00
4.71E+01	1.15E+00	9.86E-01	-2.56E-02	0.00E+00
4.71E+01	1.02E+00	8.33E-01	-1.71E-02	0.00E+00
4.71E+01	1.08E+00	1.12E+00	-2.69E-02	0.00E+00
4.72E+01	9.95E-01	1.22E+00	-9.77E-03	0.00E+00
4.72E+01	1.01E+00	9.40E-01	-1.22E-02	0.00E+00
4.72E+01	1.03E+00	8.79E-01	-1.22E-02	0.00E+00
4.72E+01	1.06E+00	1.03E+00	6.10E-03	0.00E+00
4.72E+01	1.02E+00	8.18E-01	-2.08E-02	0.00E+00
4.73E+01	1.02E+00	1.11E+00	-2.20E-02	0.00E+00
4.73E+01	1.07E+00	9.40E-01	-2.20E-02	0.00E+00

4.73E+01	1.16E+00	1.02E+00	-9.77E-03	0.00E+00
4.73E+01	1.07E+00	8.79E-01	0.00E+00	0.00E+00
4.73E+01	1.06E+00	9.70E-01	-2.44E-03	0.00E+00
4.74E+01	1.09E+00	7.56E-01	-7.32E-03	0.00E+00
4.74E+01	1.01E+00	8.18E-01	-2.44E-02	0.00E+00
4.74E+01	1.10E+00	9.55E-01	-1.95E-02	0.00E+00
4.74E+01	1.02E+00	1.09E+00	-3.42E-02	0.00E+00
4.74E+01	1.06E+00	9.70E-01	-1.22E-02	0.00E+00
4.75E+01	1.06E+00	9.86E-01	-1.83E-02	0.00E+00
4.75E+01	9.40E-01	9.40E-01	-9.77E-03	0.00E+00
4.75E+01	1.03E+00	9.70E-01	-1.59E-02	0.00E+00
4.75E+01	1.27E+00	9.25E-01	-2.69E-02	0.00E+00
4.75E+01	8.91E-01	9.09E-01	1.22E-03	0.00E+00
4.76E+01	9.68E-01	8.79E-01	-2.44E-02	0.00E+00
4.76E+01	1.09E+00	1.09E+00	-2.56E-02	0.00E+00
4.76E+01	9.84E-01	1.31E+00	-8.54E-03	0.00E+00
4.76E+01	1.06E+00	7.56E-01	-2.20E-02	0.00E+00
4.76E+01	9.13E-01	1.00E+00	-7.32E-03	0.00E+00
4.77E+01	1.10E+00	1.00E+00	-1.22E-02	0.00E+00
4.77E+01	9.68E-01	8.79E-01	-2.20E-02	0.00E+00
4.77E+01	1.17E+00	8.48E-01	-2.20E-02	0.00E+00
4.77E+01	1.07E+00	8.18E-01	-1.59E-02	0.00E+00
4.77E+01	1.14E+00	8.79E-01	-1.34E-02	0.00E+00
4.78E+01	1.11E+00	9.40E-01	-1.95E-02	0.00E+00
4.78E+01	1.01E+00	9.86E-01	-1.59E-02	0.00E+00
4.78E+01	1.07E+00	1.00E+00	-1.59E-02	0.00E+00
4.78E+01	1.04E+00	9.70E-01	-2.69E-02	0.00E+00
4.78E+01	1.15E+00	1.06E+00	7.32E-03	0.00E+00
4.79E+01	1.07E+00	9.70E-01	-7.32E-03	0.00E+00
4.79E+01	9.02E-01	8.48E-01	-2.69E-02	0.00E+00
4.79E+01	1.14E+00	9.55E-01	-2.93E-02	0.00E+00
4.79E+01	9.90E-01	8.79E-01	-1.46E-02	0.00E+00
4.79E+01	1.08E+00	8.79E-01	-2.44E-02	0.00E+00
4.80E+01	9.57E-01	1.09E+00	-2.44E-02	0.00E+00
4.80E+01	9.46E-01	1.06E+00	-9.77E-03	0.00E+00
4.80E+01	1.02E+00	8.33E-01	-1.22E-02	0.00E+00
4.80E+01	1.11E+00	1.00E+00	-2.20E-02	0.00E+00
4.80E+01	1.07E+00	1.03E+00	-1.46E-02	0.00E+00
4.81E+01	9.90E-01	1.06E+00	-1.22E-02	0.00E+00
4.81E+01	1.03E+00	9.86E-01	-3.30E-02	0.00E+00
4.81E+01	9.79E-01	9.70E-01	-9.77E-03	0.00E+00
4.81E+01	1.08E+00	9.70E-01	-4.88E-03	0.00E+00
4.81E+01	1.10E+00	9.70E-01	-2.93E-02	0.00E+00
4.82E+01	1.15E+00	1.15E+00	-1.10E-02	0.00E+00
4.82E+01	1.11E+00	9.09E-01	-1.22E-02	0.00E+00
4.82E+01	1.22E+00	9.40E-01	-4.88E-03	0.00E+00
4.82E+01	1.08E+00	9.55E-01	-2.69E-02	0.00E+00

4.82E+01	1.09E+00	9.40E-01	-4.88E-03	0.00E+00
4.83E+01	1.10E+00	7.26E-01	-1.71E-02	0.00E+00
4.83E+01	1.19E+00	8.79E-01	-4.39E-02	0.00E+00
4.83E+01	1.20E+00	1.12E+00	-1.95E-02	0.00E+00
4.83E+01	1.34E+00	7.72E-01	-1.71E-02	0.00E+00
4.83E+01	1.31E+00	8.79E-01	-2.56E-02	0.00E+00
4.84E+01	1.48E+00	1.03E+00	-2.69E-02	0.00E+00
4.84E+01	1.39E+00	8.48E-01	-4.88E-03	0.00E+00
4.84E+01	1.35E+00	9.40E-01	-2.44E-02	0.00E+00
4.84E+01	1.58E+00	1.03E+00	-2.08E-02	0.00E+00
4.84E+01	1.58E+00	1.00E+00	0.00E+00	0.00E+00
4.85E+01	1.57E+00	6.49E-01	-1.46E-02	0.00E+00
4.85E+01	1.67E+00	1.03E+00	-1.46E-02	0.00E+00
4.85E+01	1.53E+00	1.03E+00	-9.77E-03	0.00E+00
4.85E+01	1.50E+00	9.09E-01	-3.91E-02	0.00E+00
4.85E+01	1.71E+00	8.18E-01	-2.44E-02	0.00E+00
4.86E+01	1.60E+00	1.00E+00	2.44E-03	0.00E+00
4.86E+01	1.49E+00	9.40E-01	-1.95E-02	0.00E+00
4.86E+01	1.55E+00	1.00E+00	-2.81E-02	0.00E+00
4.86E+01	1.64E+00	1.12E+00	-1.22E-02	0.00E+00
4.86E+01	1.49E+00	1.03E+00	-3.30E-02	0.00E+00
4.87E+01	1.64E+00	9.40E-01	-1.83E-02	0.00E+00
4.87E+01	1.67E+00	9.25E-01	-1.22E-02	0.00E+00
4.87E+01	1.56E+00	1.09E+00	-7.32E-03	0.00E+00
4.87E+01	1.55E+00	1.14E+00	-2.69E-02	0.00E+00
4.87E+01	1.60E+00	8.79E-01	-1.95E-02	0.00E+00
4.88E+01	1.65E+00	1.00E+00	-1.10E-02	0.00E+00
4.88E+01	1.53E+00	8.48E-01	-1.95E-02	0.00E+00
4.88E+01	1.60E+00	1.09E+00	-3.42E-02	0.00E+00
4.88E+01	1.54E+00	1.22E+00	-1.71E-02	0.00E+00
4.88E+01	1.47E+00	9.40E-01	-1.71E-02	0.00E+00
4.89E+01	1.62E+00	1.00E+00	-2.69E-02	0.00E+00
4.89E+01	1.56E+00	9.40E-01	-1.59E-02	0.00E+00
4.89E+01	1.50E+00	9.55E-01	-2.44E-03	0.00E+00
4.89E+01	1.54E+00	8.48E-01	-2.69E-02	0.00E+00
4.89E+01	1.57E+00	1.28E+00	-1.46E-02	0.00E+00
4.90E+01	1.47E+00	8.79E-01	-9.77E-03	0.00E+00
4.90E+01	1.54E+00	8.79E-01	-1.95E-02	0.00E+00
4.90E+01	1.60E+00	1.11E+00	-2.44E-02	0.00E+00
4.90E+01	1.60E+00	8.48E-01	-1.71E-02	0.00E+00
4.90E+01	1.56E+00	8.79E-01	-1.22E-02	0.00E+00
4.91E+01	1.61E+00	8.79E-01	-1.59E-02	0.00E+00
4.91E+01	1.49E+00	9.70E-01	-2.44E-03	0.00E+00
4.91E+01	1.56E+00	9.09E-01	-2.44E-02	0.00E+00
4.91E+01	1.57E+00	9.40E-01	-2.08E-02	0.00E+00
4.91E+01	1.68E+00	1.12E+00	-2.44E-02	0.00E+00
4.92E+01	1.48E+00	8.79E-01	-2.93E-02	0.00E+00

4.92E+01	1.57E+00	8.79E-01	-1.22E-02	0.00E+00
4.92E+01	1.55E+00	8.48E-01	-1.46E-02	0.00E+00
4.92E+01	1.34E+00	1.03E+00	-2.08E-02	0.00E+00
4.92E+01	1.32E+00	1.12E+00	-2.32E-02	0.00E+00
4.93E+01	1.21E+00	9.40E-01	-9.77E-03	0.00E+00
4.93E+01	1.29E+00	7.56E-01	-7.32E-03	0.00E+00
4.93E+01	1.40E+00	1.18E+00	-2.08E-02	0.00E+00
4.93E+01	1.53E+00	1.17E+00	-1.59E-02	0.00E+00
4.93E+01	1.50E+00	8.94E-01	-1.46E-02	0.00E+00
4.94E+01	1.57E+00	8.79E-01	-1.46E-02	0.00E+00
4.94E+01	1.50E+00	9.70E-01	-1.71E-02	0.00E+00
4.94E+01	1.47E+00	1.06E+00	-2.44E-02	0.00E+00
4.94E+01	1.66E+00	7.56E-01	-1.71E-02	0.00E+00
4.94E+01	1.55E+00	1.12E+00	-1.34E-02	0.00E+00
4.95E+01	1.62E+00	8.18E-01	-6.10E-03	0.00E+00
4.95E+01	1.69E+00	9.70E-01	-1.46E-02	0.00E+00
4.95E+01	1.58E+00	9.09E-01	-2.44E-03	0.00E+00
4.95E+01	1.54E+00	6.80E-01	-1.46E-02	0.00E+00
4.95E+01	1.69E+00	1.22E+00	-2.93E-02	0.00E+00
4.96E+01	1.65E+00	8.79E-01	-7.32E-03	0.00E+00
4.96E+01	1.71E+00	8.63E-01	-1.46E-02	0.00E+00
4.96E+01	1.88E+00	9.25E-01	-5.13E-02	0.00E+00
4.96E+01	2.07E+00	9.55E-01	-1.10E-02	0.00E+00
4.96E+01	2.19E+00	7.87E-01	-2.69E-02	0.00E+00
4.97E+01	2.19E+00	9.40E-01	-1.71E-02	0.00E+00
4.97E+01	2.01E+00	9.70E-01	2.44E-03	0.00E+00
4.97E+01	2.17E+00	7.41E-01	-1.95E-02	0.00E+00
4.97E+01	2.14E+00	1.02E+00	-1.22E-02	0.00E+00
4.97E+01	2.06E+00	1.25E+00	-8.54E-03	0.00E+00
4.98E+01	2.11E+00	8.18E-01	-1.10E-02	0.00E+00
4.98E+01	2.08E+00	8.94E-01	-2.44E-02	0.00E+00
4.98E+01	1.91E+00	8.79E-01	4.88E-03	0.00E+00
4.98E+01	1.78E+00	9.09E-01	4.88E-03	0.00E+00
4.98E+01	1.96E+00	8.18E-01	-1.46E-02	0.00E+00
4.99E+01	2.01E+00	1.06E+00	-2.20E-02	0.00E+00
4.99E+01	1.81E+00	9.09E-01	-9.77E-03	0.00E+00
4.99E+01	1.83E+00	9.70E-01	-1.10E-02	0.00E+00
4.99E+01	1.95E+00	8.79E-01	-2.44E-02	0.00E+00
4.99E+01	1.84E+00	1.09E+00	-1.83E-02	0.00E+00
5.00E+01	1.85E+00	6.65E-01	-1.95E-02	0.00E+00
5.00E+01	1.87E+00	8.18E-01	-2.44E-02	0.00E+00
5.00E+01	1.90E+00	1.12E+00	-1.71E-02	0.00E+00
5.00E+01	1.75E+00	1.12E+00	-7.32E-03	0.00E+00
5.00E+01	1.84E+00	8.48E-01	-3.78E-02	0.00E+00
5.01E+01	1.91E+00	9.40E-01	-3.54E-02	0.00E+00
5.01E+01	1.85E+00	1.03E+00	-1.22E-02	0.00E+00
5.01E+01	1.79E+00	9.70E-01	-2.69E-02	0.00E+00

5.01E+01	1.90E+00	9.40E-01	-1.71E-02	0.00E+00
5.01E+01	1.85E+00	1.02E+00	-9.77E-03	0.00E+00
5.02E+01	1.80E+00	9.70E-01	-2.20E-02	0.00E+00
5.02E+01	1.97E+00	1.06E+00	-2.56E-02	0.00E+00
5.02E+01	1.82E+00	9.40E-01	-7.32E-03	0.00E+00
5.02E+01	1.82E+00	9.09E-01	-1.83E-02	0.00E+00
5.02E+01	2.09E+00	9.09E-01	-2.44E-02	0.00E+00
5.03E+01	2.11E+00	8.02E-01	2.44E-03	0.00E+00
5.03E+01	2.21E+00	8.63E-01	-2.20E-02	0.00E+00
5.03E+01	2.02E+00	9.70E-01	-2.93E-02	0.00E+00
5.03E+01	1.62E+00	1.03E+00	-1.22E-02	0.00E+00
5.03E+01	1.50E+00	7.56E-01	-1.71E-02	0.00E+00
5.04E+01	1.60E+00	1.00E+00	-2.20E-02	0.00E+00
5.04E+01	1.50E+00	8.18E-01	1.34E-02	0.00E+00
5.04E+01	1.47E+00	9.09E-01	-1.22E-03	0.00E+00
5.04E+01	1.42E+00	1.00E+00	-2.69E-02	0.00E+00
5.04E+01	1.61E+00	9.09E-01	-1.22E-02	0.00E+00
5.05E+01	1.25E+00	9.25E-01	-9.77E-03	0.00E+00
5.05E+01	1.16E+00	4.20E-01	-1.46E-02	0.00E+00
5.05E+01	1.07E+00	1.12E+00	-1.71E-02	0.00E+00
5.05E+01	1.27E+00	8.94E-01	-2.44E-02	0.00E+00
5.05E+01	1.17E+00	9.40E-01	-8.54E-03	0.00E+00
5.06E+01	1.24E+00	9.40E-01	-2.69E-02	0.00E+00
5.06E+01	1.18E+00	1.14E+00	-1.46E-02	0.00E+00
5.06E+01	1.12E+00	1.00E+00	-1.22E-02	0.00E+00
5.06E+01	1.15E+00	8.02E-01	-1.22E-03	0.00E+00
5.06E+01	1.22E+00	1.09E+00	2.44E-03	0.00E+00
5.07E+01	1.09E+00	7.56E-01	-1.95E-02	0.00E+00
5.07E+01	1.13E+00	9.40E-01	-1.46E-02	0.00E+00
5.07E+01	1.20E+00	8.18E-01	-1.46E-02	0.00E+00
5.07E+01	1.02E+00	1.09E+00	-9.77E-03	0.00E+00
5.07E+01	1.20E+00	9.86E-01	-3.66E-03	0.00E+00
5.08E+01	1.24E+00	9.25E-01	4.88E-03	0.00E+00
5.08E+01	1.18E+00	7.87E-01	-8.54E-03	0.00E+00
5.08E+01	1.23E+00	8.79E-01	-2.44E-02	0.00E+00
5.08E+01	1.18E+00	9.86E-01	-1.22E-02	0.00E+00
5.08E+01	1.13E+00	1.15E+00	-2.69E-02	0.00E+00
5.09E+01	1.01E+00	7.56E-01	-1.95E-02	0.00E+00
5.09E+01	1.27E+00	9.70E-01	-2.20E-02	0.00E+00
5.09E+01	1.19E+00	1.00E+00	-2.69E-02	0.00E+00
5.09E+01	1.05E+00	9.40E-01	-1.71E-02	0.00E+00
5.09E+01	1.21E+00	1.18E+00	-2.93E-02	0.00E+00
5.10E+01	1.12E+00	1.09E+00	-2.44E-03	0.00E+00
5.10E+01	1.07E+00	6.95E-01	-1.34E-02	0.00E+00
5.10E+01	1.26E+00	8.48E-01	-2.69E-02	0.00E+00
5.10E+01	1.19E+00	1.00E+00	-1.83E-02	0.00E+00
5.10E+01	1.06E+00	1.18E+00	-2.20E-02	0.00E+00

5.11E+01	1.21E+00	9.09E-01	-1.95E-02	0.00E+00
5.11E+01	1.02E+00	9.40E-01	-1.59E-02	0.00E+00
5.11E+01	1.07E+00	9.09E-01	-2.44E-02	0.00E+00
5.11E+01	1.15E+00	1.06E+00	-3.05E-02	0.00E+00
5.11E+01	1.21E+00	7.26E-01	-9.77E-03	0.00E+00
5.12E+01	1.08E+00	8.63E-01	-1.34E-02	0.00E+00
5.12E+01	1.18E+00	1.00E+00	-2.93E-02	0.00E+00
5.12E+01	1.15E+00	7.87E-01	6.10E-03	0.00E+00
5.12E+01	1.21E+00	1.00E+00	-9.77E-03	0.00E+00
5.12E+01	1.20E+00	8.79E-01	-8.54E-03	0.00E+00
5.13E+01	1.22E+00	1.00E+00	-2.20E-02	0.00E+00
5.13E+01	1.03E+00	9.09E-01	-1.22E-03	0.00E+00
5.13E+01	1.12E+00	7.87E-01	-1.22E-02	0.00E+00
5.13E+01	1.18E+00	1.09E+00	-2.93E-02	0.00E+00
5.13E+01	9.13E-01	1.00E+00	7.32E-03	0.00E+00
5.14E+01	1.10E+00	8.63E-01	-1.71E-02	0.00E+00
5.14E+01	1.15E+00	9.40E-01	-2.69E-02	0.00E+00
5.14E+01	1.22E+00	7.56E-01	-1.46E-02	0.00E+00
5.14E+01	1.06E+00	8.48E-01	-7.32E-03	0.00E+00
5.14E+01	1.18E+00	9.55E-01	-2.44E-02	0.00E+00
5.15E+01	1.18E+00	1.06E+00	-5.13E-02	0.00E+00
5.15E+01	1.12E+00	9.55E-01	-3.66E-02	0.00E+00
5.15E+01	1.09E+00	1.00E+00	-7.32E-03	0.00E+00
5.15E+01	1.22E+00	9.40E-01	-2.44E-02	0.00E+00
5.15E+01	1.15E+00	1.12E+00	-2.20E-02	0.00E+00
5.16E+01	1.10E+00	1.09E+00	-2.20E-02	0.00E+00
5.16E+01	1.24E+00	8.79E-01	-2.44E-02	0.00E+00
5.16E+01	1.25E+00	1.03E+00	-4.88E-03	0.00E+00
5.16E+01	1.12E+00	9.09E-01	-7.32E-03	0.00E+00
5.16E+01	1.09E+00	1.15E+00	-2.20E-02	0.00E+00
5.17E+01	1.24E+00	9.40E-01	-1.95E-02	0.00E+00
5.17E+01	1.09E+00	1.00E+00	-1.22E-02	0.00E+00
5.17E+01	1.12E+00	8.02E-01	-4.88E-03	0.00E+00
5.17E+01	1.28E+00	9.09E-01	-1.71E-02	0.00E+00
5.17E+01	1.01E+00	9.40E-01	-1.46E-02	0.00E+00
5.18E+01	1.13E+00	9.09E-01	-1.71E-02	0.00E+00
5.18E+01	1.13E+00	8.79E-01	-1.59E-02	0.00E+00
5.18E+01	1.08E+00	8.79E-01	-1.22E-02	0.00E+00
5.18E+01	1.20E+00	1.09E+00	-1.95E-02	0.00E+00
5.18E+01	1.26E+00	8.18E-01	-7.32E-03	0.00E+00
5.19E+01	1.20E+00	8.48E-01	-2.93E-02	0.00E+00
5.19E+01	1.27E+00	9.40E-01	-1.46E-02	0.00E+00
5.19E+01	1.07E+00	8.94E-01	-4.88E-03	0.00E+00
5.19E+01	1.14E+00	6.19E-01	-1.46E-02	0.00E+00
5.19E+01	1.18E+00	1.00E+00	-1.22E-02	0.00E+00
5.20E+01	1.07E+00	8.63E-01	-1.22E-02	0.00E+00
5.20E+01	1.19E+00	8.79E-01	3.66E-03	0.00E+00

5.20E+01	1.18E+00	1.00E+00	-1.46E-02	0.00E+00
5.20E+01	1.14E+00	9.70E-01	-9.77E-03	0.00E+00
5.20E+01	1.21E+00	9.40E-01	-1.95E-02	0.00E+00
5.21E+01	1.10E+00	1.06E+00	9.77E-03	0.00E+00
5.21E+01	1.25E+00	9.09E-01	-1.59E-02	0.00E+00
5.21E+01	1.31E+00	9.40E-01	-1.71E-02	0.00E+00
5.21E+01	1.18E+00	1.12E+00	-1.46E-02	0.00E+00
5.21E+01	1.16E+00	7.41E-01	-7.32E-03	0.00E+00
5.22E+01	1.15E+00	4.81E-01	-1.71E-02	0.00E+00
5.22E+01	1.20E+00	1.09E+00	-1.46E-02	0.00E+00
5.22E+01	1.09E+00	9.40E-01	-2.69E-02	0.00E+00
5.22E+01	1.19E+00	9.70E-01	-3.78E-02	0.00E+00
5.22E+01	1.13E+00	1.06E+00	-2.69E-02	0.00E+00
5.23E+01	1.06E+00	1.22E+00	-4.88E-03	0.00E+00
5.23E+01	1.16E+00	8.79E-01	-2.20E-02	0.00E+00
5.23E+01	1.19E+00	1.03E+00	-1.95E-02	0.00E+00
5.23E+01	1.12E+00	1.00E+00	-1.95E-02	0.00E+00
5.23E+01	9.68E-01	8.18E-01	-2.08E-02	0.00E+00
5.24E+01	1.20E+00	1.02E+00	-2.69E-02	0.00E+00
5.24E+01	1.10E+00	1.02E+00	-1.34E-02	0.00E+00
5.24E+01	1.11E+00	8.63E-01	-1.71E-02	0.00E+00
5.24E+01	1.16E+00	8.79E-01	-2.20E-02	0.00E+00
5.24E+01	1.00E+00	1.03E+00	-1.34E-02	0.00E+00
5.25E+01	1.09E+00	1.00E+00	4.88E-03	0.00E+00
5.25E+01	1.23E+00	8.48E-01	-3.91E-02	0.00E+00
5.25E+01	1.08E+00	1.34E+00	-1.71E-02	0.00E+00
5.25E+01	1.12E+00	9.40E-01	-1.22E-02	0.00E+00
5.25E+01	1.13E+00	7.56E-01	-1.22E-02	0.00E+00
5.26E+01	1.18E+00	1.09E+00	-2.69E-02	0.00E+00
5.26E+01	9.84E-01	8.79E-01	-1.34E-02	0.00E+00
5.26E+01	1.07E+00	9.86E-01	-1.59E-02	0.00E+00
5.26E+01	1.19E+00	9.09E-01	-1.34E-02	0.00E+00
5.26E+01	1.06E+00	1.02E+00	-6.10E-03	0.00E+00
5.27E+01	1.15E+00	1.09E+00	-2.56E-02	0.00E+00
5.27E+01	1.21E+00	1.00E+00	-1.95E-02	0.00E+00
5.27E+01	1.13E+00	9.70E-01	9.77E-03	0.00E+00
5.27E+01	1.09E+00	8.79E-01	-1.95E-02	0.00E+00
5.27E+01	1.20E+00	1.03E+00	-2.44E-02	0.00E+00
5.28E+01	1.14E+00	6.34E-01	-1.22E-03	0.00E+00
5.28E+01	1.12E+00	8.63E-01	-1.46E-02	0.00E+00
5.28E+01	1.22E+00	9.40E-01	-2.44E-02	0.00E+00
5.28E+01	1.08E+00	1.09E+00	-2.44E-03	0.00E+00
5.28E+01	1.13E+00	8.63E-01	-2.69E-02	0.00E+00
5.29E+01	1.24E+00	9.40E-01	-1.46E-02	0.00E+00
5.29E+01	1.06E+00	8.63E-01	-1.22E-02	0.00E+00
5.29E+01	1.21E+00	1.17E+00	-2.69E-02	0.00E+00
5.29E+01	1.25E+00	8.02E-01	-1.71E-02	0.00E+00

5.29E+01	1.53E+00	8.79E-01	-9.77E-03	0.00E+00
5.30E+01	1.53E+00	9.86E-01	-2.20E-02	0.00E+00
5.30E+01	1.48E+00	7.72E-01	-1.10E-02	0.00E+00
5.30E+01	1.48E+00	1.34E+00	-2.08E-02	0.00E+00
5.30E+01	1.60E+00	1.00E+00	-2.32E-02	0.00E+00
5.30E+01	1.32E+00	7.26E-01	-9.77E-03	0.00E+00
5.31E+01	1.04E+00	1.14E+00	-1.46E-02	0.00E+00
5.31E+01	1.35E+00	6.95E-01	-2.44E-03	0.00E+00
5.31E+01	1.34E+00	9.09E-01	-3.66E-03	0.00E+00
5.31E+01	1.60E+00	5.88E-01	-1.95E-02	0.00E+00
5.31E+01	1.54E+00	1.06E+00	-9.77E-03	0.00E+00
5.32E+01	1.55E+00	8.02E-01	-1.22E-02	0.00E+00
5.32E+01	1.80E+00	1.02E+00	-1.59E-02	0.00E+00
5.32E+01	1.92E+00	9.86E-01	-8.54E-03	0.00E+00
5.32E+01	2.25E+00	9.09E-01	-1.71E-02	0.00E+00
5.32E+01	1.93E+00	1.03E+00	-2.20E-02	0.00E+00
5.33E+01	1.54E+00	1.00E+00	-1.46E-02	0.00E+00
5.33E+01	1.94E+00	9.40E-01	-1.95E-02	0.00E+00
5.33E+01	2.01E+00	1.00E+00	-1.59E-02	0.00E+00
5.33E+01	2.08E+00	9.09E-01	-2.81E-02	0.00E+00
5.33E+01	2.30E+00	1.00E+00	-2.20E-02	0.00E+00
5.34E+01	2.14E+00	6.95E-01	-1.71E-02	0.00E+00
5.34E+01	2.36E+00	1.00E+00	-1.22E-02	0.00E+00
5.34E+01	2.24E+00	1.12E+00	-2.20E-02	0.00E+00
5.34E+01	2.15E+00	1.06E+00	-2.44E-03	0.00E+00
5.34E+01	2.75E+00	1.09E+00	-2.56E-02	0.00E+00
5.35E+01	2.81E+00	1.05E+00	-1.10E-02	0.00E+00
5.35E+01	2.75E+00	1.00E+00	-1.71E-02	0.00E+00
5.35E+01	2.81E+00	1.00E+00	-2.93E-02	0.00E+00
5.35E+01	2.77E+00	1.22E+00	-1.71E-02	0.00E+00
5.35E+01	3.27E+00	7.56E-01	-1.34E-02	0.00E+00
5.36E+01	3.24E+00	9.55E-01	-7.32E-03	0.00E+00
5.36E+01	3.26E+00	1.18E+00	-2.44E-03	0.00E+00
5.36E+01	3.58E+00	8.02E-01	-1.95E-02	0.00E+00
5.36E+01	3.89E+00	1.09E+00	-1.71E-02	0.00E+00
5.36E+01	3.94E+00	1.06E+00	-9.77E-03	0.00E+00
5.37E+01	4.19E+00	9.09E-01	-2.20E-02	0.00E+00
5.37E+01	4.54E+00	1.06E+00	2.44E-03	0.00E+00
5.37E+01	4.56E+00	1.02E+00	6.10E-03	0.00E+00
5.37E+01	5.17E+00	1.43E+00	-1.95E-02	0.00E+00
5.37E+01	5.08E+00	1.06E+00	-4.88E-03	0.00E+00
5.38E+01	5.35E+00	6.65E-01	-7.32E-03	0.00E+00
5.38E+01	5.67E+00	7.41E-01	-4.52E-02	0.00E+00
5.38E+01	5.80E+00	1.34E+00	-9.77E-03	0.00E+00
5.38E+01	6.28E+00	1.03E+00	-1.46E-02	0.00E+00
5.38E+01	6.52E+00	1.05E+00	-1.22E-02	0.00E+00
5.39E+01	6.73E+00	7.72E-01	-1.46E-02	0.00E+00

5.39E+01	7.40E+00	1.09E+00	-2.44E-02	0.00E+00
5.39E+01	7.33E+00	1.09E+00	-1.10E-02	0.00E+00
5.39E+01	7.95E+00	7.56E-01	2.44E-03	0.00E+00
5.39E+01	8.36E+00	9.70E-01	-7.32E-03	0.00E+00
5.40E+01	8.54E+00	9.09E-01	-1.22E-02	0.00E+00
5.40E+01	9.19E+00	1.09E+00	-1.22E-02	0.00E+00
5.40E+01	9.41E+00	1.06E+00	-1.46E-02	0.00E+00
5.40E+01	9.66E+00	8.48E-01	-1.95E-02	0.00E+00
5.40E+01	1.03E+01	1.02E+00	-1.34E-02	0.00E+00
5.41E+01	1.07E+01	7.72E-01	-4.88E-03	0.00E+00
5.41E+01	1.12E+01	1.00E+00	-2.81E-02	0.00E+00
5.41E+01	1.18E+01	1.22E+00	-1.46E-02	0.00E+00
5.41E+01	1.20E+01	1.37E+00	-2.44E-02	0.00E+00
5.41E+01	1.27E+01	6.49E-01	-1.71E-02	0.00E+00
5.42E+01	1.29E+01	8.18E-01	-8.54E-03	0.00E+00
5.42E+01	1.35E+01	1.00E+00	-4.88E-02	0.00E+00
5.42E+01	1.39E+01	1.11E+00	-1.46E-02	0.00E+00
5.42E+01	1.44E+01	1.00E+00	-9.77E-03	0.00E+00
5.42E+01	1.50E+01	7.26E-01	-2.20E-02	0.00E+00
5.43E+01	1.52E+01	1.09E+00	-4.88E-03	0.00E+00
5.43E+01	1.55E+01	1.06E+00	-1.59E-02	0.00E+00
5.43E+01	1.63E+01	8.48E-01	-1.59E-02	0.00E+00
5.43E+01	1.65E+01	1.22E+00	-4.88E-03	0.00E+00
5.43E+01	1.68E+01	9.25E-01	-8.54E-03	0.00E+00
5.44E+01	1.72E+01	9.09E-01	-7.32E-03	0.00E+00
5.44E+01	1.78E+01	9.40E-01	-2.44E-02	0.00E+00
5.44E+01	1.81E+01	9.09E-01	-1.10E-02	0.00E+00
5.44E+01	1.84E+01	1.40E+00	7.32E-03	0.00E+00
5.44E+01	1.91E+01	8.48E-01	-2.20E-02	0.00E+00
5.45E+01	1.91E+01	1.06E+00	0.00E+00	0.00E+00
5.45E+01	1.96E+01	1.15E+00	-4.64E-02	0.00E+00
5.45E+01	2.01E+01	7.87E-01	-1.95E-02	0.00E+00
5.45E+01	2.04E+01	8.18E-01	-1.46E-02	0.00E+00
5.45E+01	2.08E+01	8.18E-01	-1.46E-02	0.00E+00
5.46E+01	2.12E+01	1.00E+00	-1.83E-02	0.00E+00
5.46E+01	2.15E+01	1.09E+00	-3.66E-02	0.00E+00
5.46E+01	2.20E+01	9.70E-01	-4.88E-03	0.00E+00
5.46E+01	2.25E+01	9.25E-01	-1.71E-02	0.00E+00
5.46E+01	2.25E+01	9.09E-01	-1.22E-02	0.00E+00
5.47E+01	2.30E+01	1.17E+00	-1.71E-02	0.00E+00
5.47E+01	2.34E+01	9.86E-01	-1.71E-02	0.00E+00
5.47E+01	2.34E+01	8.94E-01	-3.91E-02	0.00E+00
5.47E+01	2.41E+01	1.09E+00	-1.46E-02	0.00E+00
5.47E+01	2.41E+01	1.03E+00	-1.22E-02	0.00E+00
5.48E+01	2.47E+01	1.00E+00	-2.56E-02	0.00E+00
5.48E+01	2.51E+01	1.15E+00	-7.32E-03	0.00E+00
5.48E+01	2.53E+01	9.40E-01	-1.71E-02	0.00E+00

5.48E+01	2.57E+01	1.17E+00	-2.20E-02	0.00E+00
5.48E+01	2.61E+01	8.94E-01	-4.88E-03	0.00E+00
5.49E+01	2.66E+01	1.02E+00	-3.05E-02	0.00E+00
5.49E+01	2.68E+01	1.15E+00	-1.34E-02	0.00E+00
5.49E+01	2.72E+01	6.65E-01	-2.20E-02	0.00E+00
5.49E+01	2.77E+01	9.25E-01	-7.32E-03	0.00E+00
5.49E+01	2.81E+01	1.08E+00	-2.56E-02	0.00E+00
5.50E+01	2.86E+01	9.40E-01	-1.59E-02	0.00E+00
5.50E+01	2.86E+01	1.17E+00	-2.20E-02	0.00E+00
5.50E+01	2.94E+01	1.03E+00	-4.39E-02	0.00E+00
5.50E+01	2.95E+01	1.02E+00	-9.77E-03	0.00E+00
5.50E+01	3.00E+01	6.65E-01	-1.95E-02	0.00E+00
5.51E+01	3.03E+01	1.14E+00	-9.77E-03	0.00E+00
5.51E+01	3.06E+01	7.87E-01	-2.20E-02	0.00E+00
5.51E+01	3.12E+01	9.09E-01	-1.34E-02	0.00E+00
5.51E+01	3.15E+01	1.09E+00	6.10E-03	0.00E+00
5.51E+01	3.19E+01	1.12E+00	-3.17E-02	0.00E+00
5.52E+01	3.22E+01	8.94E-01	-1.83E-02	0.00E+00
5.52E+01	3.29E+01	1.26E+00	-1.22E-02	0.00E+00
5.52E+01	3.32E+01	8.63E-01	-1.46E-02	0.00E+00
5.52E+01	3.39E+01	8.02E-01	-2.44E-02	0.00E+00
5.52E+01	3.40E+01	1.09E+00	-9.77E-03	0.00E+00
5.53E+01	3.45E+01	9.86E-01	-2.32E-02	0.00E+00
5.53E+01	3.50E+01	1.15E+00	-1.10E-02	0.00E+00
5.53E+01	3.53E+01	1.05E+00	-2.08E-02	0.00E+00
5.53E+01	3.58E+01	9.70E-01	-1.46E-02	0.00E+00
5.53E+01	3.63E+01	1.02E+00	-1.95E-02	0.00E+00
5.54E+01	3.67E+01	6.80E-01	-2.20E-02	0.00E+00
5.54E+01	3.70E+01	1.15E+00	-9.77E-03	0.00E+00
5.54E+01	3.75E+01	9.86E-01	2.44E-03	0.00E+00
5.54E+01	3.80E+01	8.94E-01	-2.20E-02	0.00E+00
5.54E+01	3.85E+01	1.03E+00	-2.44E-03	0.00E+00
5.55E+01	3.87E+01	1.00E+00	-2.81E-02	0.00E+00
5.55E+01	3.92E+01	8.79E-01	-1.10E-02	0.00E+00
5.55E+01	3.99E+01	9.09E-01	-2.56E-02	0.00E+00
5.55E+01	4.02E+01	9.70E-01	-6.10E-03	0.00E+00
5.55E+01	4.07E+01	1.06E+00	-1.10E-02	0.00E+00
5.56E+01	4.10E+01	1.05E+00	-1.71E-02	0.00E+00
5.56E+01	4.14E+01	9.40E-01	-7.32E-03	0.00E+00
5.56E+01	4.22E+01	1.00E+00	-1.22E-02	0.00E+00
5.56E+01	4.24E+01	8.48E-01	-9.77E-03	0.00E+00
5.56E+01	4.28E+01	9.40E-01	-2.32E-02	0.00E+00
5.57E+01	4.33E+01	1.06E+00	-1.22E-02	0.00E+00
5.57E+01	4.40E+01	9.86E-01	4.88E-03	0.00E+00
5.57E+01	4.41E+01	1.11E+00	-9.77E-03	0.00E+00
5.57E+01	4.47E+01	8.79E-01	-1.95E-02	0.00E+00
5.57E+01	4.51E+01	1.00E+00	0.00E+00	0.00E+00

5.58E+01	4.57E+01	9.40E-01	-2.32E-02	0.00E+00
5.58E+01	4.60E+01	9.40E-01	-1.46E-02	0.00E+00
5.58E+01	4.62E+01	7.56E-01	-1.22E-02	0.00E+00
5.58E+01	4.69E+01	1.06E+00	2.44E-03	0.00E+00
5.58E+01	4.73E+01	9.70E-01	-1.46E-02	0.00E+00
5.59E+01	4.75E+01	9.25E-01	-1.71E-02	0.00E+00
5.59E+01	4.80E+01	1.06E+00	-1.95E-02	0.00E+00
5.59E+01	4.83E+01	7.56E-01	-2.20E-02	0.00E+00
5.59E+01	4.86E+01	1.06E+00	-1.71E-02	0.00E+00
5.59E+01	4.91E+01	8.18E-01	-1.22E-02	0.00E+00
5.60E+01	4.95E+01	1.05E+00	1.71E-02	0.00E+00
5.60E+01	4.98E+01	8.48E-01	-1.59E-02	0.00E+00
5.60E+01	5.01E+01	1.00E+00	-1.22E-02	0.00E+00
5.60E+01	5.03E+01	9.86E-01	-7.32E-03	0.00E+00
5.60E+01	5.09E+01	8.48E-01	-1.22E-02	0.00E+00
5.61E+01	5.09E+01	1.00E+00	-1.46E-02	0.00E+00
5.61E+01	5.14E+01	8.48E-01	-1.46E-02	0.00E+00
5.61E+01	5.16E+01	1.00E+00	9.77E-03	0.00E+00
5.61E+01	5.19E+01	9.25E-01	-1.95E-02	0.00E+00
5.61E+01	5.22E+01	9.09E-01	-2.20E-02	0.00E+00
5.62E+01	5.26E+01	1.00E+00	-1.59E-02	0.00E+00
5.62E+01	5.30E+01	1.17E+00	-2.08E-02	0.00E+00
5.62E+01	5.32E+01	9.25E-01	-1.34E-02	0.00E+00
5.62E+01	5.36E+01	1.18E+00	-2.32E-02	0.00E+00
5.62E+01	5.37E+01	1.06E+00	-2.93E-02	0.00E+00
5.63E+01	5.42E+01	1.09E+00	-1.95E-02	0.00E+00
5.63E+01	5.44E+01	1.06E+00	-1.10E-02	0.00E+00
5.63E+01	5.49E+01	9.55E-01	-1.95E-02	0.00E+00
5.63E+01	5.52E+01	9.70E-01	-1.83E-02	0.00E+00
5.63E+01	5.55E+01	9.86E-01	-1.46E-02	0.00E+00
5.64E+01	5.59E+01	9.55E-01	-1.71E-02	0.00E+00
5.64E+01	5.61E+01	9.25E-01	-6.10E-03	0.00E+00
5.64E+01	5.69E+01	9.70E-01	-2.69E-02	0.00E+00
5.64E+01	5.70E+01	9.09E-01	-6.10E-03	0.00E+00
5.64E+01	5.73E+01	8.02E-01	6.10E-03	0.00E+00
5.65E+01	5.78E+01	1.14E+00	-8.54E-03	0.00E+00
5.65E+01	5.81E+01	9.86E-01	-2.81E-02	0.00E+00
5.65E+01	5.85E+01	1.22E+00	-1.46E-02	0.00E+00
5.65E+01	5.89E+01	1.02E+00	-1.59E-02	0.00E+00
5.65E+01	5.91E+01	1.31E+00	-1.46E-02	0.00E+00
5.66E+01	5.95E+01	8.94E-01	-3.66E-02	0.00E+00
5.66E+01	6.00E+01	9.70E-01	2.44E-03	0.00E+00
5.66E+01	6.01E+01	1.06E+00	-7.32E-03	0.00E+00
5.66E+01	6.08E+01	1.06E+00	-2.20E-02	0.00E+00
5.66E+01	6.10E+01	9.86E-01	-9.77E-03	0.00E+00
5.67E+01	6.14E+01	1.00E+00	-1.83E-02	0.00E+00
5.67E+01	6.20E+01	1.25E+00	-1.22E-02	0.00E+00

5.67E+01	6.22E+01	7.56E-01	-2.44E-03	0.00E+00
5.67E+01	6.25E+01	1.05E+00	-2.69E-02	0.00E+00
5.67E+01	6.32E+01	1.03E+00	-1.46E-02	0.00E+00
5.68E+01	6.35E+01	9.86E-01	-9.77E-03	0.00E+00
5.68E+01	6.37E+01	8.79E-01	-1.22E-02	0.00E+00
5.68E+01	6.43E+01	1.00E+00	-2.08E-02	0.00E+00
5.68E+01	6.45E+01	1.18E+00	-9.77E-03	0.00E+00
5.68E+01	6.48E+01	9.70E-01	-2.08E-02	0.00E+00
5.69E+01	6.53E+01	9.55E-01	1.22E-03	0.00E+00
5.69E+01	6.55E+01	1.00E+00	0.00E+00	0.00E+00
5.69E+01	6.60E+01	1.12E+00	-4.88E-03	0.00E+00
5.69E+01	6.61E+01	9.70E-01	-2.56E-02	0.00E+00
5.69E+01	6.67E+01	1.14E+00	-2.32E-02	0.00E+00
5.70E+01	6.69E+01	7.10E-01	-1.10E-02	0.00E+00
5.70E+01	6.73E+01	1.12E+00	-2.20E-02	0.00E+00
5.70E+01	6.74E+01	1.03E+00	-3.66E-03	0.00E+00
5.70E+01	6.77E+01	9.70E-01	-1.83E-02	0.00E+00
5.70E+01	6.81E+01	1.18E+00	-6.10E-03	0.00E+00
5.71E+01	6.84E+01	9.70E-01	-2.44E-02	0.00E+00
5.71E+01	6.87E+01	9.09E-01	-9.77E-03	0.00E+00
5.71E+01	6.90E+01	6.95E-01	-1.46E-02	0.00E+00
5.71E+01	6.93E+01	9.70E-01	-2.69E-02	0.00E+00
5.71E+01	6.98E+01	1.25E+00	-3.05E-02	0.00E+00
5.72E+01	6.97E+01	1.06E+00	-1.95E-02	0.00E+00
5.72E+01	7.02E+01	1.20E+00	-2.32E-02	0.00E+00
5.72E+01	7.05E+01	8.48E-01	-1.71E-02	0.00E+00
5.72E+01	7.07E+01	1.43E+00	-2.32E-02	0.00E+00
5.72E+01	7.09E+01	9.70E-01	-1.10E-02	0.00E+00
5.73E+01	7.12E+01	1.00E+00	-2.56E-02	0.00E+00
5.73E+01	7.12E+01	1.15E+00	-2.56E-02	0.00E+00
5.73E+01	7.14E+01	8.63E-01	-2.44E-02	0.00E+00
5.73E+01	7.14E+01	1.00E+00	-1.22E-02	0.00E+00
5.73E+01	7.16E+01	1.03E+00	-2.20E-02	0.00E+00
5.74E+01	7.18E+01	9.09E-01	-1.46E-02	0.00E+00
5.74E+01	7.18E+01	9.40E-01	-1.46E-02	0.00E+00
5.74E+01	7.19E+01	1.03E+00	-2.20E-02	0.00E+00
5.74E+01	7.23E+01	1.25E+00	-1.46E-02	0.00E+00
5.74E+01	7.23E+01	1.02E+00	-2.20E-02	0.00E+00
5.75E+01	7.23E+01	1.08E+00	-2.44E-02	0.00E+00
5.75E+01	7.24E+01	9.55E-01	-2.69E-02	0.00E+00
5.75E+01	7.24E+01	9.40E-01	-7.32E-03	0.00E+00
5.75E+01	7.29E+01	9.09E-01	-2.44E-02	0.00E+00
5.75E+01	7.30E+01	9.86E-01	-1.95E-02	0.00E+00
5.76E+01	7.29E+01	8.02E-01	9.77E-03	0.00E+00
5.76E+01	7.28E+01	1.18E+00	-1.59E-02	0.00E+00
5.76E+01	7.30E+01	9.09E-01	-2.44E-03	0.00E+00
5.76E+01	7.30E+01	1.11E+00	7.32E-03	0.00E+00

5.76E+01	7.30E+01	1.14E+00	-1.46E-02	0.00E+00
5.77E+01	7.35E+01	9.70E-01	-1.71E-02	0.00E+00
5.77E+01	7.35E+01	9.09E-01	-9.77E-03	0.00E+00
5.77E+01	7.35E+01	1.09E+00	-2.32E-02	0.00E+00
5.77E+01	7.37E+01	1.06E+00	-9.77E-03	0.00E+00
5.77E+01	7.36E+01	9.40E-01	-2.93E-02	0.00E+00
5.78E+01	7.37E+01	1.06E+00	-2.44E-03	0.00E+00
5.78E+01	7.36E+01	1.31E+00	-1.22E-02	0.00E+00
5.78E+01	7.36E+01	1.03E+00	-2.69E-02	0.00E+00
5.78E+01	7.36E+01	1.11E+00	-9.77E-03	0.00E+00
5.78E+01	7.36E+01	8.79E-01	-2.08E-02	0.00E+00
5.79E+01	7.38E+01	1.23E+00	-1.71E-02	0.00E+00
5.79E+01	7.36E+01	1.00E+00	-4.39E-02	0.00E+00
5.79E+01	7.36E+01	8.79E-01	-2.08E-02	0.00E+00
5.79E+01	7.37E+01	9.70E-01	1.22E-03	0.00E+00
5.79E+01	7.38E+01	9.86E-01	-1.22E-02	0.00E+00
5.80E+01	7.38E+01	7.87E-01	-7.32E-03	0.00E+00
5.80E+01	7.37E+01	8.48E-01	-1.22E-02	0.00E+00
5.80E+01	7.38E+01	1.11E+00	-2.44E-02	0.00E+00
5.80E+01	7.37E+01	8.63E-01	-9.77E-03	0.00E+00
5.80E+01	7.39E+01	1.15E+00	-2.20E-02	0.00E+00
5.81E+01	7.38E+01	1.03E+00	-4.88E-03	0.00E+00
5.81E+01	7.39E+01	9.25E-01	-1.71E-02	0.00E+00
5.81E+01	7.41E+01	1.20E+00	-1.71E-02	0.00E+00
5.81E+01	7.40E+01	1.06E+00	-1.10E-02	0.00E+00
5.81E+01	7.41E+01	1.09E+00	-2.08E-02	0.00E+00
5.82E+01	7.41E+01	1.11E+00	-1.71E-02	0.00E+00
5.82E+01	7.39E+01	1.00E+00	-2.20E-02	0.00E+00
5.82E+01	7.39E+01	1.00E+00	4.88E-03	0.00E+00
5.82E+01	7.41E+01	1.00E+00	-1.22E-02	0.00E+00
5.82E+01	7.41E+01	1.22E+00	-1.46E-02	0.00E+00
5.83E+01	7.41E+01	1.00E+00	-1.34E-02	0.00E+00
5.83E+01	7.41E+01	1.06E+00	-1.71E-02	0.00E+00
5.83E+01	7.41E+01	1.06E+00	-6.10E-03	0.00E+00
5.83E+01	7.41E+01	8.79E-01	-4.27E-02	0.00E+00
5.83E+01	7.41E+01	1.18E+00	-2.93E-02	0.00E+00
5.84E+01	7.40E+01	9.70E-01	-1.46E-02	0.00E+00
5.84E+01	7.41E+01	1.06E+00	-2.44E-02	0.00E+00
5.84E+01	7.41E+01	8.63E-01	-1.22E-02	0.00E+00
5.84E+01	7.42E+01	7.87E-01	-1.71E-02	0.00E+00
5.84E+01	7.45E+01	9.40E-01	-1.59E-02	0.00E+00
5.85E+01	7.48E+01	9.09E-01	-3.17E-02	0.00E+00
5.85E+01	7.48E+01	1.03E+00	-4.15E-02	0.00E+00
5.85E+01	7.52E+01	9.70E-01	-4.88E-03	0.00E+00
5.85E+01	7.53E+01	9.09E-01	-2.81E-02	0.00E+00
5.85E+01	7.54E+01	8.18E-01	-6.10E-03	0.00E+00
5.86E+01	7.53E+01	1.05E+00	-2.20E-02	0.00E+00

5.86E+01	7.54E+01	1.06E+00	-1.95E-02	0.00E+00
5.86E+01	7.52E+01	9.09E-01	-7.32E-03	0.00E+00
5.86E+01	7.55E+01	8.94E-01	-1.71E-02	0.00E+00
5.86E+01	7.53E+01	1.03E+00	-1.71E-02	0.00E+00
5.87E+01	7.53E+01	8.94E-01	-9.77E-03	0.00E+00
5.87E+01	7.53E+01	1.00E+00	-6.10E-03	0.00E+00
5.87E+01	7.53E+01	9.40E-01	-2.44E-02	0.00E+00
5.87E+01	7.53E+01	1.12E+00	-2.20E-02	0.00E+00
5.87E+01	7.53E+01	9.40E-01	9.77E-03	0.00E+00
5.88E+01	7.54E+01	1.03E+00	-1.46E-02	0.00E+00
5.88E+01	7.54E+01	9.40E-01	-1.46E-02	0.00E+00
5.88E+01	7.54E+01	1.03E+00	-2.44E-02	0.00E+00
5.88E+01	7.53E+01	7.87E-01	-1.22E-02	0.00E+00
5.88E+01	7.54E+01	1.08E+00	-1.83E-02	0.00E+00
5.89E+01	7.52E+01	1.08E+00	-1.46E-02	0.00E+00
5.89E+01	7.53E+01	9.40E-01	-1.95E-02	0.00E+00
5.89E+01	7.52E+01	9.40E-01	-1.22E-02	0.00E+00
5.89E+01	7.53E+01	8.94E-01	-9.77E-03	0.00E+00
5.89E+01	7.53E+01	1.09E+00	-1.34E-02	0.00E+00
5.90E+01	7.53E+01	1.00E+00	-1.46E-02	0.00E+00
5.90E+01	7.53E+01	1.15E+00	-2.32E-02	0.00E+00
5.90E+01	7.53E+01	1.03E+00	-1.46E-02	0.00E+00
5.90E+01	7.53E+01	8.48E-01	-1.95E-02	0.00E+00
5.90E+01	7.55E+01	1.09E+00	-7.32E-03	0.00E+00
5.91E+01	7.53E+01	9.09E-01	-2.69E-02	0.00E+00
5.91E+01	7.54E+01	1.09E+00	-1.46E-02	0.00E+00
5.91E+01	7.51E+01	9.86E-01	-1.71E-02	0.00E+00
5.91E+01	7.54E+01	9.25E-01	-2.20E-02	0.00E+00
5.91E+01	7.53E+01	1.06E+00	-1.22E-02	0.00E+00
5.92E+01	7.53E+01	1.09E+00	-2.08E-02	0.00E+00
5.92E+01	7.53E+01	1.28E+00	-1.95E-02	0.00E+00
5.92E+01	7.52E+01	7.87E-01	-1.46E-02	0.00E+00
5.92E+01	7.55E+01	1.03E+00	2.44E-03	0.00E+00
5.92E+01	7.52E+01	9.86E-01	7.32E-03	0.00E+00
5.93E+01	7.53E+01	9.70E-01	-1.59E-02	0.00E+00
5.93E+01	7.53E+01	1.34E+00	-1.34E-02	0.00E+00
5.93E+01	7.52E+01	7.41E-01	-1.46E-02	0.00E+00
5.93E+01	7.54E+01	8.18E-01	-1.95E-02	0.00E+00
5.93E+01	7.52E+01	1.03E+00	-2.44E-03	0.00E+00
5.94E+01	7.52E+01	1.03E+00	-1.22E-02	0.00E+00
5.94E+01	7.52E+01	9.09E-01	-2.44E-03	0.00E+00
5.94E+01	7.52E+01	9.25E-01	-1.59E-02	0.00E+00
5.94E+01	7.54E+01	1.09E+00	-2.44E-03	0.00E+00
5.94E+01	7.54E+01	9.70E-01	-2.20E-02	0.00E+00
5.95E+01	7.53E+01	9.09E-01	-1.71E-02	0.00E+00
5.95E+01	7.53E+01	1.09E+00	-9.77E-03	0.00E+00
5.95E+01	7.54E+01	1.15E+00	-1.22E-03	0.00E+00

5.95E+01	7.54E+01	8.79E-01	-9.77E-03	0.00E+00
5.95E+01	7.54E+01	9.40E-01	-1.46E-02	0.00E+00
5.96E+01	7.53E+01	1.03E+00	-2.44E-03	0.00E+00
5.96E+01	7.54E+01	9.09E-01	-2.69E-02	0.00E+00
5.96E+01	7.54E+01	1.08E+00	-8.54E-03	0.00E+00
5.96E+01	7.53E+01	8.18E-01	-1.46E-02	0.00E+00
5.96E+01	7.54E+01	1.18E+00	-2.81E-02	0.00E+00
5.97E+01	7.53E+01	1.08E+00	-7.32E-03	0.00E+00
5.97E+01	7.54E+01	8.79E-01	3.66E-03	0.00E+00
5.97E+01	7.55E+01	1.06E+00	-9.77E-03	0.00E+00
5.97E+01	7.55E+01	8.63E-01	-3.17E-02	0.00E+00
5.97E+01	7.55E+01	1.12E+00	-1.10E-02	0.00E+00
5.98E+01	7.53E+01	1.35E+00	-1.46E-02	0.00E+00
5.98E+01	7.55E+01	1.06E+00	-2.44E-02	0.00E+00
5.98E+01	7.53E+01	9.09E-01	-8.54E-03	0.00E+00
5.98E+01	7.54E+01	1.31E+00	-2.56E-02	0.00E+00
5.98E+01	7.54E+01	9.09E-01	1.22E-02	0.00E+00
5.99E+01	7.54E+01	8.79E-01	-2.08E-02	0.00E+00
5.99E+01	7.55E+01	1.18E+00	-1.71E-02	0.00E+00
5.99E+01	7.53E+01	8.79E-01	-1.46E-02	0.00E+00
5.99E+01	7.54E+01	1.00E+00	-2.20E-02	0.00E+00
5.99E+01	7.54E+01	1.31E+00	-9.77E-03	0.00E+00
6.00E+01	7.54E+01	9.09E-01	-2.81E-02	0.00E+00
6.00E+01	7.54E+01	1.00E+00	-1.10E-02	0.00E+00
6.00E+01	7.53E+01	9.70E-01	-1.95E-02	0.00E+00
6.00E+01	7.54E+01	1.18E+00	6.10E-03	0.00E+00
6.00E+01	7.54E+01	1.02E+00	1.22E-03	0.00E+00
6.01E+01	7.54E+01	1.09E+00	-1.95E-02	0.00E+00
6.01E+01	7.54E+01	1.11E+00	-7.32E-03	0.00E+00
6.01E+01	7.55E+01	7.87E-01	-1.71E-02	0.00E+00
6.01E+01	7.54E+01	1.18E+00	-9.77E-03	0.00E+00
6.01E+01	7.56E+01	1.09E+00	-1.46E-02	0.00E+00
6.02E+01	7.55E+01	1.09E+00	0.00E+00	0.00E+00
6.02E+01	7.54E+01	1.06E+00	-1.95E-02	0.00E+00
6.02E+01	7.54E+01	1.02E+00	-2.20E-02	0.00E+00
6.02E+01	7.55E+01	1.06E+00	-1.22E-02	0.00E+00
6.02E+01	7.55E+01	7.56E-01	-2.44E-02	0.00E+00
6.03E+01	7.55E+01	1.15E+00	-4.88E-03	0.00E+00
6.03E+01	7.55E+01	1.00E+00	-1.22E-02	0.00E+00
6.03E+01	7.55E+01	9.09E-01	-2.44E-02	0.00E+00
6.03E+01	7.56E+01	9.70E-01	7.32E-03	0.00E+00
6.03E+01	7.55E+01	1.12E+00	0.00E+00	0.00E+00
6.04E+01	7.54E+01	1.09E+00	-4.88E-03	0.00E+00
6.04E+01	7.56E+01	9.70E-01	-2.93E-02	0.00E+00
6.04E+01	7.54E+01	1.15E+00	-2.44E-03	0.00E+00
6.04E+01	7.55E+01	8.79E-01	-2.20E-02	0.00E+00
6.04E+01	7.55E+01	1.09E+00	-1.95E-02	0.00E+00

6.05E+01	7.55E+01	1.22E+00	-3.54E-02	0.00E+00
6.05E+01	7.54E+01	1.17E+00	-1.71E-02	0.00E+00
6.05E+01	7.55E+01	1.00E+00	-4.88E-03	0.00E+00
6.05E+01	7.55E+01	9.86E-01	-1.46E-02	0.00E+00
6.05E+01	7.55E+01	1.09E+00	2.44E-03	0.00E+00
6.06E+01	7.56E+01	8.63E-01	-1.59E-02	0.00E+00
6.06E+01	7.55E+01	1.22E+00	-1.71E-02	0.00E+00
6.06E+01	7.55E+01	9.25E-01	-1.71E-02	0.00E+00
6.06E+01	7.56E+01	1.09E+00	-1.46E-02	0.00E+00
6.06E+01	7.55E+01	1.11E+00	-4.88E-03	0.00E+00
6.07E+01	7.55E+01	1.05E+00	-3.17E-02	0.00E+00
6.07E+01	7.56E+01	1.06E+00	-3.66E-03	0.00E+00
6.07E+01	7.55E+01	9.25E-01	-1.95E-02	0.00E+00
6.07E+01	7.55E+01	1.31E+00	-2.44E-02	0.00E+00
6.07E+01	7.55E+01	8.48E-01	-9.77E-03	0.00E+00
6.08E+01	7.56E+01	8.94E-01	-2.32E-02	0.00E+00
6.08E+01	7.55E+01	1.00E+00	-1.46E-02	0.00E+00
6.08E+01	7.55E+01	9.70E-01	-3.17E-02	0.00E+00
6.08E+01	7.55E+01	1.00E+00	-2.44E-02	0.00E+00
6.08E+01	7.54E+01	1.05E+00	-2.44E-03	0.00E+00
6.09E+01	7.56E+01	1.03E+00	-2.44E-02	0.00E+00
6.09E+01	7.56E+01	7.26E-01	-8.54E-03	0.00E+00
6.09E+01	7.55E+01	9.86E-01	-1.71E-02	0.00E+00
6.09E+01	7.56E+01	1.06E+00	-1.71E-02	0.00E+00
6.09E+01	7.55E+01	9.09E-01	-1.22E-02	0.00E+00
6.10E+01	7.57E+01	9.09E-01	-2.20E-02	0.00E+00
6.10E+01	7.56E+01	1.22E+00	-2.44E-02	0.00E+00
6.10E+01	7.55E+01	1.09E+00	-4.27E-02	0.00E+00
6.10E+01	7.57E+01	9.86E-01	-9.77E-03	0.00E+00
6.10E+01	7.56E+01	9.70E-01	-1.95E-02	0.00E+00
6.11E+01	7.56E+01	1.28E+00	-3.42E-02	0.00E+00
6.11E+01	7.55E+01	1.09E+00	-1.22E-02	0.00E+00
6.11E+01	7.56E+01	1.09E+00	-1.95E-02	0.00E+00
6.11E+01	7.56E+01	1.20E+00	-2.32E-02	0.00E+00
6.11E+01	7.55E+01	9.25E-01	-1.22E-02	0.00E+00
6.12E+01	7.55E+01	1.15E+00	-1.34E-02	0.00E+00
6.12E+01	7.55E+01	1.09E+00	-1.95E-02	0.00E+00
6.12E+01	7.56E+01	1.20E+00	-1.71E-02	0.00E+00
6.12E+01	7.55E+01	9.70E-01	-1.22E-02	0.00E+00
6.12E+01	7.56E+01	1.02E+00	-1.95E-02	0.00E+00
6.13E+01	7.56E+01	1.03E+00	-3.42E-02	0.00E+00
6.13E+01	7.56E+01	9.09E-01	8.54E-03	0.00E+00
6.13E+01	7.57E+01	9.70E-01	-1.71E-02	0.00E+00
6.13E+01	7.56E+01	9.55E-01	-2.20E-02	0.00E+00
6.13E+01	7.56E+01	1.18E+00	-1.83E-02	0.00E+00
6.14E+01	7.56E+01	1.06E+00	-2.44E-02	0.00E+00
6.14E+01	7.55E+01	8.94E-01	-9.77E-03	0.00E+00

6.14E+01	7.56E+01	8.18E-01	-1.46E-02	0.00E+00
6.14E+01	7.56E+01	1.00E+00	-4.88E-03	0.00E+00
6.14E+01	7.56E+01	9.40E-01	-1.71E-02	0.00E+00
6.15E+01	7.56E+01	1.15E+00	-3.42E-02	0.00E+00
6.15E+01	7.56E+01	1.06E+00	-2.20E-02	0.00E+00
6.15E+01	7.56E+01	8.48E-01	-2.93E-02	0.00E+00
6.15E+01	7.56E+01	9.86E-01	-1.46E-02	0.00E+00
6.15E+01	7.55E+01	8.94E-01	-1.10E-02	0.00E+00
6.16E+01	7.56E+01	1.06E+00	-2.20E-02	0.00E+00
6.16E+01	7.55E+01	1.22E+00	-9.77E-03	0.00E+00
6.16E+01	7.56E+01	8.18E-01	-1.71E-02	0.00E+00
6.16E+01	7.56E+01	1.12E+00	-2.81E-02	0.00E+00
6.16E+01	7.56E+01	9.70E-01	-9.77E-03	0.00E+00
6.17E+01	7.56E+01	1.00E+00	-2.44E-02	0.00E+00
6.17E+01	7.55E+01	8.18E-01	-1.34E-02	0.00E+00
6.17E+01	7.56E+01	8.63E-01	-2.20E-02	0.00E+00
6.17E+01	7.56E+01	1.00E+00	-8.54E-03	0.00E+00
6.17E+01	7.56E+01	9.70E-01	-5.62E-02	0.00E+00
6.18E+01	7.56E+01	1.11E+00	-1.95E-02	0.00E+00
6.18E+01	7.57E+01	1.00E+00	-2.81E-02	0.00E+00
6.18E+01	7.56E+01	9.55E-01	-2.20E-02	0.00E+00
6.18E+01	7.56E+01	7.72E-01	-6.10E-03	0.00E+00
6.18E+01	7.56E+01	1.11E+00	-2.20E-02	0.00E+00
6.19E+01	7.57E+01	9.70E-01	-1.46E-02	0.00E+00
6.19E+01	7.56E+01	9.40E-01	-1.46E-02	0.00E+00
6.19E+01	7.56E+01	1.28E+00	-1.95E-02	0.00E+00
6.19E+01	7.57E+01	9.40E-01	-1.22E-02	0.00E+00
6.19E+01	7.56E+01	9.25E-01	-1.22E-02	0.00E+00
6.20E+01	7.56E+01	1.06E+00	-7.32E-03	0.00E+00
6.20E+01	7.57E+01	1.06E+00	-1.59E-02	0.00E+00
6.20E+01	7.57E+01	1.15E+00	-1.22E-02	0.00E+00
6.20E+01	7.57E+01	9.09E-01	-2.20E-02	0.00E+00
6.20E+01	7.58E+01	1.09E+00	-7.32E-03	0.00E+00
6.21E+01	7.55E+01	8.79E-01	-1.59E-02	0.00E+00
6.21E+01	7.57E+01	9.25E-01	2.44E-03	0.00E+00
6.21E+01	7.59E+01	1.09E+00	-1.22E-02	0.00E+00
6.21E+01	7.56E+01	9.70E-01	-1.22E-02	0.00E+00
6.21E+01	7.57E+01	1.14E+00	-4.88E-03	0.00E+00
6.22E+01	7.57E+01	8.18E-01	-1.71E-02	0.00E+00
6.22E+01	7.59E+01	1.18E+00	-2.44E-02	0.00E+00
6.22E+01	7.57E+01	9.40E-01	-1.71E-02	0.00E+00
6.22E+01	7.58E+01	9.70E-01	-2.08E-02	0.00E+00
6.22E+01	7.58E+01	9.40E-01	1.46E-02	0.00E+00
6.23E+01	7.59E+01	9.09E-01	-2.69E-02	0.00E+00
6.23E+01	7.58E+01	1.15E+00	-2.93E-02	0.00E+00
6.23E+01	7.57E+01	1.02E+00	0.00E+00	0.00E+00
6.23E+01	7.58E+01	8.63E-01	-3.30E-02	0.00E+00

6.23E+01	7.57E+01	1.18E+00	-7.32E-03	0.00E+00
6.24E+01	7.58E+01	1.06E+00	-2.32E-02	0.00E+00
6.24E+01	7.58E+01	1.06E+00	-1.95E-02	0.00E+00
6.24E+01	7.57E+01	9.09E-01	-1.22E-02	0.00E+00
6.24E+01	7.59E+01	1.09E+00	-2.93E-02	0.00E+00
6.24E+01	7.57E+01	1.06E+00	-1.46E-02	0.00E+00
6.25E+01	7.59E+01	1.02E+00	-1.22E-02	0.00E+00
6.25E+01	7.58E+01	1.09E+00	-1.83E-02	0.00E+00
6.25E+01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
6.25E+01	7.59E+01	8.18E-01	-1.46E-02	0.00E+00
6.25E+01	7.57E+01	8.79E-01	-7.32E-03	0.00E+00
6.26E+01	7.58E+01	1.15E+00	-2.44E-02	0.00E+00
6.26E+01	7.58E+01	1.12E+00	-1.59E-02	0.00E+00
6.26E+01	7.59E+01	8.48E-01	-1.95E-02	0.00E+00
6.26E+01	7.58E+01	1.17E+00	-2.44E-02	0.00E+00
6.26E+01	7.57E+01	7.56E-01	-2.69E-02	0.00E+00
6.27E+01	7.58E+01	1.00E+00	-2.56E-02	0.00E+00
6.27E+01	7.58E+01	1.09E+00	-9.77E-03	0.00E+00
6.27E+01	7.58E+01	7.56E-01	-1.71E-02	0.00E+00
6.27E+01	7.58E+01	1.00E+00	-1.10E-02	0.00E+00
6.27E+01	7.58E+01	9.40E-01	-1.83E-02	0.00E+00
6.28E+01	7.59E+01	1.12E+00	-2.81E-02	0.00E+00
6.28E+01	7.56E+01	9.55E-01	-1.22E-02	0.00E+00
6.28E+01	7.59E+01	1.03E+00	-4.39E-02	0.00E+00
6.28E+01	7.58E+01	9.86E-01	-9.77E-03	0.00E+00
6.28E+01	7.57E+01	9.70E-01	-1.46E-02	0.00E+00
6.29E+01	7.59E+01	7.87E-01	-1.95E-02	0.00E+00
6.29E+01	7.58E+01	7.56E-01	-1.22E-02	0.00E+00
6.29E+01	7.58E+01	1.05E+00	-1.95E-02	0.00E+00
6.29E+01	7.59E+01	1.08E+00	2.44E-03	0.00E+00
6.29E+01	7.59E+01	9.70E-01	-7.32E-03	0.00E+00
6.30E+01	7.58E+01	1.09E+00	-3.54E-02	0.00E+00
6.30E+01	7.59E+01	1.09E+00	-2.44E-02	0.00E+00
6.30E+01	7.58E+01	1.22E+00	-1.34E-02	0.00E+00
6.30E+01	7.58E+01	1.05E+00	-1.83E-02	0.00E+00
6.30E+01	7.58E+01	1.08E+00	-9.77E-03	0.00E+00
6.31E+01	7.58E+01	8.18E-01	-1.83E-02	0.00E+00
6.31E+01	7.58E+01	1.03E+00	-1.22E-02	0.00E+00
6.31E+01	7.58E+01	9.09E-01	-2.20E-02	0.00E+00
6.31E+01	7.59E+01	1.00E+00	-9.77E-03	0.00E+00
6.31E+01	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
6.32E+01	7.58E+01	1.03E+00	-8.54E-03	0.00E+00
6.32E+01	7.58E+01	1.18E+00	-1.59E-02	0.00E+00
6.32E+01	7.58E+01	1.06E+00	-1.95E-02	0.00E+00
6.32E+01	7.57E+01	1.12E+00	-9.77E-03	0.00E+00
6.32E+01	7.59E+01	9.70E-01	-1.95E-02	0.00E+00
6.33E+01	7.58E+01	1.12E+00	1.22E-02	0.00E+00

6.33E+01	7.59E+01	8.18E-01	-2.20E-02	0.00E+00
6.33E+01	7.58E+01	1.15E+00	-2.08E-02	0.00E+00
6.33E+01	7.58E+01	9.55E-01	-2.44E-02	0.00E+00
6.33E+01	7.58E+01	8.48E-01	-2.20E-02	0.00E+00
6.34E+01	7.58E+01	9.86E-01	-9.77E-03	0.00E+00
6.34E+01	7.58E+01	1.15E+00	-2.69E-02	0.00E+00
6.34E+01	7.58E+01	1.12E+00	-1.22E-02	0.00E+00
6.34E+01	7.56E+01	9.09E-01	-1.59E-02	0.00E+00
6.34E+01	7.58E+01	1.03E+00	-1.95E-02	0.00E+00
6.35E+01	7.57E+01	1.06E+00	-2.44E-02	0.00E+00
6.35E+01	7.58E+01	1.00E+00	-9.77E-03	0.00E+00
6.35E+01	7.59E+01	1.12E+00	-2.44E-02	0.00E+00
6.35E+01	7.57E+01	1.17E+00	-1.22E-02	0.00E+00
6.35E+01	7.59E+01	1.05E+00	-1.71E-02	0.00E+00
6.36E+01	7.58E+01	1.09E+00	-1.59E-02	0.00E+00
6.36E+01	7.58E+01	9.70E-01	-4.27E-02	0.00E+00
6.36E+01	7.60E+01	1.09E+00	0.00E+00	0.00E+00
6.36E+01	7.58E+01	9.55E-01	-3.91E-02	0.00E+00
6.36E+01	7.59E+01	1.00E+00	-2.69E-02	0.00E+00
6.37E+01	7.58E+01	1.03E+00	-3.66E-03	0.00E+00
6.37E+01	7.58E+01	9.09E-01	-2.32E-02	0.00E+00
6.37E+01	7.58E+01	1.25E+00	-9.77E-03	0.00E+00
6.37E+01	7.58E+01	1.00E+00	-1.34E-02	0.00E+00
6.37E+01	7.59E+01	1.22E+00	-3.66E-02	0.00E+00
6.38E+01	7.59E+01	8.94E-01	-1.71E-02	0.00E+00
6.38E+01	7.57E+01	1.06E+00	-2.69E-02	0.00E+00
6.38E+01	7.58E+01	1.08E+00	-7.32E-03	0.00E+00
6.38E+01	7.57E+01	9.09E-01	-1.71E-02	0.00E+00
6.38E+01	7.59E+01	1.12E+00	-1.46E-02	0.00E+00
6.39E+01	7.58E+01	9.40E-01	-7.32E-03	0.00E+00
6.39E+01	7.58E+01	9.55E-01	-2.20E-02	0.00E+00
6.39E+01	7.58E+01	1.06E+00	-9.77E-03	0.00E+00
6.39E+01	7.58E+01	9.40E-01	-2.32E-02	0.00E+00
6.39E+01	7.59E+01	9.55E-01	-1.71E-02	0.00E+00
6.40E+01	7.57E+01	1.02E+00	-6.10E-03	0.00E+00
6.40E+01	7.59E+01	9.86E-01	-3.66E-02	0.00E+00
6.40E+01	7.58E+01	1.43E+00	-1.22E-02	0.00E+00
6.40E+01	7.58E+01	9.40E-01	-1.22E-02	0.00E+00
6.40E+01	7.58E+01	1.18E+00	-2.20E-02	0.00E+00
6.41E+01	7.58E+01	1.23E+00	-3.30E-02	0.00E+00
6.41E+01	7.58E+01	8.48E-01	3.66E-03	0.00E+00
6.41E+01	7.58E+01	1.22E+00	-3.42E-02	0.00E+00
6.41E+01	7.57E+01	9.70E-01	-1.46E-02	0.00E+00
6.41E+01	7.59E+01	1.14E+00	-1.46E-02	0.00E+00
6.42E+01	7.58E+01	8.79E-01	-1.71E-02	0.00E+00
6.42E+01	7.58E+01	8.48E-01	-2.32E-02	0.00E+00
6.42E+01	7.58E+01	1.03E+00	-1.22E-02	0.00E+00

6.42E+01	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
6.42E+01	7.58E+01	1.05E+00	-1.83E-02	0.00E+00
6.43E+01	7.59E+01	1.03E+00	-8.54E-03	0.00E+00
6.43E+01	7.57E+01	8.79E-01	-3.17E-02	0.00E+00
6.43E+01	7.58E+01	1.29E+00	-8.54E-03	0.00E+00
6.43E+01	7.58E+01	1.03E+00	-1.22E-02	0.00E+00
6.43E+01	7.58E+01	1.15E+00	-1.95E-02	0.00E+00
6.44E+01	7.58E+01	1.06E+00	-1.10E-02	0.00E+00
6.44E+01	7.58E+01	7.87E-01	-1.83E-02	0.00E+00
6.44E+01	7.59E+01	9.86E-01	-1.22E-02	0.00E+00
6.44E+01	7.57E+01	1.11E+00	-9.77E-03	0.00E+00
6.44E+01	7.58E+01	1.00E+00	-3.05E-02	0.00E+00
6.45E+01	7.58E+01	9.86E-01	-1.22E-02	0.00E+00
6.45E+01	7.57E+01	8.79E-01	-7.32E-03	0.00E+00
6.45E+01	7.59E+01	8.18E-01	-1.83E-02	0.00E+00
6.45E+01	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
6.45E+01	7.58E+01	9.86E-01	-1.46E-02	0.00E+00
6.46E+01	7.58E+01	1.14E+00	-2.69E-02	0.00E+00
6.46E+01	7.57E+01	1.15E+00	-6.10E-03	0.00E+00
6.46E+01	7.59E+01	1.00E+00	-2.44E-03	0.00E+00
6.46E+01	7.58E+01	9.70E-01	-2.32E-02	0.00E+00
6.46E+01	7.57E+01	1.00E+00	-1.95E-02	0.00E+00
6.47E+01	7.59E+01	1.11E+00	-9.77E-03	0.00E+00
6.47E+01	7.57E+01	1.23E+00	-1.46E-02	0.00E+00
6.47E+01	7.58E+01	8.79E-01	-1.22E-02	0.00E+00
6.47E+01	7.59E+01	9.70E-01	-2.44E-02	0.00E+00
6.47E+01	7.58E+01	1.06E+00	-7.32E-03	0.00E+00
6.48E+01	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
6.48E+01	7.59E+01	1.15E+00	-1.71E-02	0.00E+00
6.48E+01	7.59E+01	1.02E+00	-2.20E-02	0.00E+00
6.48E+01	7.59E+01	1.00E+00	-1.95E-02	0.00E+00
6.48E+01	7.58E+01	1.12E+00	-7.32E-03	0.00E+00
6.49E+01	7.57E+01	8.79E-01	-1.46E-02	0.00E+00
6.49E+01	7.58E+01	1.17E+00	-2.93E-02	0.00E+00
6.49E+01	7.57E+01	7.26E-01	-6.10E-03	0.00E+00
6.49E+01	7.58E+01	9.40E-01	-1.95E-02	0.00E+00
6.49E+01	7.58E+01	1.00E+00	4.88E-03	0.00E+00
6.50E+01	7.56E+01	9.70E-01	-1.71E-02	0.00E+00
6.50E+01	7.58E+01	9.55E-01	-1.95E-02	0.00E+00
6.50E+01	7.58E+01	1.08E+00	-2.20E-02	0.00E+00
6.50E+01	7.58E+01	7.56E-01	-1.95E-02	0.00E+00
6.50E+01	7.58E+01	1.05E+00	-1.10E-02	0.00E+00
6.51E+01	7.58E+01	1.02E+00	-1.71E-02	0.00E+00
6.51E+01	7.58E+01	8.79E-01	-2.08E-02	0.00E+00
6.51E+01	7.56E+01	1.18E+00	-2.20E-02	0.00E+00
6.51E+01	7.58E+01	9.70E-01	-3.42E-02	0.00E+00
6.51E+01	7.58E+01	9.55E-01	-1.46E-02	0.00E+00

6.52E+01	7.58E+01	1.09E+00	-1.46E-02	0.00E+00
6.52E+01	7.58E+01	8.94E-01	-3.05E-02	0.00E+00
6.52E+01	7.59E+01	1.06E+00	-1.46E-02	0.00E+00
6.52E+01	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
6.52E+01	7.58E+01	1.09E+00	-2.20E-02	0.00E+00
6.53E+01	7.57E+01	9.55E-01	-1.10E-02	0.00E+00
6.53E+01	7.58E+01	9.09E-01	-2.44E-03	0.00E+00
6.53E+01	7.57E+01	1.18E+00	-9.77E-03	0.00E+00
6.53E+01	7.58E+01	9.70E-01	-3.42E-02	0.00E+00
6.53E+01	7.59E+01	9.86E-01	-2.93E-02	0.00E+00
6.54E+01	7.58E+01	1.06E+00	-1.34E-02	0.00E+00
6.54E+01	7.58E+01	1.28E+00	-2.32E-02	0.00E+00
6.54E+01	7.59E+01	1.06E+00	-1.71E-02	0.00E+00
6.54E+01	7.57E+01	9.70E-01	-1.46E-02	0.00E+00
6.54E+01	7.58E+01	1.09E+00	-1.95E-02	0.00E+00
6.55E+01	7.57E+01	1.12E+00	-1.22E-02	0.00E+00
6.55E+01	7.57E+01	9.55E-01	-4.88E-02	0.00E+00
6.55E+01	7.58E+01	1.14E+00	-2.20E-02	0.00E+00
6.55E+01	7.56E+01	9.40E-01	0.00E+00	0.00E+00
6.55E+01	7.58E+01	1.06E+00	-2.20E-02	0.00E+00
6.56E+01	7.58E+01	1.03E+00	-1.22E-02	0.00E+00
6.56E+01	7.58E+01	1.17E+00	-2.20E-02	0.00E+00
6.56E+01	7.59E+01	1.03E+00	-2.32E-02	0.00E+00
6.56E+01	7.57E+01	1.00E+00	-6.10E-03	0.00E+00
6.56E+01	7.59E+01	1.18E+00	-3.17E-02	0.00E+00
6.57E+01	7.57E+01	1.03E+00	-1.22E-02	0.00E+00
6.57E+01	7.58E+01	1.06E+00	-1.95E-02	0.00E+00
6.57E+01	7.59E+01	1.00E+00	-3.30E-02	0.00E+00
6.57E+01	7.57E+01	1.12E+00	-4.88E-03	0.00E+00
6.57E+01	7.58E+01	1.00E+00	-1.10E-02	0.00E+00
6.58E+01	7.58E+01	1.22E+00	-2.69E-02	0.00E+00
6.58E+01	7.58E+01	1.22E+00	-8.54E-03	0.00E+00
6.58E+01	7.58E+01	7.87E-01	-2.20E-02	0.00E+00
6.58E+01	7.59E+01	1.03E+00	-2.08E-02	0.00E+00
6.58E+01	7.57E+01	1.09E+00	-3.42E-02	0.00E+00
6.59E+01	7.57E+01	8.33E-01	-1.71E-02	0.00E+00
6.59E+01	7.59E+01	1.03E+00	-2.20E-02	0.00E+00
6.59E+01	7.59E+01	1.08E+00	-6.10E-03	0.00E+00
6.59E+01	7.57E+01	1.20E+00	-1.34E-02	0.00E+00
6.59E+01	7.59E+01	1.09E+00	-1.71E-02	0.00E+00
6.60E+01	7.58E+01	1.06E+00	-1.22E-02	0.00E+00
6.60E+01	7.58E+01	5.73E-01	-1.46E-02	0.00E+00
6.60E+01	7.59E+01	1.03E+00	-2.08E-02	0.00E+00
6.60E+01	7.57E+01	1.11E+00	-1.22E-02	0.00E+00
6.60E+01	7.56E+01	1.03E+00	-1.83E-02	0.00E+00
6.61E+01	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
6.61E+01	7.57E+01	9.70E-01	-1.34E-02	0.00E+00

6.61E+01	7.59E+01	7.56E-01	-2.08E-02	0.00E+00
6.61E+01	7.57E+01	8.94E-01	-4.88E-03	0.00E+00
6.61E+01	7.58E+01	1.18E+00	-9.77E-03	0.00E+00
6.62E+01	7.59E+01	1.18E+00	-2.44E-02	0.00E+00
6.62E+01	7.58E+01	1.00E+00	9.77E-03	0.00E+00
6.62E+01	7.57E+01	9.70E-01	-1.71E-02	0.00E+00
6.62E+01	7.58E+01	1.03E+00	-1.95E-02	0.00E+00
6.62E+01	7.58E+01	1.22E+00	1.22E-02	0.00E+00
6.63E+01	7.58E+01	8.79E-01	-2.08E-02	0.00E+00
6.63E+01	7.58E+01	1.00E+00	-1.71E-02	0.00E+00
6.63E+01	7.58E+01	8.79E-01	-1.59E-02	0.00E+00
6.63E+01	7.59E+01	1.09E+00	-2.69E-02	0.00E+00
6.63E+01	7.58E+01	7.87E-01	-1.22E-02	0.00E+00
6.64E+01	7.58E+01	1.09E+00	-1.34E-02	0.00E+00
6.64E+01	7.57E+01	1.09E+00	-4.39E-02	0.00E+00
6.64E+01	7.57E+01	1.03E+00	-4.88E-03	0.00E+00
6.64E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
6.64E+01	7.58E+01	9.70E-01	-2.44E-03	0.00E+00
6.65E+01	7.58E+01	1.02E+00	-1.83E-02	0.00E+00
6.65E+01	7.59E+01	8.48E-01	-1.95E-02	0.00E+00
6.65E+01	7.58E+01	1.12E+00	-1.46E-02	0.00E+00
6.65E+01	7.58E+01	9.40E-01	-1.22E-02	0.00E+00
6.65E+01	7.59E+01	1.11E+00	-2.20E-02	0.00E+00
6.66E+01	7.57E+01	9.09E-01	-3.30E-02	0.00E+00
6.66E+01	7.57E+01	9.70E-01	-3.05E-02	0.00E+00
6.66E+01	7.59E+01	1.06E+00	-2.32E-02	0.00E+00
6.66E+01	7.57E+01	8.79E-01	-1.71E-02	0.00E+00
6.66E+01	7.59E+01	1.06E+00	-9.77E-03	0.00E+00
6.67E+01	7.58E+01	1.12E+00	-1.22E-02	0.00E+00
6.67E+01	7.58E+01	8.02E-01	-2.20E-02	0.00E+00
6.67E+01	7.58E+01	1.22E+00	-4.88E-03	0.00E+00
6.67E+01	7.57E+01	9.70E-01	-3.66E-02	0.00E+00
6.67E+01	7.58E+01	1.06E+00	-2.44E-02	0.00E+00
6.68E+01	7.58E+01	1.08E+00	-1.71E-02	0.00E+00
6.68E+01	7.59E+01	1.00E+00	-3.17E-02	0.00E+00
6.68E+01	7.57E+01	1.06E+00	-7.32E-03	0.00E+00
6.68E+01	7.57E+01	1.06E+00	-2.44E-02	0.00E+00
6.68E+01	7.59E+01	9.55E-01	-1.34E-02	0.00E+00
6.69E+01	7.57E+01	1.00E+00	-1.46E-02	0.00E+00
6.69E+01	7.60E+01	1.02E+00	-2.20E-02	0.00E+00
6.69E+01	7.58E+01	1.06E+00	-9.77E-03	0.00E+00
6.69E+01	7.59E+01	9.40E-01	-1.95E-02	0.00E+00
6.69E+01	7.57E+01	1.15E+00	-2.56E-02	0.00E+00
6.70E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
6.70E+01	7.59E+01	1.06E+00	-1.46E-02	0.00E+00
6.70E+01	7.58E+01	8.48E-01	-1.59E-02	0.00E+00
6.70E+01	7.59E+01	7.87E-01	-2.20E-02	0.00E+00

6.70E+01	7.58E+01	1.09E+00	-1.22E-02	0.00E+00
6.71E+01	7.58E+01	8.02E-01	-2.81E-02	0.00E+00
6.71E+01	7.60E+01	1.09E+00	-1.46E-02	0.00E+00
6.71E+01	7.58E+01	9.25E-01	-1.71E-02	0.00E+00
6.71E+01	7.58E+01	1.08E+00	-7.32E-03	0.00E+00
6.71E+01	7.57E+01	1.28E+00	-2.44E-03	0.00E+00
6.72E+01	7.59E+01	1.08E+00	-2.32E-02	0.00E+00
6.72E+01	7.58E+01	1.31E+00	-1.83E-02	0.00E+00
6.72E+01	7.58E+01	1.05E+00	-2.08E-02	0.00E+00
6.72E+01	7.59E+01	1.15E+00	-1.83E-02	0.00E+00
6.72E+01	7.58E+01	1.18E+00	-1.71E-02	0.00E+00
6.73E+01	7.58E+01	1.00E+00	-6.10E-03	0.00E+00
6.73E+01	7.58E+01	1.06E+00	-9.77E-03	0.00E+00
6.73E+01	7.59E+01	9.09E-01	-1.34E-02	0.00E+00
6.73E+01	7.59E+01	1.12E+00	9.77E-03	0.00E+00
6.73E+01	7.58E+01	1.06E+00	-1.59E-02	0.00E+00
6.74E+01	7.59E+01	1.03E+00	-2.20E-02	0.00E+00
6.74E+01	7.58E+01	8.48E-01	-9.77E-03	0.00E+00
6.74E+01	7.58E+01	7.56E-01	-1.46E-02	0.00E+00
6.74E+01	7.58E+01	1.09E+00	-1.22E-02	0.00E+00
6.74E+01	7.57E+01	9.55E-01	-3.17E-02	0.00E+00
6.75E+01	7.58E+01	1.20E+00	-1.46E-02	0.00E+00
6.75E+01	7.58E+01	8.94E-01	-1.22E-03	0.00E+00
6.75E+01	7.60E+01	9.86E-01	-1.95E-02	0.00E+00
6.75E+01	7.58E+01	1.09E+00	-2.44E-03	0.00E+00
6.75E+01	7.58E+01	9.40E-01	-1.46E-02	0.00E+00
6.76E+01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
6.76E+01	7.58E+01	8.48E-01	-1.22E-02	0.00E+00
6.76E+01	7.59E+01	1.08E+00	-2.44E-02	0.00E+00
6.76E+01	7.58E+01	1.09E+00	-9.77E-03	0.00E+00
6.76E+01	7.58E+01	9.40E-01	-2.69E-02	0.00E+00
6.77E+01	7.57E+01	1.06E+00	-2.44E-02	0.00E+00
6.77E+01	7.58E+01	1.00E+00	-2.44E-03	0.00E+00
6.77E+01	7.58E+01	1.05E+00	-9.77E-03	0.00E+00
6.77E+01	7.57E+01	1.32E+00	-9.77E-03	0.00E+00
6.77E+01	7.58E+01	1.03E+00	-2.20E-02	0.00E+00
6.78E+01	7.59E+01	9.09E-01	-1.10E-02	0.00E+00
6.78E+01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
6.78E+01	7.59E+01	1.09E+00	-1.95E-02	0.00E+00
6.78E+01	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
6.78E+01	7.59E+01	1.00E+00	-1.22E-02	0.00E+00
6.79E+01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
6.79E+01	7.57E+01	9.70E-01	-1.83E-02	0.00E+00
6.79E+01	7.59E+01	1.02E+00	-9.77E-03	0.00E+00
6.79E+01	7.57E+01	9.25E-01	-1.22E-02	0.00E+00
6.79E+01	7.58E+01	8.18E-01	-1.95E-02	0.00E+00
6.80E+01	7.58E+01	1.00E+00	-1.22E-02	0.00E+00

6.80E+01	7.57E+01	1.00E+00	-1.95E-02	0.00E+00
6.80E+01	7.59E+01	1.12E+00	-1.95E-02	0.00E+00
6.80E+01	7.59E+01	1.15E+00	-1.34E-02	0.00E+00
6.80E+01	7.58E+01	8.18E-01	-1.46E-02	0.00E+00
6.81E+01	7.59E+01	1.09E+00	-2.20E-02	0.00E+00
6.81E+01	7.57E+01	1.03E+00	-7.32E-03	0.00E+00
6.81E+01	7.58E+01	9.40E-01	-3.05E-02	0.00E+00
6.81E+01	7.58E+01	7.72E-01	-2.44E-03	0.00E+00
6.81E+01	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
6.82E+01	7.58E+01	7.87E-01	-1.71E-02	0.00E+00
6.82E+01	7.57E+01	8.18E-01	-1.22E-02	0.00E+00
6.82E+01	7.59E+01	1.06E+00	-1.46E-02	0.00E+00
6.82E+01	7.57E+01	9.86E-01	-1.10E-02	0.00E+00
6.82E+01	7.59E+01	1.03E+00	-2.44E-02	0.00E+00
6.83E+01	7.58E+01	1.09E+00	-1.10E-02	0.00E+00
6.83E+01	7.58E+01	9.40E-01	-1.95E-02	0.00E+00
6.83E+01	7.59E+01	1.02E+00	-2.56E-02	0.00E+00
6.83E+01	7.58E+01	1.00E+00	-9.77E-03	0.00E+00
6.83E+01	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
6.84E+01	7.59E+01	1.28E+00	-1.71E-02	0.00E+00
6.84E+01	7.58E+01	1.03E+00	-9.77E-03	0.00E+00
6.84E+01	7.57E+01	9.09E-01	-9.77E-03	0.00E+00
6.84E+01	7.59E+01	1.25E+00	-1.22E-02	0.00E+00
6.84E+01	7.58E+01	9.40E-01	-1.34E-02	0.00E+00
6.85E+01	7.58E+01	1.03E+00	-8.54E-03	0.00E+00
6.85E+01	7.58E+01	1.03E+00	-4.88E-03	0.00E+00
6.85E+01	7.58E+01	8.79E-01	-1.46E-02	0.00E+00
6.85E+01	7.59E+01	1.06E+00	-2.44E-02	0.00E+00
6.85E+01	7.58E+01	1.15E+00	-1.22E-02	0.00E+00
6.86E+01	7.58E+01	9.09E-01	-2.81E-02	0.00E+00
6.86E+01	7.58E+01	1.17E+00	-2.44E-03	0.00E+00
6.86E+01	7.56E+01	9.70E-01	-2.44E-02	0.00E+00
6.86E+01	7.57E+01	9.40E-01	-1.22E-02	0.00E+00
6.86E+01	7.59E+01	1.12E+00	-7.32E-03	0.00E+00
6.87E+01	7.57E+01	8.33E-01	-3.17E-02	0.00E+00
6.87E+01	7.59E+01	1.31E+00	-2.44E-02	0.00E+00
6.87E+01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
6.87E+01	7.58E+01	1.08E+00	-3.17E-02	0.00E+00
6.87E+01	7.58E+01	9.25E-01	-1.22E-02	0.00E+00
6.88E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
6.88E+01	7.59E+01	9.70E-01	-2.44E-02	0.00E+00
6.88E+01	7.59E+01	9.55E-01	1.22E-02	0.00E+00
6.88E+01	7.58E+01	1.06E+00	-1.83E-02	0.00E+00
6.88E+01	7.57E+01	1.00E+00	-1.83E-02	0.00E+00
6.89E+01	7.58E+01	1.12E+00	-1.34E-02	0.00E+00
6.89E+01	7.60E+01	7.26E-01	-2.20E-02	0.00E+00
6.89E+01	7.58E+01	1.11E+00	-1.46E-02	0.00E+00

6.89E+01	7.58E+01	7.26E-01	-1.59E-02	0.00E+00
6.89E+01	7.59E+01	1.25E+00	-1.95E-02	0.00E+00
6.90E+01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
6.90E+01	7.58E+01	1.09E+00	-2.44E-02	0.00E+00
6.90E+01	7.57E+01	1.12E+00	1.22E-03	0.00E+00
6.90E+01	7.57E+01	1.03E+00	-1.22E-02	0.00E+00
6.90E+01	7.60E+01	1.03E+00	-3.66E-02	0.00E+00
6.91E+01	7.59E+01	1.03E+00	-1.59E-02	0.00E+00
6.91E+01	7.58E+01	9.40E-01	-1.95E-02	0.00E+00
6.91E+01	7.59E+01	1.12E+00	-2.69E-02	0.00E+00
6.91E+01	7.58E+01	1.11E+00	-1.22E-02	0.00E+00
6.91E+01	7.58E+01	1.25E+00	-1.22E-02	0.00E+00
6.92E+01	7.58E+01	9.40E-01	-2.69E-02	0.00E+00
6.92E+01	7.58E+01	1.31E+00	4.88E-03	0.00E+00
6.92E+01	7.59E+01	9.86E-01	-2.56E-02	0.00E+00
6.92E+01	7.58E+01	9.40E-01	-4.15E-02	0.00E+00
6.92E+01	7.58E+01	1.15E+00	-1.46E-02	0.00E+00
6.93E+01	7.57E+01	9.09E-01	-3.17E-02	0.00E+00
6.93E+01	7.59E+01	8.18E-01	-1.59E-02	0.00E+00
6.93E+01	7.57E+01	1.08E+00	-9.77E-03	0.00E+00
6.93E+01	7.57E+01	7.87E-01	-1.46E-02	0.00E+00
6.93E+01	7.58E+01	1.34E+00	-1.46E-02	0.00E+00
6.94E+01	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
6.94E+01	7.58E+01	9.86E-01	7.32E-03	0.00E+00
6.94E+01	7.59E+01	1.03E+00	-1.83E-02	0.00E+00
6.94E+01	7.58E+01	9.40E-01	-9.77E-03	0.00E+00
6.94E+01	7.58E+01	1.02E+00	-8.54E-03	0.00E+00
6.95E+01	7.58E+01	9.40E-01	-1.22E-02	0.00E+00
6.95E+01	7.58E+01	1.06E+00	-2.69E-02	0.00E+00
6.95E+01	7.58E+01	1.03E+00	-9.77E-03	0.00E+00
6.95E+01	7.58E+01	1.09E+00	-7.32E-03	0.00E+00
6.95E+01	7.58E+01	1.22E+00	-2.32E-02	0.00E+00
6.96E+01	7.58E+01	1.12E+00	-4.88E-03	0.00E+00
6.96E+01	7.58E+01	8.48E-01	-4.39E-02	0.00E+00
6.96E+01	7.60E+01	9.09E-01	-2.56E-02	0.00E+00
6.96E+01	7.57E+01	1.03E+00	-4.88E-03	0.00E+00
6.96E+01	7.58E+01	8.48E-01	-1.95E-02	0.00E+00
6.97E+01	7.59E+01	1.00E+00	-1.95E-02	0.00E+00
6.97E+01	7.58E+01	1.12E+00	-4.88E-03	0.00E+00
6.97E+01	7.59E+01	1.15E+00	-2.69E-02	0.00E+00
6.97E+01	7.58E+01	1.08E+00	-1.22E-02	0.00E+00
6.97E+01	7.58E+01	1.28E+00	-1.95E-02	0.00E+00
6.98E+01	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
6.98E+01	7.58E+01	8.94E-01	-2.69E-02	0.00E+00
6.98E+01	7.57E+01	1.25E+00	-2.93E-02	0.00E+00
6.98E+01	7.59E+01	1.05E+00	-1.22E-02	0.00E+00
6.98E+01	7.57E+01	9.70E-01	-2.69E-02	0.00E+00

6.99E+01	7.58E+01	1.09E+00	-1.34E-02	0.00E+00
6.99E+01	7.58E+01	8.79E-01	-1.22E-02	0.00E+00
6.99E+01	7.58E+01	9.55E-01	-2.08E-02	0.00E+00
6.99E+01	7.58E+01	1.22E+00	-9.77E-03	0.00E+00
6.99E+01	7.58E+01	1.08E+00	-2.08E-02	0.00E+00
7.00E+01	7.58E+01	1.09E+00	-1.22E-02	0.00E+00
7.00E+01	7.58E+01	1.02E+00	-7.32E-03	0.00E+00
7.00E+01	7.58E+01	9.70E-01	-3.91E-02	0.00E+00
7.00E+01	7.57E+01	9.40E-01	4.88E-03	0.00E+00
7.00E+01	7.58E+01	9.40E-01	-9.77E-03	0.00E+00
7.01E+01	7.58E+01	9.86E-01	-9.77E-03	0.00E+00
7.01E+01	7.57E+01	8.94E-01	-3.66E-03	0.00E+00
7.01E+01	7.59E+01	1.06E+00	-2.56E-02	0.00E+00
7.01E+01	7.58E+01	1.00E+00	-7.32E-03	0.00E+00
7.01E+01	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
7.02E+01	7.59E+01	1.20E+00	-2.20E-02	0.00E+00
7.02E+01	7.58E+01	1.03E+00	-1.22E-02	0.00E+00
7.02E+01	7.59E+01	1.11E+00	-2.69E-02	0.00E+00
7.02E+01	7.58E+01	1.06E+00	2.44E-03	0.00E+00
7.02E+01	7.57E+01	8.18E-01	-4.88E-03	0.00E+00
7.03E+01	7.59E+01	9.40E-01	-1.10E-02	0.00E+00
7.03E+01	7.59E+01	1.29E+00	-1.83E-02	0.00E+00
7.03E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
7.03E+01	7.59E+01	1.23E+00	-1.22E-02	0.00E+00
7.03E+01	7.58E+01	1.14E+00	-1.46E-02	0.00E+00
7.04E+01	7.58E+01	8.48E-01	-2.32E-02	0.00E+00
7.04E+01	7.58E+01	1.00E+00	-3.66E-03	0.00E+00
7.04E+01	7.56E+01	1.06E+00	-3.17E-02	0.00E+00
7.04E+01	7.59E+01	9.55E-01	-3.91E-02	0.00E+00
7.04E+01	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
7.05E+01	7.58E+01	9.40E-01	-1.95E-02	0.00E+00
7.05E+01	7.57E+01	1.28E+00	-2.44E-03	0.00E+00
7.05E+01	7.58E+01	9.86E-01	-1.71E-02	0.00E+00
7.05E+01	7.58E+01	1.09E+00	-2.44E-02	0.00E+00
7.05E+01	7.58E+01	1.22E+00	-9.77E-03	0.00E+00
7.06E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
7.06E+01	7.58E+01	1.11E+00	-2.44E-02	0.00E+00
7.06E+01	7.58E+01	1.06E+00	-1.71E-02	0.00E+00
7.06E+01	7.59E+01	9.09E-01	-3.66E-02	0.00E+00
7.06E+01	7.60E+01	1.06E+00	-1.71E-02	0.00E+00
7.07E+01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
7.07E+01	7.59E+01	1.28E+00	-2.93E-02	0.00E+00
7.07E+01	7.58E+01	1.06E+00	-1.22E-02	0.00E+00
7.07E+01	7.58E+01	8.18E-01	-7.32E-03	0.00E+00
7.07E+01	7.59E+01	1.28E+00	-2.44E-02	0.00E+00
7.08E+01	7.58E+01	1.09E+00	-7.32E-03	0.00E+00
7.08E+01	7.58E+01	1.05E+00	-1.95E-02	0.00E+00

7.08E+01	7.57E+01	1.12E+00	-2.44E-02	0.00E+00
7.08E+01	7.58E+01	9.40E-01	-1.10E-02	0.00E+00
7.08E+01	7.58E+01	1.03E+00	-1.95E-02	0.00E+00
7.09E+01	7.57E+01	1.15E+00	-2.44E-03	0.00E+00
7.09E+01	7.56E+01	9.70E-01	-2.08E-02	0.00E+00
7.09E+01	7.59E+01	1.15E+00	-1.95E-02	0.00E+00
7.09E+01	7.58E+01	1.02E+00	-2.56E-02	0.00E+00
7.09E+01	7.59E+01	1.09E+00	-1.46E-02	0.00E+00
7.10E+01	7.58E+01	1.09E+00	-1.46E-02	0.00E+00
7.10E+01	7.58E+01	1.06E+00	-2.44E-02	0.00E+00
7.10E+01	7.59E+01	1.25E+00	-2.32E-02	0.00E+00
7.10E+01	7.58E+01	9.40E-01	-1.46E-02	0.00E+00
7.10E+01	7.58E+01	9.09E-01	-3.66E-02	0.00E+00
7.11E+01	7.58E+01	1.09E+00	-4.15E-02	0.00E+00
7.11E+01	7.58E+01	8.63E-01	-1.59E-02	0.00E+00
7.11E+01	7.58E+01	1.09E+00	-1.83E-02	0.00E+00
7.11E+01	7.58E+01	1.05E+00	-1.95E-02	0.00E+00
7.11E+01	7.58E+01	1.00E+00	-9.77E-03	0.00E+00
7.12E+01	7.58E+01	1.06E+00	-1.95E-02	0.00E+00
7.12E+01	7.58E+01	1.18E+00	-1.46E-02	0.00E+00
7.12E+01	7.58E+01	9.40E-01	0.00E+00	0.00E+00
7.12E+01	7.59E+01	1.09E+00	-2.32E-02	0.00E+00
7.12E+01	7.58E+01	9.86E-01	-2.20E-02	0.00E+00
7.13E+01	7.58E+01	1.00E+00	-2.08E-02	0.00E+00
7.13E+01	7.57E+01	1.12E+00	-1.34E-02	0.00E+00
7.13E+01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
7.13E+01	7.58E+01	1.40E+00	-1.46E-02	0.00E+00
7.13E+01	7.57E+01	1.03E+00	-9.77E-03	0.00E+00
7.14E+01	7.57E+01	1.09E+00	-1.46E-02	0.00E+00
7.14E+01	7.59E+01	1.18E+00	-1.22E-02	0.00E+00
7.14E+01	7.58E+01	1.18E+00	-1.22E-02	0.00E+00
7.14E+01	7.57E+01	9.09E-01	-1.71E-02	0.00E+00
7.14E+01	7.58E+01	1.08E+00	-2.44E-03	0.00E+00
7.15E+01	7.56E+01	8.79E-01	-1.22E-02	0.00E+00
7.15E+01	7.60E+01	9.70E-01	-2.20E-02	0.00E+00
7.15E+01	7.59E+01	9.40E-01	-1.34E-02	0.00E+00
7.15E+01	7.58E+01	8.18E-01	-2.32E-02	0.00E+00
7.15E+01	7.59E+01	1.12E+00	-1.59E-02	0.00E+00
7.16E+01	7.58E+01	9.55E-01	-1.34E-02	0.00E+00
7.16E+01	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
7.16E+01	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
7.16E+01	7.57E+01	9.09E-01	-1.46E-02	0.00E+00
7.16E+01	7.58E+01	1.03E+00	-5.13E-02	0.00E+00
7.17E+01	7.60E+01	1.08E+00	-1.22E-02	0.00E+00
7.17E+01	7.56E+01	1.03E+00	-1.46E-02	0.00E+00
7.17E+01	7.59E+01	1.03E+00	-3.17E-02	0.00E+00
7.17E+01	7.58E+01	1.05E+00	-2.44E-03	0.00E+00

7.17E+01	7.58E+01	1.18E+00	-1.83E-02	0.00E+00
7.18E+01	7.59E+01	1.09E+00	-1.95E-02	0.00E+00
7.18E+01	7.58E+01	1.06E+00	-7.32E-03	0.00E+00
7.18E+01	7.58E+01	1.15E+00	-2.20E-02	0.00E+00
7.18E+01	7.59E+01	1.03E+00	-1.59E-02	0.00E+00
7.18E+01	7.58E+01	9.40E-01	-6.10E-03	0.00E+00
7.19E+01	7.58E+01	9.70E-01	-3.66E-02	0.00E+00
7.19E+01	7.59E+01	1.09E+00	-2.93E-02	0.00E+00
7.19E+01	7.59E+01	9.09E-01	-2.20E-02	0.00E+00
7.19E+01	7.58E+01	1.08E+00	-9.77E-03	0.00E+00
7.19E+01	7.59E+01	7.87E-01	-1.95E-02	0.00E+00
7.20E+01	7.59E+01	1.06E+00	-2.93E-02	0.00E+00
7.20E+01	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
7.20E+01	7.58E+01	1.15E+00	-2.44E-02	0.00E+00
7.20E+01	7.58E+01	9.40E-01	-1.46E-02	0.00E+00
7.20E+01	7.58E+01	1.09E+00	-3.66E-03	0.00E+00
7.21E+01	7.56E+01	1.00E+00	-2.20E-02	0.00E+00
7.21E+01	7.59E+01	1.09E+00	-1.46E-02	0.00E+00
7.21E+01	7.57E+01	1.05E+00	-1.22E-02	0.00E+00
7.21E+01	7.58E+01	8.48E-01	-4.39E-02	0.00E+00
7.21E+01	7.59E+01	1.06E+00	-1.95E-02	0.00E+00
7.22E+01	7.58E+01	1.05E+00	-2.08E-02	0.00E+00
7.22E+01	7.58E+01	8.48E-01	-9.77E-03	0.00E+00
7.22E+01	7.59E+01	1.14E+00	-2.20E-02	0.00E+00
7.22E+01	7.57E+01	1.20E+00	-1.22E-02	0.00E+00
7.22E+01	7.58E+01	1.00E+00	-2.20E-02	0.00E+00
7.23E+01	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
7.23E+01	7.59E+01	8.02E-01	-1.71E-02	0.00E+00
7.23E+01	7.59E+01	1.00E+00	2.44E-03	0.00E+00
7.23E+01	7.57E+01	1.06E+00	-2.69E-02	0.00E+00
7.23E+01	7.58E+01	9.25E-01	-2.93E-02	0.00E+00
7.24E+01	7.59E+01	1.00E+00	-1.95E-02	0.00E+00
7.24E+01	7.58E+01	9.70E-01	-1.34E-02	0.00E+00
7.24E+01	7.59E+01	1.28E+00	-2.69E-02	0.00E+00
7.24E+01	7.58E+01	1.12E+00	-1.22E-02	0.00E+00
7.24E+01	7.58E+01	8.79E-01	-1.83E-02	0.00E+00
7.25E+01	7.59E+01	8.79E-01	-2.20E-02	0.00E+00
7.25E+01	7.58E+01	1.18E+00	-1.22E-02	0.00E+00
7.25E+01	7.58E+01	9.86E-01	-3.66E-02	0.00E+00
7.25E+01	7.57E+01	1.09E+00	7.32E-03	0.00E+00
7.25E+01	7.57E+01	8.79E-01	4.88E-03	0.00E+00
7.26E+01	7.59E+01	1.17E+00	-3.30E-02	0.00E+00
7.26E+01	7.59E+01	1.15E+00	-2.81E-02	0.00E+00
7.26E+01	7.57E+01	9.09E-01	-9.77E-03	0.00E+00
7.26E+01	7.59E+01	1.03E+00	-2.20E-02	0.00E+00
7.26E+01	7.59E+01	1.22E+00	-1.10E-02	0.00E+00
7.27E+01	7.57E+01	1.08E+00	-1.71E-02	0.00E+00

7.27E+01	7.59E+01	1.25E+00	-1.95E-02	0.00E+00
7.27E+01	7.58E+01	1.05E+00	-1.34E-02	0.00E+00
7.27E+01	7.56E+01	9.70E-01	2.44E-03	0.00E+00
7.27E+01	7.60E+01	1.14E+00	-1.95E-02	0.00E+00
7.28E+01	7.58E+01	8.63E-01	0.00E+00	0.00E+00
7.28E+01	7.59E+01	9.40E-01	-4.64E-02	0.00E+00
7.28E+01	7.59E+01	1.06E+00	-2.44E-02	0.00E+00
7.28E+01	7.58E+01	8.18E-01	-3.17E-02	0.00E+00
7.28E+01	7.58E+01	7.41E-01	-1.71E-02	0.00E+00
7.29E+01	7.58E+01	9.70E-01	-1.95E-02	0.00E+00
7.29E+01	7.58E+01	7.87E-01	-2.69E-02	0.00E+00
7.29E+01	7.59E+01	1.22E+00	-1.71E-02	0.00E+00
7.29E+01	7.58E+01	9.40E-01	-1.59E-02	0.00E+00
7.29E+01	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
7.30E+01	7.58E+01	1.20E+00	-4.88E-03	0.00E+00
7.30E+01	7.58E+01	9.40E-01	-2.56E-02	0.00E+00
7.30E+01	7.59E+01	1.18E+00	-2.08E-02	0.00E+00
7.30E+01	7.56E+01	1.11E+00	-8.54E-03	0.00E+00
7.30E+01	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
7.31E+01	7.57E+01	1.12E+00	-1.10E-02	0.00E+00
7.31E+01	7.58E+01	1.03E+00	-2.32E-02	0.00E+00
7.31E+01	7.59E+01	1.18E+00	-2.93E-02	0.00E+00
7.31E+01	7.58E+01	1.05E+00	-9.77E-03	0.00E+00
7.31E+01	7.58E+01	9.09E-01	-2.20E-02	0.00E+00
7.32E+01	7.59E+01	1.18E+00	-1.22E-02	0.00E+00
7.32E+01	7.57E+01	8.79E-01	-1.10E-02	0.00E+00
7.32E+01	7.57E+01	1.09E+00	-2.20E-02	0.00E+00
7.32E+01	7.58E+01	9.55E-01	-8.54E-03	0.00E+00
7.32E+01	7.59E+01	8.63E-01	-1.71E-02	0.00E+00
7.33E+01	7.58E+01	1.09E+00	-2.44E-03	0.00E+00
7.33E+01	7.57E+01	9.09E-01	-8.54E-03	0.00E+00
7.33E+01	7.59E+01	9.70E-01	-1.95E-02	0.00E+00
7.33E+01	7.58E+01	1.25E+00	-4.88E-03	0.00E+00
7.33E+01	7.58E+01	9.55E-01	-2.20E-02	0.00E+00
7.34E+01	7.59E+01	9.40E-01	-8.54E-03	0.00E+00
7.34E+01	7.58E+01	1.03E+00	-1.34E-02	0.00E+00
7.34E+01	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
7.34E+01	7.59E+01	1.05E+00	-1.22E-02	0.00E+00
7.34E+01	7.58E+01	1.09E+00	-3.30E-02	0.00E+00
7.35E+01	7.60E+01	1.12E+00	-2.44E-02	0.00E+00
7.35E+01	7.59E+01	1.15E+00	-1.95E-02	0.00E+00
7.35E+01	7.58E+01	7.87E-01	-3.66E-02	0.00E+00
7.35E+01	7.58E+01	1.08E+00	-1.59E-02	0.00E+00
7.35E+01	7.59E+01	9.70E-01	-7.32E-03	0.00E+00
7.36E+01	7.57E+01	1.03E+00	-1.46E-02	0.00E+00
7.36E+01	7.59E+01	8.79E-01	-8.54E-03	0.00E+00
7.36E+01	7.58E+01	8.33E-01	-1.71E-02	0.00E+00

7.36E+01	7.59E+01	1.02E+00	-1.95E-02	0.00E+00
7.36E+01	7.58E+01	1.09E+00	-4.88E-03	0.00E+00
7.37E+01	7.58E+01	1.08E+00	-2.44E-02	0.00E+00
7.37E+01	7.59E+01	1.17E+00	-2.44E-03	0.00E+00
7.37E+01	7.57E+01	1.00E+00	-4.88E-03	0.00E+00
7.37E+01	7.59E+01	1.00E+00	-4.15E-02	0.00E+00
7.37E+01	7.57E+01	1.17E+00	-4.88E-03	0.00E+00
7.38E+01	7.58E+01	1.12E+00	-3.66E-03	0.00E+00
7.38E+01	7.58E+01	1.40E+00	-3.17E-02	0.00E+00
7.38E+01	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
7.38E+01	7.59E+01	7.56E-01	-2.56E-02	0.00E+00
7.38E+01	7.58E+01	1.03E+00	-1.46E-02	0.00E+00
7.39E+01	7.58E+01	7.56E-01	-1.22E-02	0.00E+00
7.39E+01	7.59E+01	1.05E+00	-1.95E-02	0.00E+00
7.39E+01	7.58E+01	1.06E+00	-2.20E-02	0.00E+00
7.39E+01	7.56E+01	1.03E+00	-2.08E-02	0.00E+00
7.39E+01	7.59E+01	1.15E+00	-1.95E-02	0.00E+00
7.40E+01	7.56E+01	8.79E-01	2.44E-03	0.00E+00
7.40E+01	7.57E+01	9.70E-01	-1.22E-03	0.00E+00
7.40E+01	7.58E+01	1.03E+00	-2.69E-02	0.00E+00
7.40E+01	7.57E+01	9.40E-01	-1.22E-02	0.00E+00
7.40E+01	7.58E+01	1.25E+00	-1.71E-02	0.00E+00
7.41E+01	7.59E+01	1.00E+00	-2.20E-02	0.00E+00
7.41E+01	7.58E+01	1.22E+00	-1.46E-02	0.00E+00
7.41E+01	7.58E+01	7.56E-01	-2.44E-02	0.00E+00
7.41E+01	7.58E+01	1.15E+00	-6.10E-03	0.00E+00
7.41E+01	7.58E+01	1.11E+00	-9.77E-03	0.00E+00
7.42E+01	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
7.42E+01	7.56E+01	1.09E+00	-7.32E-03	0.00E+00
7.42E+01	7.59E+01	9.09E-01	-3.30E-02	0.00E+00
7.42E+01	7.59E+01	1.12E+00	-1.22E-02	0.00E+00
7.42E+01	7.57E+01	1.00E+00	-2.81E-02	0.00E+00
7.43E+01	7.59E+01	1.06E+00	-1.22E-02	0.00E+00
7.43E+01	7.57E+01	1.03E+00	-1.22E-02	0.00E+00
7.43E+01	7.58E+01	1.15E+00	-1.71E-02	0.00E+00
7.43E+01	7.59E+01	1.00E+00	-1.34E-02	0.00E+00
7.43E+01	7.58E+01	1.05E+00	-2.08E-02	0.00E+00
7.44E+01	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
7.44E+01	7.59E+01	1.12E+00	-9.77E-03	0.00E+00
7.44E+01	7.58E+01	1.02E+00	-1.71E-02	0.00E+00
7.44E+01	7.59E+01	9.70E-01	1.46E-02	0.00E+00
7.44E+01	7.59E+01	1.00E+00	-1.22E-02	0.00E+00
7.45E+01	7.58E+01	9.09E-01	-3.66E-02	0.00E+00
7.45E+01	7.57E+01	1.03E+00	-1.46E-02	0.00E+00
7.45E+01	7.58E+01	1.02E+00	-1.22E-02	0.00E+00
7.45E+01	7.59E+01	1.09E+00	-2.44E-02	0.00E+00
7.45E+01	7.59E+01	1.03E+00	-1.46E-02	0.00E+00

7.46E+01	7.59E+01	9.40E-01	-2.69E-02	0.00E+00
7.46E+01	7.59E+01	1.15E+00	-9.77E-03	0.00E+00
7.46E+01	7.58E+01	8.48E-01	-1.34E-02	0.00E+00
7.46E+01	7.58E+01	1.22E+00	-2.08E-02	0.00E+00
7.46E+01	7.58E+01	1.12E+00	-1.22E-02	0.00E+00
7.47E+01	7.59E+01	1.12E+00	-1.95E-02	0.00E+00
7.47E+01	7.59E+01	1.14E+00	-1.34E-02	0.00E+00
7.47E+01	7.57E+01	8.79E-01	-2.44E-02	0.00E+00
7.47E+01	7.59E+01	1.06E+00	-7.32E-03	0.00E+00
7.47E+01	7.57E+01	1.12E+00	-3.42E-02	0.00E+00
7.48E+01	7.60E+01	1.11E+00	-1.83E-02	0.00E+00
7.48E+01	7.58E+01	1.06E+00	-1.22E-02	0.00E+00
7.48E+01	7.58E+01	9.40E-01	-4.88E-03	0.00E+00
7.48E+01	7.59E+01	1.26E+00	-2.69E-02	0.00E+00
7.48E+01	7.58E+01	1.06E+00	-9.77E-03	0.00E+00
7.49E+01	7.59E+01	1.15E+00	-2.44E-02	0.00E+00
7.49E+01	7.58E+01	8.48E-01	-1.34E-02	0.00E+00
7.49E+01	7.58E+01	1.06E+00	-1.22E-02	0.00E+00
7.49E+01	7.59E+01	1.09E+00	-1.95E-02	0.00E+00
7.49E+01	7.60E+01	1.06E+00	2.44E-03	0.00E+00
7.50E+01	7.60E+01	1.05E+00	-1.95E-02	0.00E+00
7.50E+01	7.58E+01	1.03E+00	-1.71E-02	0.00E+00
7.50E+01	7.59E+01	8.79E-01	-4.03E-02	0.00E+00
7.50E+01	7.60E+01	1.02E+00	-2.08E-02	0.00E+00
7.50E+01	7.58E+01	9.86E-01	-7.32E-03	0.00E+00
7.51E+01	7.58E+01	1.25E+00	-1.95E-02	0.00E+00
7.51E+01	7.59E+01	1.32E+00	-1.22E-02	0.00E+00
7.51E+01	7.58E+01	9.40E-01	-1.71E-02	0.00E+00
7.51E+01	7.59E+01	1.12E+00	-2.56E-02	0.00E+00
7.51E+01	7.58E+01	9.86E-01	-2.44E-03	0.00E+00
7.52E+01	7.58E+01	1.00E+00	-2.69E-02	0.00E+00
7.52E+01	7.59E+01	1.22E+00	-1.95E-02	0.00E+00
7.52E+01	7.58E+01	9.70E-01	9.77E-03	0.00E+00
7.52E+01	7.58E+01	1.03E+00	-3.17E-02	0.00E+00
7.52E+01	7.57E+01	1.18E+00	-7.32E-03	0.00E+00
7.53E+01	7.57E+01	8.79E-01	1.22E-03	0.00E+00

Current File O:\Projects\914220~1\ODYSSE~1\processed_data\Ody1108A.csv

Original File C:\Data\9142OdysseyLiftGate\Ody1108.dx3

File descrip 9142 2005 Honda Odyssey LiftGate liftgate - Esser

Project ID: Project ID

File ID: ORIGINAL

Test Date: 4/9/2009

Test Time: 29:21.0

Current Da #####

Current Tin 8:36:17

Number of 4

Number of 1312

Independe 0.02

Independe -4.82

Independe Sec

Time Angle Force LiftgateMo StrutCalDisplacement

Sec	Degrees	lbs	volts	inches
-4.82E+00	7.57E+01	1.09E+00	-2.44E-02	0.00E+00
-4.80E+00	7.58E+01	9.55E-01	-3.05E-02	0.00E+00
-4.78E+00	7.58E+01	1.09E+00	-3.30E-02	0.00E+00
-4.76E+00	7.59E+01	1.02E+00	-1.46E-02	0.00E+00
-4.74E+00	7.58E+01	9.86E-01	-1.22E-02	0.00E+00
-4.72E+00	7.60E+01	1.28E+00	-1.10E-02	0.00E+00
-4.70E+00	7.58E+01	9.09E-01	-9.77E-03	0.00E+00
-4.68E+00	7.59E+01	9.70E-01	-2.44E-03	0.00E+00
-4.66E+00	7.58E+01	1.12E+00	4.88E-03	0.00E+00
-4.64E+00	7.58E+01	7.56E-01	-2.32E-02	0.00E+00
-4.62E+00	7.60E+01	1.15E+00	-1.22E-02	0.00E+00
-4.60E+00	7.59E+01	9.70E-01	-3.30E-02	0.00E+00
-4.58E+00	7.59E+01	1.06E+00	-1.22E-02	0.00E+00
-4.56E+00	7.57E+01	1.11E+00	-4.88E-03	0.00E+00
-4.54E+00	7.57E+01	9.09E-01	-1.46E-02	0.00E+00
-4.52E+00	7.59E+01	1.09E+00	-2.44E-03	0.00E+00
-4.50E+00	7.57E+01	1.03E+00	-1.59E-02	0.00E+00
-4.48E+00	7.58E+01	1.00E+00	-4.64E-02	0.00E+00
-4.46E+00	7.60E+01	1.06E+00	4.88E-03	0.00E+00
-4.44E+00	7.57E+01	9.70E-01	-2.20E-02	0.00E+00
-4.42E+00	7.58E+01	1.03E+00	-2.32E-02	0.00E+00
-4.40E+00	7.57E+01	9.70E-01	-1.71E-02	0.00E+00
-4.38E+00	7.59E+01	9.55E-01	-1.46E-02	0.00E+00
-4.36E+00	7.58E+01	1.22E+00	-2.69E-02	0.00E+00
-4.34E+00	7.58E+01	8.48E-01	-1.71E-02	0.00E+00
-4.32E+00	7.59E+01	1.05E+00	-1.71E-02	0.00E+00
-4.30E+00	7.58E+01	1.06E+00	-8.54E-03	0.00E+00
-4.28E+00	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
-4.26E+00	7.59E+01	1.03E+00	0.00E+00	0.00E+00
-4.24E+00	7.59E+01	9.70E-01	-4.88E-03	0.00E+00
-4.22E+00	7.59E+01	9.25E-01	-1.95E-02	0.00E+00

-4.20E+00	7.58E+01	1.06E+00	-7.32E-03	0.00E+00
-4.18E+00	7.58E+01	8.94E-01	-2.81E-02	0.00E+00
-4.16E+00	7.60E+01	1.14E+00	-1.46E-02	0.00E+00
-4.14E+00	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
-4.12E+00	7.59E+01	9.70E-01	-2.93E-02	0.00E+00
-4.10E+00	7.59E+01	7.26E-01	-8.54E-03	0.00E+00
-4.08E+00	7.58E+01	8.79E-01	-2.44E-02	0.00E+00
-4.06E+00	7.59E+01	1.32E+00	-1.10E-02	0.00E+00
-4.04E+00	7.58E+01	1.28E+00	-2.20E-02	0.00E+00
-4.02E+00	7.59E+01	1.09E+00	-2.08E-02	0.00E+00
-4.00E+00	7.59E+01	1.00E+00	-1.22E-02	0.00E+00
-3.98E+00	7.57E+01	9.55E-01	-1.10E-02	0.00E+00
-3.96E+00	7.59E+01	1.15E+00	-1.22E-02	0.00E+00
-3.94E+00	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
-3.92E+00	7.59E+01	1.03E+00	-2.08E-02	0.00E+00
-3.90E+00	7.58E+01	1.00E+00	-1.10E-02	0.00E+00
-3.88E+00	7.59E+01	8.33E-01	-2.69E-02	0.00E+00
-3.86E+00	7.59E+01	1.18E+00	-1.46E-02	0.00E+00
-3.84E+00	7.58E+01	9.40E-01	-7.32E-03	0.00E+00
-3.82E+00	7.59E+01	8.94E-01	-2.20E-02	0.00E+00
-3.80E+00	7.59E+01	1.12E+00	-6.10E-03	0.00E+00
-3.78E+00	7.58E+01	1.09E+00	-1.95E-02	0.00E+00
-3.76E+00	7.59E+01	1.34E+00	-1.95E-02	0.00E+00
-3.74E+00	7.57E+01	8.02E-01	-7.32E-03	0.00E+00
-3.72E+00	7.59E+01	8.18E-01	-2.20E-02	0.00E+00
-3.70E+00	7.59E+01	1.03E+00	-1.59E-02	0.00E+00
-3.68E+00	7.58E+01	8.18E-01	-1.34E-02	0.00E+00
-3.66E+00	7.59E+01	1.03E+00	-1.95E-02	0.00E+00
-3.64E+00	7.59E+01	1.03E+00	-9.77E-03	0.00E+00
-3.62E+00	7.58E+01	9.40E-01	-2.44E-02	0.00E+00
-3.60E+00	7.60E+01	1.28E+00	-1.95E-02	0.00E+00
-3.58E+00	7.58E+01	1.03E+00	9.77E-03	0.00E+00
-3.56E+00	7.59E+01	9.86E-01	-3.54E-02	0.00E+00
-3.54E+00	7.57E+01	1.00E+00	-1.34E-02	0.00E+00
-3.52E+00	7.58E+01	9.09E-01	-5.13E-02	0.00E+00
-3.50E+00	7.60E+01	1.14E+00	1.22E-03	0.00E+00
-3.48E+00	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-3.46E+00	7.59E+01	1.09E+00	-2.20E-02	0.00E+00
-3.44E+00	7.58E+01	1.25E+00	1.10E-02	0.00E+00
-3.42E+00	7.58E+01	9.40E-01	-1.71E-02	0.00E+00
-3.40E+00	7.59E+01	9.40E-01	-3.66E-03	0.00E+00
-3.38E+00	7.59E+01	1.12E+00	-7.32E-03	0.00E+00
-3.36E+00	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
-3.34E+00	7.59E+01	1.06E+00	-7.32E-03	0.00E+00
-3.32E+00	7.59E+01	1.05E+00	2.44E-03	0.00E+00
-3.30E+00	7.57E+01	7.87E-01	-2.20E-02	0.00E+00
-3.28E+00	7.59E+01	1.15E+00	-7.32E-03	0.00E+00

-3.26E+00	7.58E+01	1.03E+00	2.44E-03	0.00E+00
-3.24E+00	7.56E+01	1.03E+00	-3.91E-02	0.00E+00
-3.22E+00	7.60E+01	1.11E+00	-7.32E-03	0.00E+00
-3.20E+00	7.58E+01	9.40E-01	-1.71E-02	0.00E+00
-3.18E+00	7.59E+01	1.00E+00	-9.77E-03	0.00E+00
-3.16E+00	7.58E+01	1.12E+00	-1.95E-02	0.00E+00
-3.14E+00	7.58E+01	8.48E-01	-9.77E-03	0.00E+00
-3.12E+00	7.59E+01	1.06E+00	-2.69E-02	0.00E+00
-3.10E+00	7.59E+01	1.15E+00	-1.71E-02	0.00E+00
-3.08E+00	7.59E+01	8.63E-01	-1.22E-03	0.00E+00
-3.06E+00	7.59E+01	1.12E+00	-2.32E-02	0.00E+00
-3.04E+00	7.59E+01	1.06E+00	-4.88E-03	0.00E+00
-3.02E+00	7.58E+01	1.18E+00	-1.22E-02	0.00E+00
-3.00E+00	7.60E+01	1.09E+00	-1.71E-02	0.00E+00
-2.98E+00	7.58E+01	9.70E-01	-2.44E-02	0.00E+00
-2.96E+00	7.58E+01	8.48E-01	-1.95E-02	0.00E+00
-2.94E+00	7.59E+01	1.06E+00	-2.44E-02	0.00E+00
-2.92E+00	7.57E+01	1.00E+00	-1.22E-02	0.00E+00
-2.90E+00	7.59E+01	1.15E+00	-9.77E-03	0.00E+00
-2.88E+00	7.58E+01	1.08E+00	2.44E-03	0.00E+00
-2.86E+00	7.58E+01	9.40E-01	-1.22E-02	0.00E+00
-2.84E+00	7.60E+01	1.06E+00	-2.69E-02	0.00E+00
-2.82E+00	7.59E+01	1.05E+00	-1.10E-02	0.00E+00
-2.80E+00	7.58E+01	1.00E+00	-2.81E-02	0.00E+00
-2.78E+00	7.60E+01	1.09E+00	-3.54E-02	0.00E+00
-2.76E+00	7.59E+01	1.05E+00	-1.46E-02	0.00E+00
-2.74E+00	7.59E+01	9.40E-01	-3.17E-02	0.00E+00
-2.72E+00	7.59E+01	1.15E+00	-1.10E-02	0.00E+00
-2.70E+00	7.58E+01	1.00E+00	-2.20E-02	0.00E+00
-2.68E+00	7.59E+01	1.17E+00	-9.77E-03	0.00E+00
-2.66E+00	7.58E+01	8.79E-01	-1.71E-02	0.00E+00
-2.64E+00	7.59E+01	8.48E-01	-2.20E-02	0.00E+00
-2.62E+00	7.59E+01	1.03E+00	-1.34E-02	0.00E+00
-2.60E+00	7.58E+01	1.15E+00	-1.95E-02	0.00E+00
-2.58E+00	7.59E+01	1.09E+00	-2.20E-02	0.00E+00
-2.56E+00	7.58E+01	1.17E+00	-1.59E-02	0.00E+00
-2.54E+00	7.58E+01	1.32E+00	-2.20E-02	0.00E+00
-2.52E+00	7.58E+01	1.12E+00	-9.77E-03	0.00E+00
-2.50E+00	7.58E+01	1.12E+00	-7.32E-03	0.00E+00
-2.48E+00	7.59E+01	1.03E+00	-2.32E-02	0.00E+00
-2.46E+00	7.59E+01	9.09E-01	-2.08E-02	0.00E+00
-2.44E+00	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
-2.42E+00	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
-2.40E+00	7.57E+01	9.09E-01	-3.91E-02	0.00E+00
-2.38E+00	7.58E+01	1.00E+00	-2.20E-02	0.00E+00
-2.36E+00	7.59E+01	9.09E-01	-1.95E-02	0.00E+00
-2.34E+00	7.59E+01	9.40E-01	-4.52E-02	0.00E+00

-2.32E+00	7.56E+01	1.22E+00	1.59E-02	0.00E+00
-2.30E+00	7.58E+01	1.02E+00	-2.32E-02	0.00E+00
-2.28E+00	7.59E+01	1.02E+00	-1.83E-02	0.00E+00
-2.26E+00	7.58E+01	1.23E+00	-1.22E-02	0.00E+00
-2.24E+00	7.59E+01	1.06E+00	-2.93E-02	0.00E+00
-2.22E+00	7.58E+01	9.70E-01	-1.22E-02	0.00E+00
-2.20E+00	7.58E+01	8.48E-01	-1.22E-02	0.00E+00
-2.18E+00	7.59E+01	1.08E+00	-2.20E-02	0.00E+00
-2.16E+00	7.58E+01	9.09E-01	-7.32E-03	0.00E+00
-2.14E+00	7.59E+01	7.56E-01	-2.93E-02	0.00E+00
-2.12E+00	7.59E+01	1.06E+00	-2.32E-02	0.00E+00
-2.10E+00	7.58E+01	9.40E-01	-1.10E-02	0.00E+00
-2.08E+00	7.59E+01	1.25E+00	-1.95E-02	0.00E+00
-2.06E+00	7.58E+01	1.06E+00	-7.32E-03	0.00E+00
-2.04E+00	7.58E+01	1.03E+00	-1.71E-02	0.00E+00
-2.02E+00	7.59E+01	1.08E+00	-9.77E-03	0.00E+00
-2.00E+00	7.58E+01	1.00E+00	-1.22E-02	0.00E+00
-1.98E+00	7.59E+01	9.86E-01	-1.95E-02	0.00E+00
-1.96E+00	7.59E+01	1.06E+00	-9.77E-03	0.00E+00
-1.94E+00	7.58E+01	8.79E-01	-7.32E-03	0.00E+00
-1.92E+00	7.60E+01	1.18E+00	4.88E-03	0.00E+00
-1.90E+00	7.56E+01	9.70E-01	-1.46E-02	0.00E+00
-1.88E+00	7.59E+01	1.00E+00	-2.44E-03	0.00E+00
-1.86E+00	7.61E+01	1.03E+00	-1.10E-02	0.00E+00
-1.84E+00	7.59E+01	1.17E+00	-2.20E-02	0.00E+00
-1.82E+00	7.59E+01	1.12E+00	-1.95E-02	0.00E+00
-1.80E+00	7.58E+01	1.06E+00	-6.10E-03	0.00E+00
-1.78E+00	7.58E+01	6.95E-01	-2.20E-02	0.00E+00
-1.76E+00	7.59E+01	1.23E+00	-1.34E-02	0.00E+00
-1.74E+00	7.58E+01	1.03E+00	-9.77E-03	0.00E+00
-1.72E+00	7.59E+01	1.03E+00	-2.44E-02	0.00E+00
-1.70E+00	7.58E+01	1.15E+00	-2.44E-03	0.00E+00
-1.68E+00	7.58E+01	8.02E-01	-2.20E-02	0.00E+00
-1.66E+00	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
-1.64E+00	7.58E+01	1.32E+00	-1.71E-02	0.00E+00
-1.62E+00	7.59E+01	9.40E-01	-1.71E-02	0.00E+00
-1.60E+00	7.59E+01	1.14E+00	-1.34E-02	0.00E+00
-1.58E+00	7.58E+01	9.40E-01	-2.44E-02	0.00E+00
-1.56E+00	7.59E+01	1.05E+00	-2.44E-02	0.00E+00
-1.54E+00	7.57E+01	1.02E+00	-2.08E-02	0.00E+00
-1.52E+00	7.58E+01	9.55E-01	-5.37E-02	0.00E+00
-1.50E+00	7.58E+01	1.09E+00	0.00E+00	0.00E+00
-1.48E+00	7.58E+01	9.40E-01	-2.56E-02	0.00E+00
-1.46E+00	7.59E+01	1.11E+00	-2.44E-02	0.00E+00
-1.44E+00	7.58E+01	9.40E-01	-1.46E-02	0.00E+00
-1.42E+00	7.58E+01	9.40E-01	-5.13E-02	0.00E+00
-1.40E+00	7.57E+01	1.06E+00	-2.20E-02	0.00E+00

-1.38E+00	7.59E+01	1.03E+00	-1.22E-02	0.00E+00
-1.36E+00	7.59E+01	9.70E-01	-2.81E-02	0.00E+00
-1.34E+00	7.59E+01	1.12E+00	-9.77E-03	0.00E+00
-1.32E+00	7.58E+01	9.70E-01	-2.56E-02	0.00E+00
-1.30E+00	7.59E+01	1.00E+00	-2.20E-02	0.00E+00
-1.28E+00	7.59E+01	1.15E+00	-1.95E-02	0.00E+00
-1.26E+00	7.58E+01	1.15E+00	-1.83E-02	0.00E+00
-1.24E+00	7.59E+01	1.06E+00	-1.71E-02	0.00E+00
-1.22E+00	7.59E+01	1.00E+00	-4.88E-03	0.00E+00
-1.20E+00	7.58E+01	9.86E-01	-2.56E-02	0.00E+00
-1.18E+00	7.59E+01	9.40E-01	-1.71E-02	0.00E+00
-1.16E+00	7.58E+01	9.09E-01	-2.20E-02	0.00E+00
-1.14E+00	7.59E+01	1.03E+00	-9.77E-03	0.00E+00
-1.12E+00	7.57E+01	1.03E+00	-2.69E-02	0.00E+00
-1.10E+00	7.58E+01	9.70E-01	-1.71E-02	0.00E+00
-1.08E+00	7.58E+01	1.09E+00	-1.95E-02	0.00E+00
-1.06E+00	7.58E+01	8.94E-01	-3.66E-02	0.00E+00
-1.04E+00	7.58E+01	9.70E-01	-2.93E-02	0.00E+00
-1.02E+00	7.59E+01	1.03E+00	6.10E-03	0.00E+00
-1.00E+00	7.57E+01	9.40E-01	1.22E-03	0.00E+00
-9.80E-01	7.59E+01	1.02E+00	-1.95E-02	0.00E+00
-9.60E-01	7.58E+01	9.09E-01	-1.95E-02	0.00E+00
-9.40E-01	7.60E+01	8.79E-01	-4.88E-03	0.00E+00
-9.20E-01	7.60E+01	1.12E+00	-1.71E-02	0.00E+00
-9.00E-01	7.58E+01	1.00E+00	1.22E-02	0.00E+00
-8.80E-01	7.59E+01	1.20E+00	-1.46E-02	0.00E+00
-8.60E-01	7.58E+01	9.70E-01	-1.59E-02	0.00E+00
-8.40E-01	7.59E+01	1.08E+00	-1.83E-02	0.00E+00
-8.20E-01	7.59E+01	1.06E+00	-3.66E-03	0.00E+00
-8.00E-01	7.58E+01	8.79E-01	-2.44E-02	0.00E+00
-7.80E-01	7.59E+01	9.09E-01	-2.20E-02	0.00E+00
-7.60E-01	7.58E+01	1.06E+00	-1.83E-02	0.00E+00
-7.40E-01	7.55E+01	1.02E+00	-3.42E-02	0.00E+00
-7.20E-01	7.54E+01	1.09E+00	-3.66E-02	0.00E+00
-7.00E-01	7.53E+01	8.48E-01	-1.95E-02	0.00E+00
-6.80E-01	7.56E+01	1.09E+00	-3.66E-02	0.00E+00
-6.60E-01	7.59E+01	9.55E-01	-1.46E-02	0.00E+00
-6.40E-01	7.59E+01	1.15E+00	-2.44E-02	0.00E+00
-6.20E-01	7.59E+01	1.20E+00	-2.20E-02	0.00E+00
-6.00E-01	7.58E+01	1.35E+00	-3.66E-03	0.00E+00
-5.80E-01	7.59E+01	9.55E-01	-2.69E-02	0.00E+00
-5.60E-01	7.59E+01	8.63E-01	-2.20E-02	0.00E+00
-5.40E-01	7.57E+01	1.00E+00	-1.71E-02	0.00E+00
-5.20E-01	7.59E+01	1.09E+00	-2.93E-02	0.00E+00
-5.00E-01	7.57E+01	1.00E+00	1.46E-02	0.00E+00
-4.80E-01	7.59E+01	9.70E-01	-4.64E-02	0.00E+00
-4.60E-01	7.58E+01	1.15E+00	-9.77E-03	0.00E+00

-4.40E-01	7.54E+01	8.18E-01	-4.64E-02	0.00E+00
-4.20E-01	7.55E+01	1.25E+00	-1.83E-02	0.00E+00
-4.00E-01	7.53E+01	1.00E+00	-8.54E-03	0.00E+00
-3.80E-01	7.53E+01	1.09E+00	-1.95E-02	0.00E+00
-3.60E-01	7.54E+01	1.31E+00	-1.71E-02	0.00E+00
-3.40E-01	7.52E+01	7.10E-01	-2.20E-02	0.00E+00
-3.20E-01	7.53E+01	9.55E-01	-2.44E-02	0.00E+00
-3.00E-01	7.53E+01	1.03E+00	-1.46E-02	0.00E+00
-2.80E-01	7.52E+01	1.00E+00	-9.77E-03	0.00E+00
-2.60E-01	7.53E+01	1.12E+00	-1.10E-02	0.00E+00
-2.40E-01	7.52E+01	9.55E-01	-1.95E-02	0.00E+00
-2.20E-01	7.53E+01	9.70E-01	-3.66E-02	0.00E+00
-2.00E-01	7.52E+01	9.86E-01	-9.77E-03	0.00E+00
-1.80E-01	7.52E+01	1.08E+00	-2.69E-02	0.00E+00
-1.60E-01	7.50E+01	1.15E+00	-6.10E-03	0.00E+00
-1.40E-01	7.47E+01	9.70E-01	-6.10E-03	0.00E+00
-1.20E-01	7.47E+01	1.06E+00	-2.32E-02	0.00E+00
-1.00E-01	7.46E+01	1.18E+00	-1.10E-02	0.00E+00
-8.00E-02	7.47E+01	1.06E+00	-2.20E-02	0.00E+00
-6.00E-02	7.47E+01	7.56E-01	-2.56E-02	0.00E+00
-4.00E-02	7.47E+01	1.14E+00	-9.77E-03	0.00E+00
-2.00E-02	7.46E+01	9.70E-01	-2.20E-02	0.00E+00
0.00E+00	7.41E+01	1.09E+00	-1.71E-02	0.00E+00
2.00E-02	7.39E+01	1.03E+00	2.44E-03	0.00E+00
4.00E-02	7.42E+01	9.40E-01	-2.20E-02	0.00E+00
6.00E-02	7.41E+01	1.02E+00	7.32E-03	0.00E+00
8.00E-02	7.35E+01	9.70E-01	-1.10E-02	0.00E+00
1.00E-01	7.36E+01	9.70E-01	-2.20E-02	0.00E+00
1.20E-01	7.36E+01	8.79E-01	-7.32E-03	0.00E+00
1.40E-01	7.32E+01	1.00E+00	-1.71E-02	0.00E+00
1.60E-01	7.30E+01	1.08E+00	-2.20E-02	0.00E+00
1.80E-01	7.28E+01	1.34E+00	-1.22E-03	0.00E+00
2.00E-01	7.28E+01	1.00E+00	-1.95E-02	0.00E+00
2.20E-01	7.25E+01	1.09E+00	-7.32E-03	0.00E+00
2.40E-01	7.24E+01	9.70E-01	-2.20E-02	0.00E+00
2.60E-01	7.22E+01	1.12E+00	-1.83E-02	0.00E+00
2.80E-01	7.19E+01	9.40E-01	-4.88E-03	0.00E+00
3.00E-01	7.18E+01	9.70E-01	-2.69E-02	0.00E+00
3.20E-01	7.18E+01	1.15E+00	2.44E-03	0.00E+00
3.40E-01	7.15E+01	1.00E+00	-8.54E-03	0.00E+00
3.60E-01	7.12E+01	1.00E+00	-1.71E-02	0.00E+00
3.80E-01	7.12E+01	9.40E-01	-3.17E-02	0.00E+00
4.00E-01	7.13E+01	1.18E+00	-2.56E-02	0.00E+00
4.20E-01	7.11E+01	9.09E-01	-1.22E-02	0.00E+00
4.40E-01	7.06E+01	9.86E-01	-4.88E-03	0.00E+00
4.60E-01	7.05E+01	1.06E+00	-1.22E-02	0.00E+00
4.80E-01	7.05E+01	9.40E-01	-1.83E-02	0.00E+00

5.00E-01	7.02E+01	1.15E+00	-2.20E-02	0.00E+00
5.20E-01	6.97E+01	1.00E+00	-7.32E-03	0.00E+00
5.40E-01	7.00E+01	7.26E-01	-2.44E-02	0.00E+00
5.60E-01	6.96E+01	1.23E+00	-1.10E-02	0.00E+00
5.80E-01	6.90E+01	9.70E-01	-1.22E-02	0.00E+00
6.00E-01	6.94E+01	1.09E+00	-2.20E-02	0.00E+00
6.20E-01	6.88E+01	1.03E+00	-7.32E-03	0.00E+00
6.40E-01	6.85E+01	1.11E+00	-1.71E-02	0.00E+00
6.60E-01	6.83E+01	1.15E+00	-1.71E-02	0.00E+00
6.80E-01	6.83E+01	1.22E+00	-1.46E-02	0.00E+00
7.00E-01	6.78E+01	1.43E+00	-8.54E-03	0.00E+00
7.20E-01	6.77E+01	9.70E-01	-1.46E-02	0.00E+00
7.40E-01	6.78E+01	9.86E-01	-1.10E-02	0.00E+00
7.60E-01	6.71E+01	1.00E+00	-6.10E-03	0.00E+00
7.80E-01	6.71E+01	8.94E-01	-2.93E-02	0.00E+00
8.00E-01	6.71E+01	1.03E+00	-1.46E-02	0.00E+00
8.20E-01	6.68E+01	9.40E-01	-1.95E-02	0.00E+00
8.40E-01	6.66E+01	1.02E+00	-2.93E-02	0.00E+00
8.60E-01	6.66E+01	1.00E+00	-1.71E-02	0.00E+00
8.80E-01	6.64E+01	1.08E+00	0.00E+00	0.00E+00
9.00E-01	6.60E+01	1.12E+00	-1.95E-02	0.00E+00
9.20E-01	6.60E+01	9.40E-01	-2.69E-02	0.00E+00
9.40E-01	6.58E+01	1.08E+00	-1.10E-02	0.00E+00
9.60E-01	6.54E+01	1.09E+00	-1.46E-02	0.00E+00
9.80E-01	6.54E+01	1.00E+00	-2.44E-03	0.00E+00
1.00E+00	6.50E+01	9.40E-01	-9.77E-03	0.00E+00
1.02E+00	6.49E+01	9.70E-01	-5.13E-02	0.00E+00
1.04E+00	6.49E+01	9.70E-01	-3.17E-02	0.00E+00
1.06E+00	6.46E+01	9.25E-01	-2.20E-02	0.00E+00
1.08E+00	6.43E+01	1.31E+00	-9.77E-03	0.00E+00
1.10E+00	6.42E+01	8.79E-01	-1.34E-02	0.00E+00
1.12E+00	6.40E+01	9.70E-01	-2.20E-02	0.00E+00
1.14E+00	6.37E+01	9.40E-01	-7.32E-03	0.00E+00
1.16E+00	6.37E+01	1.06E+00	-2.32E-02	0.00E+00
1.18E+00	6.34E+01	1.11E+00	-1.46E-02	0.00E+00
1.20E+00	6.31E+01	1.03E+00	-2.44E-03	0.00E+00
1.22E+00	6.31E+01	9.09E-01	-1.71E-02	0.00E+00
1.24E+00	6.28E+01	9.25E-01	-1.22E-02	0.00E+00
1.26E+00	6.25E+01	8.18E-01	-9.77E-03	0.00E+00
1.28E+00	6.25E+01	1.11E+00	-1.22E-02	0.00E+00
1.30E+00	6.21E+01	9.40E-01	-3.17E-02	0.00E+00
1.32E+00	6.19E+01	1.06E+00	-4.88E-03	0.00E+00
1.34E+00	6.18E+01	9.40E-01	-1.46E-02	0.00E+00
1.36E+00	6.17E+01	1.09E+00	-1.95E-02	0.00E+00
1.38E+00	6.12E+01	9.40E-01	-2.44E-03	0.00E+00
1.40E+00	6.13E+01	1.02E+00	-4.15E-02	0.00E+00
1.42E+00	6.10E+01	1.12E+00	-1.46E-02	0.00E+00

1.44E+00	6.07E+01	9.40E-01	-4.15E-02	0.00E+00
1.46E+00	6.08E+01	1.08E+00	-1.71E-02	0.00E+00
1.48E+00	6.02E+01	1.03E+00	7.32E-03	0.00E+00
1.50E+00	6.02E+01	1.00E+00	-1.71E-02	0.00E+00
1.52E+00	6.01E+01	1.12E+00	-1.22E-02	0.00E+00
1.54E+00	5.96E+01	8.79E-01	-3.54E-02	0.00E+00
1.56E+00	5.95E+01	1.06E+00	-1.71E-02	0.00E+00
1.58E+00	5.95E+01	8.79E-01	-1.71E-02	0.00E+00
1.60E+00	5.91E+01	1.12E+00	-1.46E-02	0.00E+00
1.62E+00	5.90E+01	7.41E-01	-1.95E-02	0.00E+00
1.64E+00	5.88E+01	8.18E-01	-2.20E-02	0.00E+00
1.66E+00	5.84E+01	1.06E+00	-8.54E-03	0.00E+00
1.68E+00	5.85E+01	8.94E-01	-1.71E-02	0.00E+00
1.70E+00	5.81E+01	1.06E+00	-1.83E-02	0.00E+00
1.72E+00	5.79E+01	1.26E+00	-1.22E-02	0.00E+00
1.74E+00	5.79E+01	1.18E+00	-1.34E-02	0.00E+00
1.76E+00	5.74E+01	1.03E+00	-1.59E-02	0.00E+00
1.78E+00	5.73E+01	1.06E+00	-1.95E-02	0.00E+00
1.80E+00	5.73E+01	1.15E+00	-1.71E-02	0.00E+00
1.82E+00	5.67E+01	8.79E-01	-2.44E-02	0.00E+00
1.84E+00	5.68E+01	1.22E+00	-1.22E-02	0.00E+00
1.86E+00	5.63E+01	1.00E+00	-2.44E-02	0.00E+00
1.88E+00	5.62E+01	1.08E+00	-2.69E-02	0.00E+00
1.90E+00	5.61E+01	1.05E+00	-1.71E-02	0.00E+00
1.92E+00	5.57E+01	1.03E+00	-1.59E-02	0.00E+00
1.94E+00	5.56E+01	1.06E+00	-2.69E-02	0.00E+00
1.96E+00	5.55E+01	1.05E+00	-9.77E-03	0.00E+00
1.98E+00	5.49E+01	1.05E+00	-1.22E-02	0.00E+00
2.00E+00	5.49E+01	1.11E+00	-1.71E-02	0.00E+00
2.02E+00	5.46E+01	1.06E+00	-2.20E-02	0.00E+00
2.04E+00	5.44E+01	9.09E-01	-1.34E-02	0.00E+00
2.06E+00	5.44E+01	1.06E+00	0.00E+00	0.00E+00
2.08E+00	5.37E+01	9.70E-01	-3.78E-02	0.00E+00
2.10E+00	5.36E+01	9.09E-01	-1.95E-02	0.00E+00
2.12E+00	5.36E+01	9.40E-01	-7.32E-03	0.00E+00
2.14E+00	5.32E+01	8.94E-01	-1.83E-02	0.00E+00
2.16E+00	5.32E+01	9.86E-01	-1.59E-02	0.00E+00
2.18E+00	5.26E+01	9.25E-01	-1.46E-02	0.00E+00
2.20E+00	5.27E+01	1.46E+00	-1.46E-02	0.00E+00
2.22E+00	5.23E+01	8.79E-01	-1.34E-02	0.00E+00
2.24E+00	5.21E+01	1.12E+00	-2.20E-02	0.00E+00
2.26E+00	5.20E+01	8.94E-01	-4.88E-03	0.00E+00
2.28E+00	5.17E+01	9.86E-01	-2.69E-02	0.00E+00
2.30E+00	5.15E+01	8.79E-01	-1.59E-02	0.00E+00
2.32E+00	5.14E+01	1.20E+00	-1.46E-02	0.00E+00
2.34E+00	5.10E+01	1.18E+00	-2.69E-02	0.00E+00
2.36E+00	5.08E+01	7.56E-01	-4.88E-03	0.00E+00

2.38E+00	5.07E+01	8.48E-01	-2.20E-02	0.00E+00
2.40E+00	5.04E+01	1.11E+00	-1.46E-02	0.00E+00
2.42E+00	5.03E+01	8.63E-01	-3.42E-02	0.00E+00
2.44E+00	5.02E+01	1.00E+00	-2.44E-03	0.00E+00
2.46E+00	4.98E+01	8.79E-01	-1.95E-02	0.00E+00
2.48E+00	4.97E+01	9.86E-01	-3.17E-02	0.00E+00
2.50E+00	4.91E+01	8.02E-01	-1.71E-02	0.00E+00
2.52E+00	4.92E+01	9.09E-01	-9.77E-03	0.00E+00
2.54E+00	4.88E+01	1.05E+00	-2.08E-02	0.00E+00
2.56E+00	4.87E+01	9.09E-01	-2.20E-02	0.00E+00
2.58E+00	4.85E+01	9.70E-01	-2.81E-02	0.00E+00
2.60E+00	4.78E+01	9.40E-01	-4.88E-03	0.00E+00
2.62E+00	4.79E+01	1.06E+00	-1.95E-02	0.00E+00
2.64E+00	4.79E+01	1.03E+00	-3.66E-03	0.00E+00
2.66E+00	4.75E+01	9.40E-01	-1.95E-02	0.00E+00
2.68E+00	4.74E+01	1.09E+00	-1.22E-02	0.00E+00
2.70E+00	4.71E+01	9.86E-01	-1.71E-02	0.00E+00
2.72E+00	4.69E+01	9.86E-01	-1.10E-02	0.00E+00
2.74E+00	4.68E+01	1.15E+00	-1.46E-02	0.00E+00
2.76E+00	4.63E+01	1.22E+00	-1.95E-02	0.00E+00
2.78E+00	4.63E+01	1.40E+00	-9.77E-03	0.00E+00
2.80E+00	4.59E+01	9.09E-01	-2.56E-02	0.00E+00
2.82E+00	4.57E+01	9.09E-01	-1.95E-02	0.00E+00
2.84E+00	4.55E+01	1.03E+00	-1.95E-02	0.00E+00
2.86E+00	4.51E+01	1.09E+00	-9.77E-03	0.00E+00
2.88E+00	4.50E+01	8.79E-01	-3.42E-02	0.00E+00
2.90E+00	4.46E+01	9.40E-01	-2.32E-02	0.00E+00
2.92E+00	4.45E+01	9.70E-01	-1.71E-02	0.00E+00
2.94E+00	4.41E+01	1.11E+00	-1.83E-02	0.00E+00
2.96E+00	4.40E+01	1.06E+00	-2.93E-02	0.00E+00
2.98E+00	4.38E+01	8.18E-01	-1.46E-02	0.00E+00
3.00E+00	4.34E+01	1.09E+00	-3.17E-02	0.00E+00
3.02E+00	4.32E+01	8.48E-01	-2.44E-02	0.00E+00
3.04E+00	4.29E+01	1.06E+00	-1.22E-02	0.00E+00
3.06E+00	4.28E+01	1.06E+00	-8.54E-03	0.00E+00
3.08E+00	4.25E+01	1.00E+00	-1.71E-02	0.00E+00
3.10E+00	4.22E+01	9.70E-01	1.22E-02	0.00E+00
3.12E+00	4.22E+01	1.05E+00	-2.44E-02	0.00E+00
3.14E+00	4.17E+01	1.12E+00	-8.54E-03	0.00E+00
3.16E+00	4.16E+01	9.09E-01	-2.32E-02	0.00E+00
3.18E+00	4.11E+01	1.09E+00	-1.22E-02	0.00E+00
3.20E+00	4.10E+01	8.48E-01	-1.95E-02	0.00E+00
3.22E+00	4.08E+01	1.14E+00	-1.22E-02	0.00E+00
3.24E+00	4.04E+01	1.25E+00	-6.10E-03	0.00E+00
3.26E+00	4.03E+01	1.00E+00	-1.95E-02	0.00E+00
3.28E+00	4.00E+01	9.09E-01	-3.66E-03	0.00E+00
3.30E+00	3.96E+01	9.40E-01	-2.93E-02	0.00E+00

3.32E+00	3.96E+01	1.00E+00	-4.88E-03	0.00E+00
3.34E+00	3.93E+01	9.55E-01	-4.88E-03	0.00E+00
3.36E+00	3.91E+01	1.00E+00	-1.22E-02	0.00E+00
3.38E+00	3.86E+01	1.02E+00	-1.71E-02	0.00E+00
3.40E+00	3.87E+01	9.09E-01	-1.10E-02	0.00E+00
3.42E+00	3.82E+01	1.06E+00	-1.71E-02	0.00E+00
3.44E+00	3.79E+01	9.40E-01	0.00E+00	0.00E+00
3.46E+00	3.77E+01	8.94E-01	-1.46E-02	0.00E+00
3.48E+00	3.71E+01	9.55E-01	-1.59E-02	0.00E+00
3.50E+00	3.74E+01	1.06E+00	-4.39E-02	0.00E+00
3.52E+00	3.68E+01	9.09E-01	-2.81E-02	0.00E+00
3.54E+00	3.68E+01	1.06E+00	-2.56E-02	0.00E+00
3.56E+00	3.64E+01	1.06E+00	-9.77E-03	0.00E+00
3.58E+00	3.63E+01	8.79E-01	-2.20E-02	0.00E+00
3.60E+00	3.58E+01	1.11E+00	-1.22E-02	0.00E+00
3.62E+00	3.58E+01	9.09E-01	-1.71E-02	0.00E+00
3.64E+00	3.54E+01	9.09E-01	-1.22E-02	0.00E+00
3.66E+00	3.51E+01	1.15E+00	-1.46E-02	0.00E+00
3.68E+00	3.48E+01	9.25E-01	-1.95E-02	0.00E+00
3.70E+00	3.46E+01	8.18E-01	-1.71E-02	0.00E+00
3.72E+00	3.43E+01	1.00E+00	-1.95E-02	0.00E+00
3.74E+00	3.40E+01	8.79E-01	-1.22E-02	0.00E+00
3.76E+00	3.38E+01	1.40E+00	-2.08E-02	0.00E+00
3.78E+00	3.35E+01	1.09E+00	-1.46E-02	0.00E+00
3.80E+00	3.33E+01	1.23E+00	-1.71E-02	0.00E+00
3.82E+00	3.29E+01	1.09E+00	-2.08E-02	0.00E+00
3.84E+00	3.26E+01	9.09E-01	-2.44E-02	0.00E+00
3.86E+00	3.24E+01	1.00E+00	-2.20E-02	0.00E+00
3.88E+00	3.20E+01	1.00E+00	-1.83E-02	0.00E+00
3.90E+00	3.19E+01	1.03E+00	-2.69E-02	0.00E+00
3.92E+00	3.15E+01	1.02E+00	-7.32E-03	0.00E+00
3.94E+00	3.13E+01	1.03E+00	-3.66E-02	0.00E+00
3.96E+00	3.09E+01	9.70E-01	-4.88E-03	0.00E+00
3.98E+00	3.05E+01	9.70E-01	-2.69E-02	0.00E+00
4.00E+00	3.04E+01	1.17E+00	-1.71E-02	0.00E+00
4.02E+00	2.99E+01	9.70E-01	-3.17E-02	0.00E+00
4.04E+00	2.97E+01	1.06E+00	-3.42E-02	0.00E+00
4.06E+00	2.94E+01	9.70E-01	-1.71E-02	0.00E+00
4.08E+00	2.94E+01	1.12E+00	-3.17E-02	0.00E+00
4.10E+00	2.90E+01	1.12E+00	-1.22E-03	0.00E+00
4.12E+00	2.88E+01	9.55E-01	-2.32E-02	0.00E+00
4.14E+00	2.83E+01	9.70E-01	-1.59E-02	0.00E+00
4.16E+00	2.81E+01	8.48E-01	-2.20E-02	0.00E+00
4.18E+00	2.77E+01	1.20E+00	-1.22E-02	0.00E+00
4.20E+00	2.74E+01	8.18E-01	-2.69E-02	0.00E+00
4.22E+00	2.71E+01	8.94E-01	-1.95E-02	0.00E+00
4.24E+00	2.67E+01	8.02E-01	-7.32E-03	0.00E+00

4.26E+00	2.65E+01	1.11E+00	-1.95E-02	0.00E+00
4.28E+00	2.60E+01	1.17E+00	-7.32E-03	0.00E+00
4.30E+00	2.59E+01	9.25E-01	-1.95E-02	0.00E+00
4.32E+00	2.54E+01	1.32E+00	-1.46E-02	0.00E+00
4.34E+00	2.53E+01	7.26E-01	-1.59E-02	0.00E+00
4.36E+00	2.49E+01	1.09E+00	-2.08E-02	0.00E+00
4.38E+00	2.48E+01	1.26E+00	-1.22E-02	0.00E+00
4.40E+00	2.43E+01	1.18E+00	-1.22E-02	0.00E+00
4.42E+00	2.42E+01	1.12E+00	-2.20E-02	0.00E+00
4.44E+00	2.37E+01	9.70E-01	-1.95E-02	0.00E+00
4.46E+00	2.38E+01	1.09E+00	-1.46E-02	0.00E+00
4.48E+00	2.35E+01	1.06E+00	-2.20E-02	0.00E+00
4.50E+00	2.31E+01	1.12E+00	-2.56E-02	0.00E+00
4.52E+00	2.27E+01	1.02E+00	-3.42E-02	0.00E+00
4.54E+00	2.24E+01	9.25E-01	-2.08E-02	0.00E+00
4.56E+00	2.25E+01	1.11E+00	-1.95E-02	0.00E+00
4.58E+00	2.20E+01	9.40E-01	-1.95E-02	0.00E+00
4.60E+00	2.19E+01	1.02E+00	-1.46E-02	0.00E+00
4.62E+00	2.15E+01	1.03E+00	1.22E-02	0.00E+00
4.64E+00	2.15E+01	1.08E+00	-1.46E-02	0.00E+00
4.66E+00	2.07E+01	8.79E-01	-3.91E-02	0.00E+00
4.68E+00	2.08E+01	1.12E+00	-1.95E-02	0.00E+00
4.70E+00	2.01E+01	1.09E+00	-3.66E-03	0.00E+00
4.72E+00	2.02E+01	8.33E-01	-2.44E-02	0.00E+00
4.74E+00	1.96E+01	1.12E+00	-1.83E-02	0.00E+00
4.76E+00	1.92E+01	6.95E-01	-1.46E-02	0.00E+00
4.78E+00	1.91E+01	1.08E+00	-1.71E-02	0.00E+00
4.80E+00	1.88E+01	9.70E-01	-9.77E-03	0.00E+00
4.82E+00	1.84E+01	8.79E-01	-1.71E-02	0.00E+00
4.84E+00	1.84E+01	1.00E+00	-2.20E-02	0.00E+00
4.86E+00	1.78E+01	6.95E-01	-2.69E-02	0.00E+00
4.88E+00	1.78E+01	1.06E+00	-2.56E-02	0.00E+00
4.90E+00	1.72E+01	1.32E+00	0.00E+00	0.00E+00
4.92E+00	1.72E+01	9.09E-01	-3.66E-02	0.00E+00
4.94E+00	1.66E+01	1.06E+00	-1.22E-02	0.00E+00
4.96E+00	1.67E+01	9.40E-01	-4.88E-03	0.00E+00
4.98E+00	1.61E+01	1.03E+00	-2.08E-02	0.00E+00
5.00E+00	1.62E+01	9.70E-01	-1.34E-02	0.00E+00
5.02E+00	1.56E+01	9.09E-01	-3.91E-02	0.00E+00
5.04E+00	1.54E+01	1.03E+00	-1.46E-02	0.00E+00
5.06E+00	1.50E+01	1.00E+00	-9.77E-03	0.00E+00
5.08E+00	1.50E+01	1.15E+00	-4.03E-02	0.00E+00
5.10E+00	1.46E+01	9.70E-01	-1.95E-02	0.00E+00
5.12E+00	1.43E+01	1.14E+00	-2.44E-02	0.00E+00
5.14E+00	1.40E+01	8.79E-01	1.95E-02	0.00E+00
5.16E+00	1.38E+01	1.28E+00	-1.95E-02	0.00E+00
5.18E+00	1.36E+01	1.08E+00	-1.10E-02	0.00E+00

5.20E+00	1.32E+01	9.40E-01	-2.44E-02	0.00E+00
5.22E+00	1.32E+01	1.00E+00	-8.54E-03	0.00E+00
5.24E+00	1.26E+01	1.00E+00	-1.95E-02	0.00E+00
5.26E+00	1.26E+01	1.12E+00	-1.95E-02	0.00E+00
5.28E+00	1.19E+01	1.06E+00	-7.32E-03	0.00E+00
5.30E+00	1.20E+01	7.26E-01	-2.69E-02	0.00E+00
5.32E+00	1.15E+01	1.31E+00	-7.32E-03	0.00E+00
5.34E+00	1.14E+01	9.70E-01	-1.71E-02	0.00E+00
5.36E+00	1.11E+01	1.03E+00	-2.44E-02	0.00E+00
5.38E+00	1.08E+01	1.20E+00	-4.88E-03	0.00E+00
5.40E+00	1.06E+01	9.70E-01	-9.77E-03	0.00E+00
5.42E+00	1.03E+01	1.03E+00	0.00E+00	0.00E+00
5.44E+00	9.88E+00	8.48E-01	-2.93E-02	0.00E+00
5.46E+00	9.62E+00	1.12E+00	-2.20E-02	0.00E+00
5.48E+00	9.48E+00	9.70E-01	-2.44E-03	0.00E+00
5.50E+00	8.96E+00	9.70E-01	-2.20E-02	0.00E+00
5.52E+00	9.13E+00	1.18E+00	-2.69E-02	0.00E+00
5.54E+00	9.18E+00	9.70E-01	-1.46E-02	0.00E+00
5.56E+00	9.07E+00	1.17E+00	-1.59E-02	0.00E+00
5.58E+00	9.09E+00	1.00E+00	-4.88E-03	0.00E+00
5.60E+00	9.02E+00	8.48E-01	-2.69E-02	0.00E+00
5.62E+00	9.12E+00	1.00E+00	-1.59E-02	0.00E+00
5.64E+00	9.39E+00	1.03E+00	-1.22E-02	0.00E+00
5.66E+00	9.71E+00	1.06E+00	-2.69E-02	0.00E+00
5.68E+00	9.93E+00	1.00E+00	-9.77E-03	0.00E+00
5.70E+00	1.02E+01	8.18E-01	-1.95E-02	0.00E+00
5.72E+00	1.06E+01	7.56E-01	-1.46E-02	0.00E+00
5.74E+00	1.05E+01	7.87E-01	-1.22E-02	0.00E+00
5.76E+00	1.14E+01	1.22E+00	-1.83E-02	0.00E+00
5.78E+00	1.17E+01	1.25E+00	-8.54E-03	0.00E+00
5.80E+00	1.21E+01	1.03E+00	-1.22E-02	0.00E+00
5.82E+00	1.26E+01	1.40E+00	-2.20E-02	0.00E+00
5.84E+00	1.26E+01	8.79E-01	-1.46E-02	0.00E+00
5.86E+00	1.29E+01	1.00E+00	-3.05E-02	0.00E+00
5.88E+00	1.32E+01	1.15E+00	-9.77E-03	0.00E+00
5.90E+00	1.32E+01	9.25E-01	-1.95E-02	0.00E+00
5.92E+00	1.35E+01	1.15E+00	-7.32E-03	0.00E+00
5.94E+00	1.37E+01	9.09E-01	-1.95E-02	0.00E+00
5.96E+00	1.37E+01	9.70E-01	-7.32E-03	0.00E+00
5.98E+00	1.31E+01	1.12E+00	-2.32E-02	0.00E+00
6.00E+00	1.32E+01	8.18E-01	-2.44E-02	0.00E+00
6.02E+00	1.31E+01	9.70E-01	-2.08E-02	0.00E+00
6.04E+00	1.29E+01	1.03E+00	9.77E-03	0.00E+00
6.06E+00	1.30E+01	1.06E+00	-4.88E-03	0.00E+00
6.08E+00	1.25E+01	8.94E-01	-1.71E-02	0.00E+00
6.10E+00	1.24E+01	1.02E+00	-3.42E-02	0.00E+00
6.12E+00	1.25E+01	1.22E+00	-2.20E-02	0.00E+00

6.14E+00	1.23E+01	1.03E+00	-9.77E-03	0.00E+00
6.16E+00	1.22E+01	1.12E+00	-1.22E-02	0.00E+00
6.18E+00	1.22E+01	1.17E+00	-1.71E-02	0.00E+00
6.20E+00	1.22E+01	9.70E-01	-1.22E-02	0.00E+00
6.22E+00	1.22E+01	1.06E+00	-1.71E-02	0.00E+00
6.24E+00	1.24E+01	1.09E+00	-6.10E-03	0.00E+00
6.26E+00	1.25E+01	9.40E-01	-2.32E-02	0.00E+00
6.28E+00	1.27E+01	1.29E+00	-1.46E-02	0.00E+00
6.30E+00	1.26E+01	1.11E+00	-8.54E-03	0.00E+00
6.32E+00	1.27E+01	1.00E+00	-2.20E-02	0.00E+00
6.34E+00	1.29E+01	1.34E+00	-2.44E-03	0.00E+00
6.36E+00	1.28E+01	7.87E-01	-2.93E-02	0.00E+00
6.38E+00	1.27E+01	1.06E+00	-1.95E-02	0.00E+00
6.40E+00	1.26E+01	9.09E-01	-9.77E-03	0.00E+00
6.42E+00	1.27E+01	9.86E-01	-3.54E-02	0.00E+00
6.44E+00	1.27E+01	1.12E+00	2.44E-03	0.00E+00
6.46E+00	1.31E+01	9.70E-01	-9.77E-03	0.00E+00
6.48E+00	1.31E+01	1.08E+00	-2.44E-02	0.00E+00
6.50E+00	1.29E+01	9.25E-01	-6.10E-03	0.00E+00
6.52E+00	1.32E+01	1.02E+00	-1.46E-02	0.00E+00
6.54E+00	1.31E+01	1.03E+00	-1.22E-02	0.00E+00
6.56E+00	1.31E+01	9.55E-01	-1.71E-02	0.00E+00
6.58E+00	1.32E+01	1.15E+00	8.54E-03	0.00E+00
6.60E+00	1.29E+01	9.55E-01	-1.71E-02	0.00E+00
6.62E+00	1.30E+01	1.14E+00	-4.88E-03	0.00E+00
6.64E+00	1.29E+01	1.11E+00	-2.93E-02	0.00E+00
6.66E+00	1.29E+01	8.63E-01	-2.69E-02	0.00E+00
6.68E+00	1.30E+01	1.12E+00	9.77E-03	0.00E+00
6.70E+00	1.30E+01	9.40E-01	-1.22E-02	0.00E+00
6.72E+00	1.31E+01	1.02E+00	-1.95E-02	0.00E+00
6.74E+00	1.29E+01	7.87E-01	-9.77E-03	0.00E+00
6.76E+00	1.30E+01	7.87E-01	-1.95E-02	0.00E+00
6.78E+00	1.30E+01	8.79E-01	-1.22E-02	0.00E+00
6.80E+00	1.30E+01	1.06E+00	-1.95E-02	0.00E+00
6.82E+00	1.30E+01	1.00E+00	-8.54E-03	0.00E+00
6.84E+00	1.30E+01	1.06E+00	-1.22E-02	0.00E+00
6.86E+00	1.30E+01	1.03E+00	-2.81E-02	0.00E+00
6.88E+00	1.29E+01	9.09E-01	-4.88E-03	0.00E+00
6.90E+00	1.30E+01	8.79E-01	-2.32E-02	0.00E+00
6.92E+00	1.30E+01	8.63E-01	-1.95E-02	0.00E+00
6.94E+00	1.30E+01	1.20E+00	-9.77E-03	0.00E+00
6.96E+00	1.31E+01	1.15E+00	-1.46E-02	0.00E+00
6.98E+00	1.29E+01	9.40E-01	-1.95E-02	0.00E+00
7.00E+00	1.30E+01	9.09E-01	-2.93E-02	0.00E+00
7.02E+00	1.30E+01	1.14E+00	-2.81E-02	0.00E+00
7.04E+00	1.30E+01	9.70E-01	-1.34E-02	0.00E+00
7.06E+00	1.30E+01	1.00E+00	-1.46E-02	0.00E+00

7.08E+00	1.30E+01	1.02E+00	-3.66E-03	0.00E+00
7.10E+00	1.30E+01	1.02E+00	-2.69E-02	0.00E+00
7.12E+00	1.30E+01	1.05E+00	-7.32E-03	0.00E+00
7.14E+00	1.30E+01	1.00E+00	-1.46E-02	0.00E+00
7.16E+00	1.29E+01	1.06E+00	-1.95E-02	0.00E+00
7.18E+00	1.28E+01	9.40E-01	-1.95E-02	0.00E+00
7.20E+00	1.30E+01	9.86E-01	-1.34E-02	0.00E+00
7.22E+00	1.30E+01	9.25E-01	-1.46E-02	0.00E+00
7.24E+00	1.32E+01	1.00E+00	-2.20E-02	0.00E+00
7.26E+00	1.30E+01	1.03E+00	-9.77E-03	0.00E+00
7.28E+00	1.30E+01	1.03E+00	-1.34E-02	0.00E+00
7.30E+00	1.31E+01	1.12E+00	-2.44E-02	0.00E+00
7.32E+00	1.29E+01	9.55E-01	-9.77E-03	0.00E+00
7.34E+00	1.30E+01	1.05E+00	-2.20E-02	0.00E+00
7.36E+00	1.30E+01	1.25E+00	-1.34E-02	0.00E+00
7.38E+00	1.29E+01	9.70E-01	-2.56E-02	0.00E+00
7.40E+00	1.27E+01	1.06E+00	-9.77E-03	0.00E+00
7.42E+00	1.26E+01	9.09E-01	-1.83E-02	0.00E+00
7.44E+00	1.26E+01	9.70E-01	-2.69E-02	0.00E+00
7.46E+00	1.23E+01	1.12E+00	-7.32E-03	0.00E+00
7.48E+00	1.22E+01	9.70E-01	-3.17E-02	0.00E+00
7.50E+00	1.25E+01	8.18E-01	-1.71E-02	0.00E+00
7.52E+00	1.24E+01	1.00E+00	-8.54E-03	0.00E+00
7.54E+00	1.21E+01	1.05E+00	-3.30E-02	0.00E+00
7.56E+00	1.20E+01	9.70E-01	-2.44E-02	0.00E+00
7.58E+00	1.20E+01	9.40E-01	-1.22E-02	0.00E+00
7.60E+00	1.20E+01	1.12E+00	-4.88E-03	0.00E+00
7.62E+00	1.13E+01	9.25E-01	-3.30E-02	0.00E+00
7.64E+00	1.11E+01	1.03E+00	-2.44E-02	0.00E+00
7.66E+00	1.14E+01	1.06E+00	-2.44E-02	0.00E+00
7.68E+00	1.12E+01	1.05E+00	-1.59E-02	0.00E+00
7.70E+00	1.05E+01	1.18E+00	-1.22E-02	0.00E+00
7.72E+00	1.06E+01	1.03E+00	-1.59E-02	0.00E+00
7.74E+00	1.07E+01	9.70E-01	-3.66E-02	0.00E+00
7.76E+00	1.03E+01	1.12E+00	-9.77E-03	0.00E+00
7.78E+00	1.01E+01	1.00E+00	-2.20E-02	0.00E+00
7.80E+00	1.02E+01	1.06E+00	-1.95E-02	0.00E+00
7.82E+00	1.01E+01	9.40E-01	-1.22E-02	0.00E+00
7.84E+00	9.77E+00	1.12E+00	-1.71E-02	0.00E+00
7.86E+00	9.63E+00	1.29E+00	-9.77E-03	0.00E+00
7.88E+00	9.71E+00	1.06E+00	-2.32E-02	0.00E+00
7.90E+00	9.66E+00	9.86E-01	-7.32E-03	0.00E+00
7.92E+00	9.65E+00	7.26E-01	-2.08E-02	0.00E+00
7.94E+00	9.68E+00	1.03E+00	-1.95E-02	0.00E+00
7.96E+00	9.68E+00	1.31E+00	-1.22E-02	0.00E+00
7.98E+00	9.66E+00	1.37E+00	-2.44E-02	0.00E+00
8.00E+00	1.03E+01	1.06E+00	-6.10E-03	0.00E+00

8.02E+00	1.00E+01	7.72E-01	-1.34E-02	0.00E+00
8.04E+00	1.06E+01	1.02E+00	-2.08E-02	0.00E+00
8.06E+00	1.05E+01	9.09E-01	-3.66E-03	0.00E+00
8.08E+00	1.12E+01	1.11E+00	-3.42E-02	0.00E+00
8.10E+00	1.11E+01	1.05E+00	-6.10E-03	0.00E+00
8.12E+00	1.20E+01	9.86E-01	-1.22E-02	0.00E+00
8.14E+00	1.21E+01	1.15E+00	-4.88E-03	0.00E+00
8.16E+00	1.21E+01	8.33E-01	-1.95E-02	0.00E+00
8.18E+00	1.28E+01	1.06E+00	-3.42E-02	0.00E+00
8.20E+00	1.29E+01	9.55E-01	-4.88E-03	0.00E+00
8.22E+00	1.30E+01	8.48E-01	-2.56E-02	0.00E+00
8.24E+00	1.32E+01	1.15E+00	9.77E-03	0.00E+00
8.26E+00	1.33E+01	1.03E+00	-1.46E-02	0.00E+00
8.28E+00	1.33E+01	1.09E+00	-2.32E-02	0.00E+00
8.30E+00	1.32E+01	8.63E-01	-1.22E-02	0.00E+00
8.32E+00	1.32E+01	1.12E+00	-1.71E-02	0.00E+00
8.34E+00	1.32E+01	1.00E+00	-9.77E-03	0.00E+00
8.36E+00	1.31E+01	1.00E+00	-2.44E-02	0.00E+00
8.38E+00	1.28E+01	1.25E+00	-6.10E-03	0.00E+00
8.40E+00	1.28E+01	1.00E+00	-1.71E-02	0.00E+00
8.42E+00	1.28E+01	8.79E-01	-2.69E-02	0.00E+00
8.44E+00	1.26E+01	1.22E+00	-3.66E-03	0.00E+00
8.46E+00	1.22E+01	9.70E-01	-2.81E-02	0.00E+00
8.48E+00	1.21E+01	8.79E-01	-9.77E-03	0.00E+00
8.50E+00	1.20E+01	7.87E-01	-1.46E-02	0.00E+00
8.52E+00	1.21E+01	1.03E+00	-1.46E-02	0.00E+00
8.54E+00	1.20E+01	1.02E+00	1.22E-03	0.00E+00
8.56E+00	1.22E+01	9.70E-01	-3.17E-02	0.00E+00
8.58E+00	1.26E+01	1.18E+00	-2.44E-03	0.00E+00
8.60E+00	1.26E+01	9.40E-01	-2.93E-02	0.00E+00
8.62E+00	1.28E+01	1.15E+00	-1.95E-02	0.00E+00
8.64E+00	1.26E+01	1.15E+00	-9.77E-03	0.00E+00
8.66E+00	1.28E+01	9.40E-01	-2.44E-02	0.00E+00
8.68E+00	1.28E+01	1.06E+00	-1.34E-02	0.00E+00
8.70E+00	1.27E+01	8.79E-01	-1.46E-02	0.00E+00
8.72E+00	1.29E+01	1.08E+00	-2.08E-02	0.00E+00
8.74E+00	1.28E+01	1.03E+00	-1.10E-02	0.00E+00
8.76E+00	1.29E+01	9.70E-01	-2.44E-02	0.00E+00
8.78E+00	1.28E+01	1.25E+00	-1.34E-02	0.00E+00
8.80E+00	1.28E+01	1.06E+00	-1.83E-02	0.00E+00
8.82E+00	1.29E+01	1.06E+00	-1.95E-02	0.00E+00
8.84E+00	1.27E+01	9.86E-01	-4.88E-03	0.00E+00
8.86E+00	1.27E+01	9.70E-01	-1.71E-02	0.00E+00
8.88E+00	1.27E+01	9.70E-01	-7.32E-03	0.00E+00
8.90E+00	1.28E+01	8.79E-01	-2.44E-02	0.00E+00
8.92E+00	1.27E+01	1.00E+00	-2.56E-02	0.00E+00
8.94E+00	1.27E+01	9.09E-01	-9.77E-03	0.00E+00

8.96E+00	1.27E+01	1.03E+00	-2.69E-02	0.00E+00
8.98E+00	1.27E+01	1.09E+00	-2.44E-03	0.00E+00
9.00E+00	1.27E+01	9.40E-01	-2.20E-02	0.00E+00
9.02E+00	1.28E+01	1.09E+00	-4.88E-03	0.00E+00
9.04E+00	1.25E+01	9.55E-01	-1.95E-02	0.00E+00
9.06E+00	1.28E+01	1.18E+00	-4.88E-03	0.00E+00
9.08E+00	1.27E+01	9.86E-01	-1.22E-02	0.00E+00
9.10E+00	1.27E+01	9.09E-01	-4.03E-02	0.00E+00
9.12E+00	1.28E+01	1.25E+00	2.44E-03	0.00E+00
9.14E+00	1.28E+01	9.40E-01	-1.59E-02	0.00E+00
9.16E+00	1.27E+01	1.05E+00	-1.95E-02	0.00E+00
9.18E+00	1.25E+01	8.48E-01	-2.20E-02	0.00E+00
9.20E+00	1.27E+01	1.09E+00	-2.56E-02	0.00E+00
9.22E+00	1.27E+01	1.05E+00	-1.71E-02	0.00E+00
9.24E+00	1.26E+01	8.79E-01	-1.10E-02	0.00E+00
9.26E+00	1.28E+01	1.34E+00	-2.20E-02	0.00E+00
9.28E+00	1.26E+01	1.15E+00	-9.77E-03	0.00E+00
9.30E+00	1.27E+01	8.48E-01	-1.95E-02	0.00E+00
9.32E+00	1.28E+01	1.02E+00	-1.59E-02	0.00E+00
9.34E+00	1.27E+01	8.94E-01	-1.71E-02	0.00E+00
9.36E+00	1.28E+01	8.79E-01	-2.44E-02	0.00E+00
9.38E+00	1.27E+01	1.09E+00	-1.71E-02	0.00E+00
9.40E+00	1.27E+01	1.06E+00	-3.42E-02	0.00E+00
9.42E+00	1.27E+01	1.05E+00	-2.44E-03	0.00E+00
9.44E+00	1.27E+01	9.70E-01	-3.05E-02	0.00E+00
9.46E+00	1.27E+01	1.18E+00	-2.69E-02	0.00E+00
9.48E+00	1.27E+01	9.70E-01	-4.88E-03	0.00E+00
9.50E+00	1.29E+01	1.03E+00	-1.22E-02	0.00E+00
9.52E+00	1.27E+01	1.05E+00	-4.88E-03	0.00E+00
9.54E+00	1.29E+01	9.09E-01	-1.46E-02	0.00E+00
9.56E+00	1.27E+01	1.25E+00	2.44E-03	0.00E+00
9.58E+00	1.26E+01	9.25E-01	-1.59E-02	0.00E+00
9.60E+00	1.28E+01	1.12E+00	-2.20E-02	0.00E+00
9.62E+00	1.27E+01	9.25E-01	-4.27E-02	0.00E+00
9.64E+00	1.28E+01	1.09E+00	-2.20E-02	0.00E+00
9.66E+00	1.27E+01	9.70E-01	-1.10E-02	0.00E+00
9.68E+00	1.27E+01	1.03E+00	-1.71E-02	0.00E+00
9.70E+00	1.28E+01	1.22E+00	-1.46E-02	0.00E+00
9.72E+00	1.26E+01	8.48E-01	-1.71E-02	0.00E+00
9.74E+00	1.27E+01	1.17E+00	-2.08E-02	0.00E+00
9.76E+00	1.26E+01	9.70E-01	-1.59E-02	0.00E+00
9.78E+00	1.25E+01	9.70E-01	-2.08E-02	0.00E+00
9.80E+00	1.22E+01	1.15E+00	-7.32E-03	0.00E+00
9.82E+00	1.20E+01	7.56E-01	-1.22E-02	0.00E+00
9.84E+00	1.24E+01	1.22E+00	-2.20E-02	0.00E+00
9.86E+00	1.23E+01	1.09E+00	-8.54E-03	0.00E+00
9.88E+00	1.21E+01	1.05E+00	-3.05E-02	0.00E+00

9.90E+00	1.20E+01	1.09E+00	-3.66E-03	0.00E+00
9.92E+00	1.19E+01	8.18E-01	-2.69E-02	0.00E+00
9.94E+00	1.18E+01	1.09E+00	4.88E-03	0.00E+00
9.96E+00	1.15E+01	9.86E-01	-2.44E-02	0.00E+00
9.98E+00	1.10E+01	1.18E+00	-2.44E-03	0.00E+00
1.00E+01	1.14E+01	1.06E+00	-9.77E-03	0.00E+00
1.00E+01	1.10E+01	1.09E+00	-3.30E-02	0.00E+00
1.00E+01	1.04E+01	1.06E+00	-3.42E-02	0.00E+00
1.01E+01	1.07E+01	1.03E+00	-1.95E-02	0.00E+00
1.01E+01	1.07E+01	1.22E+00	-4.88E-03	0.00E+00
1.01E+01	1.02E+01	1.06E+00	-9.77E-03	0.00E+00
1.01E+01	9.89E+00	8.48E-01	-2.20E-02	0.00E+00
1.01E+01	1.01E+01	1.18E+00	-1.46E-02	0.00E+00
1.02E+01	9.99E+00	1.06E+00	-1.95E-02	0.00E+00
1.02E+01	9.73E+00	1.23E+00	-1.95E-02	0.00E+00
1.02E+01	9.65E+00	9.86E-01	-1.46E-02	0.00E+00
1.02E+01	9.42E+00	8.63E-01	-2.93E-02	0.00E+00
1.02E+01	9.56E+00	1.06E+00	-1.46E-02	0.00E+00
1.03E+01	9.68E+00	1.15E+00	-1.46E-02	0.00E+00
1.03E+01	9.70E+00	1.03E+00	-2.20E-02	0.00E+00
1.03E+01	9.58E+00	9.40E-01	-2.08E-02	0.00E+00
1.03E+01	9.69E+00	1.12E+00	-3.17E-02	0.00E+00
1.03E+01	9.72E+00	1.12E+00	-8.54E-03	0.00E+00
1.04E+01	9.80E+00	9.25E-01	-3.17E-02	0.00E+00
1.04E+01	9.56E+00	1.12E+00	-3.54E-02	0.00E+00
1.04E+01	9.55E+00	8.18E-01	-2.44E-02	0.00E+00
1.04E+01	9.72E+00	1.00E+00	-3.17E-02	0.00E+00
1.04E+01	9.68E+00	1.09E+00	0.00E+00	0.00E+00
1.05E+01	1.04E+01	9.40E-01	-2.32E-02	0.00E+00
1.05E+01	9.81E+00	1.15E+00	-4.27E-02	0.00E+00
1.05E+01	1.00E+01	9.70E-01	-4.88E-03	0.00E+00
1.05E+01	1.08E+01	9.70E-01	-2.44E-02	0.00E+00
1.05E+01	1.03E+01	1.02E+00	-9.77E-03	0.00E+00
1.06E+01	1.08E+01	1.09E+00	-1.59E-02	0.00E+00
1.06E+01	1.14E+01	1.09E+00	-1.59E-02	0.00E+00
1.06E+01	1.09E+01	9.70E-01	-2.20E-02	0.00E+00
1.06E+01	1.15E+01	1.09E+00	-1.46E-02	0.00E+00
1.06E+01	1.19E+01	1.02E+00	-1.22E-02	0.00E+00
1.07E+01	1.20E+01	1.00E+00	-2.32E-02	0.00E+00
1.07E+01	1.20E+01	1.18E+00	-2.44E-03	0.00E+00
1.07E+01	1.21E+01	1.06E+00	-1.95E-02	0.00E+00
1.07E+01	1.21E+01	8.18E-01	-2.69E-02	0.00E+00
1.07E+01	1.21E+01	1.05E+00	-9.77E-03	0.00E+00
1.08E+01	1.25E+01	1.12E+00	-1.46E-02	0.00E+00
1.08E+01	1.25E+01	1.06E+00	-2.93E-02	0.00E+00
1.08E+01	1.26E+01	1.00E+00	-2.69E-02	0.00E+00
1.08E+01	1.28E+01	1.20E+00	-1.46E-02	0.00E+00

1.08E+01	1.26E+01	8.63E-01	-3.66E-02	0.00E+00
1.09E+01	1.25E+01	1.02E+00	-1.95E-02	0.00E+00
1.09E+01	1.27E+01	1.03E+00	-2.93E-02	0.00E+00
1.09E+01	1.33E+01	1.06E+00	-1.34E-02	0.00E+00
1.09E+01	1.31E+01	9.86E-01	-8.54E-03	0.00E+00
1.09E+01	1.32E+01	1.03E+00	-9.77E-03	0.00E+00
1.10E+01	1.34E+01	1.14E+00	-2.44E-02	0.00E+00
1.10E+01	1.32E+01	1.09E+00	-7.32E-03	0.00E+00
1.10E+01	1.35E+01	1.14E+00	-1.83E-02	0.00E+00
1.10E+01	1.38E+01	1.18E+00	-1.71E-02	0.00E+00
1.10E+01	1.38E+01	1.34E+00	-9.77E-03	0.00E+00
1.11E+01	1.38E+01	9.86E-01	-1.95E-02	0.00E+00
1.11E+01	1.43E+01	1.15E+00	-1.95E-02	0.00E+00
1.11E+01	1.44E+01	1.12E+00	-1.22E-02	0.00E+00
1.11E+01	1.45E+01	1.31E+00	-1.71E-02	0.00E+00
1.11E+01	1.49E+01	1.25E+00	-2.44E-03	0.00E+00
1.12E+01	1.50E+01	8.79E-01	-1.46E-02	0.00E+00
1.12E+01	1.50E+01	1.00E+00	-1.95E-02	0.00E+00
1.12E+01	1.53E+01	1.06E+00	1.22E-02	0.00E+00
1.12E+01	1.55E+01	9.40E-01	-2.20E-02	0.00E+00
1.12E+01	1.55E+01	9.09E-01	-3.17E-02	0.00E+00
1.13E+01	1.55E+01	8.94E-01	-1.46E-02	0.00E+00
1.13E+01	1.59E+01	1.03E+00	-1.71E-02	0.00E+00
1.13E+01	1.60E+01	8.48E-01	-3.78E-02	0.00E+00
1.13E+01	1.60E+01	8.48E-01	-1.71E-02	0.00E+00
1.13E+01	1.61E+01	1.06E+00	-1.71E-02	0.00E+00
1.14E+01	1.59E+01	8.02E-01	-1.22E-02	0.00E+00
1.14E+01	1.67E+01	1.12E+00	-2.69E-02	0.00E+00
1.14E+01	1.67E+01	1.09E+00	-1.22E-02	0.00E+00
1.14E+01	1.67E+01	1.18E+00	-2.44E-02	0.00E+00
1.14E+01	1.68E+01	1.08E+00	-1.46E-02	0.00E+00
1.15E+01	1.72E+01	9.40E-01	-9.77E-03	0.00E+00
1.15E+01	1.74E+01	7.56E-01	-2.44E-02	0.00E+00
1.15E+01	1.74E+01	1.09E+00	-9.77E-03	0.00E+00
1.15E+01	1.79E+01	1.26E+00	-9.77E-03	0.00E+00
1.15E+01	1.78E+01	9.86E-01	-7.32E-03	0.00E+00
1.16E+01	1.81E+01	9.70E-01	-1.22E-02	0.00E+00
1.16E+01	1.84E+01	1.12E+00	-3.66E-02	0.00E+00
1.16E+01	1.82E+01	9.55E-01	-1.71E-02	0.00E+00
1.16E+01	1.90E+01	9.40E-01	-2.93E-02	0.00E+00
1.16E+01	1.90E+01	1.03E+00	-3.17E-02	0.00E+00
1.17E+01	1.88E+01	8.79E-01	-2.69E-02	0.00E+00
1.17E+01	1.93E+01	1.25E+00	-8.54E-03	0.00E+00
1.17E+01	1.94E+01	8.48E-01	-7.32E-03	0.00E+00
1.17E+01	1.94E+01	9.70E-01	-2.44E-02	0.00E+00
1.17E+01	1.95E+01	1.11E+00	-8.54E-03	0.00E+00
1.18E+01	2.01E+01	9.70E-01	-1.71E-02	0.00E+00

1.18E+01	2.02E+01	1.15E+00	-1.95E-02	0.00E+00
1.18E+01	2.01E+01	1.00E+00	-9.77E-03	0.00E+00
1.18E+01	2.05E+01	8.94E-01	-1.71E-02	0.00E+00
1.18E+01	2.07E+01	9.70E-01	-1.22E-02	0.00E+00
1.19E+01	2.07E+01	1.00E+00	-1.71E-02	0.00E+00
1.19E+01	2.10E+01	8.18E-01	-2.44E-02	0.00E+00
1.19E+01	2.12E+01	9.70E-01	-1.22E-02	0.00E+00
1.19E+01	2.14E+01	1.09E+00	-2.93E-02	0.00E+00
1.19E+01	2.19E+01	1.02E+00	-1.71E-02	0.00E+00
1.20E+01	2.18E+01	9.09E-01	-2.32E-02	0.00E+00
1.20E+01	2.22E+01	1.03E+00	0.00E+00	0.00E+00
1.20E+01	2.26E+01	1.03E+00	-2.20E-02	0.00E+00
1.20E+01	2.24E+01	9.70E-01	-3.78E-02	0.00E+00
1.20E+01	2.29E+01	1.03E+00	-7.32E-03	0.00E+00
1.21E+01	2.30E+01	9.09E-01	-1.71E-02	0.00E+00
1.21E+01	2.31E+01	1.14E+00	-1.22E-03	0.00E+00
1.21E+01	2.33E+01	8.79E-01	-3.30E-02	0.00E+00
1.21E+01	2.37E+01	1.03E+00	-2.20E-02	0.00E+00
1.21E+01	2.36E+01	9.55E-01	-1.59E-02	0.00E+00
1.22E+01	2.42E+01	1.06E+00	-2.08E-02	0.00E+00
1.22E+01	2.43E+01	9.55E-01	-1.95E-02	0.00E+00
1.22E+01	2.42E+01	1.08E+00	-1.22E-02	0.00E+00
1.22E+01	2.48E+01	8.02E-01	-1.95E-02	0.00E+00
1.22E+01	2.48E+01	1.08E+00	-1.95E-02	0.00E+00
1.23E+01	2.47E+01	7.87E-01	-1.46E-02	0.00E+00
1.23E+01	2.54E+01	9.09E-01	-2.93E-02	0.00E+00
1.23E+01	2.54E+01	9.86E-01	-1.71E-02	0.00E+00
1.23E+01	2.54E+01	9.70E-01	-7.32E-03	0.00E+00
1.23E+01	2.59E+01	1.00E+00	-9.77E-03	0.00E+00
1.24E+01	2.60E+01	8.33E-01	-9.77E-03	0.00E+00
1.24E+01	2.62E+01	1.00E+00	-1.95E-02	0.00E+00
1.24E+01	2.67E+01	1.15E+00	-1.46E-02	0.00E+00
1.24E+01	2.68E+01	9.25E-01	2.44E-03	0.00E+00
1.24E+01	2.70E+01	9.09E-01	-2.56E-02	0.00E+00
1.25E+01	2.76E+01	1.11E+00	-1.34E-02	0.00E+00
1.25E+01	2.77E+01	9.09E-01	-2.08E-02	0.00E+00
1.25E+01	2.77E+01	1.31E+00	-9.77E-03	0.00E+00
1.25E+01	2.83E+01	1.09E+00	-1.22E-02	0.00E+00
1.25E+01	2.83E+01	1.06E+00	-2.32E-02	0.00E+00
1.26E+01	2.86E+01	1.08E+00	2.44E-03	0.00E+00
1.26E+01	2.89E+01	1.03E+00	-2.93E-02	0.00E+00
1.26E+01	2.89E+01	1.18E+00	-2.32E-02	0.00E+00
1.26E+01	2.91E+01	1.25E+00	-4.88E-03	0.00E+00
1.26E+01	2.94E+01	1.00E+00	-2.20E-02	0.00E+00
1.27E+01	2.94E+01	1.03E+00	-2.20E-02	0.00E+00
1.27E+01	2.97E+01	9.09E-01	-2.93E-02	0.00E+00
1.27E+01	3.01E+01	1.12E+00	-1.46E-02	0.00E+00

1.27E+01	3.00E+01	1.06E+00	-1.22E-02	0.00E+00
1.27E+01	3.05E+01	1.00E+00	-2.44E-02	0.00E+00
1.28E+01	3.06E+01	1.06E+00	-2.20E-02	0.00E+00
1.28E+01	3.07E+01	9.25E-01	-2.08E-02	0.00E+00
1.28E+01	3.11E+01	1.12E+00	-1.95E-02	0.00E+00
1.28E+01	3.12E+01	9.70E-01	-2.69E-02	0.00E+00
1.28E+01	3.16E+01	1.03E+00	-6.10E-03	0.00E+00
1.29E+01	3.18E+01	1.12E+00	-1.34E-02	0.00E+00
1.29E+01	3.20E+01	1.03E+00	-1.71E-02	0.00E+00
1.29E+01	3.23E+01	1.15E+00	-1.59E-02	0.00E+00
1.29E+01	3.23E+01	9.86E-01	-9.77E-03	0.00E+00
1.29E+01	3.29E+01	9.09E-01	-1.95E-02	0.00E+00
1.30E+01	3.29E+01	1.20E+00	-4.88E-03	0.00E+00
1.30E+01	3.31E+01	1.03E+00	-1.46E-02	0.00E+00
1.30E+01	3.35E+01	1.08E+00	-2.20E-02	0.00E+00
1.30E+01	3.34E+01	8.48E-01	-1.22E-02	0.00E+00
1.30E+01	3.38E+01	9.40E-01	-2.69E-02	0.00E+00
1.31E+01	3.41E+01	1.12E+00	-2.20E-02	0.00E+00
1.31E+01	3.40E+01	1.05E+00	0.00E+00	0.00E+00
1.31E+01	3.45E+01	9.70E-01	-1.95E-02	0.00E+00
1.31E+01	3.46E+01	1.03E+00	-4.76E-02	0.00E+00
1.31E+01	3.48E+01	1.06E+00	-9.77E-03	0.00E+00
1.32E+01	3.52E+01	8.79E-01	-3.66E-02	0.00E+00
1.32E+01	3.51E+01	1.11E+00	9.77E-03	0.00E+00
1.32E+01	3.56E+01	9.70E-01	-1.22E-02	0.00E+00
1.32E+01	3.58E+01	1.00E+00	-4.39E-02	0.00E+00
1.32E+01	3.60E+01	1.09E+00	-8.54E-03	0.00E+00
1.33E+01	3.64E+01	9.70E-01	-1.95E-02	0.00E+00
1.33E+01	3.64E+01	1.17E+00	-2.08E-02	0.00E+00
1.33E+01	3.69E+01	1.23E+00	2.44E-03	0.00E+00
1.33E+01	3.70E+01	1.06E+00	-2.93E-02	0.00E+00
1.33E+01	3.70E+01	1.09E+00	-7.32E-03	0.00E+00
1.34E+01	3.74E+01	1.28E+00	-6.10E-03	0.00E+00
1.34E+01	3.76E+01	1.05E+00	-2.69E-02	0.00E+00
1.34E+01	3.77E+01	1.03E+00	-1.46E-02	0.00E+00
1.34E+01	3.82E+01	9.70E-01	-1.71E-02	0.00E+00
1.34E+01	3.81E+01	1.08E+00	-1.46E-02	0.00E+00
1.35E+01	3.84E+01	8.79E-01	-9.77E-03	0.00E+00
1.35E+01	3.87E+01	1.06E+00	-7.32E-03	0.00E+00
1.35E+01	3.87E+01	1.06E+00	-2.20E-02	0.00E+00
1.35E+01	3.92E+01	1.15E+00	-7.32E-03	0.00E+00
1.35E+01	3.94E+01	1.03E+00	-1.34E-02	0.00E+00
1.36E+01	3.96E+01	1.00E+00	-3.54E-02	0.00E+00
1.36E+01	3.99E+01	1.17E+00	-1.46E-02	0.00E+00
1.36E+01	3.98E+01	8.33E-01	-1.83E-02	0.00E+00
1.36E+01	4.05E+01	1.00E+00	-1.95E-02	0.00E+00
1.36E+01	4.04E+01	1.18E+00	-1.34E-02	0.00E+00

1.37E+01	4.06E+01	9.25E-01	-2.20E-02	0.00E+00
1.37E+01	4.11E+01	1.15E+00	-1.59E-02	0.00E+00
1.37E+01	4.09E+01	6.95E-01	-1.46E-02	0.00E+00
1.37E+01	4.13E+01	1.00E+00	-2.32E-02	0.00E+00
1.37E+01	4.17E+01	1.09E+00	-1.22E-02	0.00E+00
1.38E+01	4.15E+01	9.09E-01	-8.54E-03	0.00E+00
1.38E+01	4.21E+01	1.06E+00	-9.77E-03	0.00E+00
1.38E+01	4.22E+01	1.09E+00	-1.22E-02	0.00E+00
1.38E+01	4.21E+01	1.03E+00	-2.44E-03	0.00E+00
1.38E+01	4.26E+01	1.14E+00	-7.32E-03	0.00E+00
1.39E+01	4.29E+01	9.40E-01	-3.66E-02	0.00E+00
1.39E+01	4.28E+01	9.09E-01	-1.83E-02	0.00E+00
1.39E+01	4.31E+01	1.22E+00	-1.71E-02	0.00E+00
1.39E+01	4.32E+01	1.05E+00	-1.22E-02	0.00E+00
1.39E+01	4.34E+01	8.02E-01	-2.44E-02	0.00E+00
1.40E+01	4.37E+01	1.12E+00	-1.22E-02	0.00E+00
1.40E+01	4.39E+01	1.17E+00	-1.59E-02	0.00E+00
1.40E+01	4.40E+01	1.15E+00	-1.59E-02	0.00E+00
1.40E+01	4.43E+01	9.86E-01	-1.71E-02	0.00E+00
1.40E+01	4.45E+01	7.56E-01	-2.44E-02	0.00E+00
1.41E+01	4.45E+01	1.06E+00	0.00E+00	0.00E+00
1.41E+01	4.52E+01	9.40E-01	-2.69E-02	0.00E+00
1.41E+01	4.50E+01	1.03E+00	0.00E+00	0.00E+00
1.41E+01	4.53E+01	9.70E-01	-1.71E-02	0.00E+00
1.41E+01	4.57E+01	1.12E+00	-1.34E-02	0.00E+00
1.42E+01	4.55E+01	9.70E-01	-1.22E-02	0.00E+00
1.42E+01	4.60E+01	1.00E+00	-6.10E-03	0.00E+00
1.42E+01	4.61E+01	1.00E+00	-4.64E-02	0.00E+00
1.42E+01	4.60E+01	9.40E-01	-1.10E-02	0.00E+00
1.42E+01	4.64E+01	1.06E+00	-2.56E-02	0.00E+00
1.43E+01	4.68E+01	1.00E+00	-1.46E-02	0.00E+00
1.43E+01	4.67E+01	1.00E+00	-1.34E-02	0.00E+00
1.43E+01	4.70E+01	9.70E-01	-1.95E-02	0.00E+00
1.43E+01	4.73E+01	1.12E+00	-1.22E-02	0.00E+00
1.43E+01	4.74E+01	9.70E-01	-2.20E-02	0.00E+00
1.44E+01	4.75E+01	1.06E+00	-2.44E-02	0.00E+00
1.44E+01	4.79E+01	7.56E-01	-9.77E-03	0.00E+00
1.44E+01	4.80E+01	1.02E+00	-1.71E-02	0.00E+00
1.44E+01	4.80E+01	1.02E+00	-2.44E-02	0.00E+00
1.44E+01	4.85E+01	8.79E-01	-2.69E-02	0.00E+00
1.45E+01	4.87E+01	1.05E+00	-2.44E-02	0.00E+00
1.45E+01	4.85E+01	1.06E+00	-3.78E-02	0.00E+00
1.45E+01	4.90E+01	1.00E+00	-2.08E-02	0.00E+00
1.45E+01	4.92E+01	1.17E+00	-3.66E-02	0.00E+00
1.45E+01	4.89E+01	8.63E-01	9.77E-03	0.00E+00
1.46E+01	4.95E+01	9.70E-01	-1.95E-02	0.00E+00
1.46E+01	4.97E+01	1.08E+00	-3.42E-02	0.00E+00

1.46E+01	4.96E+01	9.09E-01	-1.83E-02	0.00E+00
1.46E+01	5.01E+01	1.28E+00	-1.71E-02	0.00E+00
1.46E+01	5.03E+01	9.25E-01	-4.88E-03	0.00E+00
1.47E+01	5.03E+01	6.49E-01	-3.17E-02	0.00E+00
1.47E+01	5.05E+01	1.20E+00	-9.77E-03	0.00E+00
1.47E+01	5.08E+01	1.03E+00	-1.83E-02	0.00E+00
1.47E+01	5.10E+01	1.00E+00	-3.05E-02	0.00E+00
1.47E+01	5.09E+01	1.06E+00	-9.77E-03	0.00E+00
1.48E+01	5.14E+01	9.09E-01	-7.32E-03	0.00E+00
1.48E+01	5.16E+01	1.00E+00	-2.56E-02	0.00E+00
1.48E+01	5.14E+01	1.08E+00	-1.10E-02	0.00E+00
1.48E+01	5.17E+01	1.00E+00	-2.44E-02	0.00E+00
1.48E+01	5.19E+01	9.70E-01	-4.88E-03	0.00E+00
1.49E+01	5.20E+01	1.09E+00	1.59E-02	0.00E+00
1.49E+01	5.24E+01	9.09E-01	-2.20E-02	0.00E+00
1.49E+01	5.26E+01	1.08E+00	-1.71E-02	0.00E+00
1.49E+01	5.26E+01	8.48E-01	-1.71E-02	0.00E+00
1.49E+01	5.30E+01	7.56E-01	-2.69E-02	0.00E+00
1.50E+01	5.32E+01	1.00E+00	-4.88E-03	0.00E+00
1.50E+01	5.32E+01	6.34E-01	-3.42E-02	0.00E+00
1.50E+01	5.35E+01	1.09E+00	-1.46E-02	0.00E+00
1.50E+01	5.37E+01	9.09E-01	-2.20E-02	0.00E+00
1.50E+01	5.38E+01	1.03E+00	-2.69E-02	0.00E+00
1.51E+01	5.40E+01	1.06E+00	0.00E+00	0.00E+00
1.51E+01	5.42E+01	9.25E-01	-1.46E-02	0.00E+00
1.51E+01	5.45E+01	9.70E-01	-1.22E-03	0.00E+00
1.51E+01	5.42E+01	9.55E-01	-1.46E-02	0.00E+00
1.51E+01	5.50E+01	1.09E+00	-4.27E-02	0.00E+00
1.52E+01	5.49E+01	9.86E-01	-1.71E-02	0.00E+00
1.52E+01	5.50E+01	1.14E+00	-2.44E-02	0.00E+00
1.52E+01	5.55E+01	1.06E+00	-9.77E-03	0.00E+00
1.52E+01	5.55E+01	8.18E-01	-2.69E-02	0.00E+00
1.52E+01	5.56E+01	1.06E+00	-1.71E-02	0.00E+00
1.53E+01	5.61E+01	6.49E-01	-3.05E-02	0.00E+00
1.53E+01	5.61E+01	1.40E+00	-2.44E-03	0.00E+00
1.53E+01	5.62E+01	9.70E-01	-2.56E-02	0.00E+00
1.53E+01	5.67E+01	9.70E-01	-2.20E-02	0.00E+00
1.53E+01	5.66E+01	1.03E+00	-9.77E-03	0.00E+00
1.54E+01	5.69E+01	9.40E-01	-3.17E-02	0.00E+00
1.54E+01	5.74E+01	9.55E-01	-1.22E-02	0.00E+00
1.54E+01	5.73E+01	1.09E+00	-9.77E-03	0.00E+00
1.54E+01	5.74E+01	1.09E+00	-3.17E-02	0.00E+00
1.54E+01	5.76E+01	8.02E-01	1.46E-02	0.00E+00
1.55E+01	5.78E+01	1.03E+00	-1.95E-02	0.00E+00
1.55E+01	5.79E+01	1.28E+00	-1.46E-02	0.00E+00
1.55E+01	5.82E+01	1.09E+00	-2.08E-02	0.00E+00
1.55E+01	5.85E+01	1.12E+00	-1.95E-02	0.00E+00

1.55E+01	5.84E+01	1.12E+00	-1.10E-02	0.00E+00
1.56E+01	5.88E+01	9.55E-01	-3.17E-02	0.00E+00
1.56E+01	5.91E+01	1.11E+00	-8.54E-03	0.00E+00
1.56E+01	5.90E+01	6.34E-01	-2.44E-02	0.00E+00
1.56E+01	5.91E+01	1.34E+00	-1.83E-02	0.00E+00
1.56E+01	5.96E+01	9.55E-01	-6.10E-03	0.00E+00
1.57E+01	5.97E+01	1.06E+00	-3.91E-02	0.00E+00
1.57E+01	5.97E+01	8.79E-01	-7.32E-03	0.00E+00
1.57E+01	5.99E+01	9.09E-01	-9.77E-03	0.00E+00
1.57E+01	6.02E+01	1.18E+00	3.66E-03	0.00E+00
1.57E+01	6.03E+01	8.79E-01	-1.46E-02	0.00E+00
1.58E+01	6.03E+01	9.40E-01	-3.91E-02	0.00E+00
1.58E+01	6.07E+01	1.28E+00	-7.32E-03	0.00E+00
1.58E+01	6.08E+01	7.56E-01	-2.44E-02	0.00E+00
1.58E+01	6.08E+01	1.02E+00	-1.71E-02	0.00E+00
1.58E+01	6.12E+01	9.25E-01	-1.22E-02	0.00E+00
1.59E+01	6.14E+01	1.02E+00	-2.69E-02	0.00E+00
1.59E+01	6.13E+01	8.48E-01	-9.77E-03	0.00E+00
1.59E+01	6.16E+01	7.72E-01	-2.20E-02	0.00E+00
1.59E+01	6.20E+01	1.06E+00	-1.46E-02	0.00E+00
1.59E+01	6.19E+01	9.70E-01	-2.20E-02	0.00E+00
1.60E+01	6.20E+01	1.03E+00	-2.08E-02	0.00E+00
1.60E+01	6.23E+01	1.08E+00	-7.32E-03	0.00E+00
1.60E+01	6.25E+01	9.40E-01	-3.17E-02	0.00E+00
1.60E+01	6.27E+01	1.12E+00	-1.95E-02	0.00E+00
1.60E+01	6.26E+01	9.40E-01	3.66E-03	0.00E+00
1.61E+01	6.32E+01	1.17E+00	-3.66E-02	0.00E+00
1.61E+01	6.30E+01	1.03E+00	-1.22E-02	0.00E+00
1.61E+01	6.31E+01	8.18E-01	-2.32E-02	0.00E+00
1.61E+01	6.37E+01	8.79E-01	-1.83E-02	0.00E+00
1.61E+01	6.37E+01	7.87E-01	-1.10E-02	0.00E+00
1.62E+01	6.37E+01	8.63E-01	-2.69E-02	0.00E+00
1.62E+01	6.40E+01	1.11E+00	-2.44E-03	0.00E+00
1.62E+01	6.43E+01	1.03E+00	-2.56E-02	0.00E+00
1.62E+01	6.43E+01	1.34E+00	-1.22E-02	0.00E+00
1.62E+01	6.43E+01	8.79E-01	-1.83E-02	0.00E+00
1.63E+01	6.49E+01	1.03E+00	-2.69E-02	0.00E+00
1.63E+01	6.48E+01	1.09E+00	-2.44E-03	0.00E+00
1.63E+01	6.50E+01	9.25E-01	-3.91E-02	0.00E+00
1.63E+01	6.52E+01	1.12E+00	-3.66E-03	0.00E+00
1.63E+01	6.54E+01	9.70E-01	0.00E+00	0.00E+00
1.64E+01	6.54E+01	8.79E-01	-2.20E-02	0.00E+00
1.64E+01	6.55E+01	1.06E+00	-3.91E-02	0.00E+00
1.64E+01	6.58E+01	9.09E-01	-3.66E-02	0.00E+00
1.64E+01	6.61E+01	1.06E+00	-2.20E-02	0.00E+00
1.64E+01	6.60E+01	1.03E+00	-1.22E-02	0.00E+00
1.65E+01	6.60E+01	8.18E-01	-1.83E-02	0.00E+00

1.65E+01	6.67E+01	1.06E+00	-1.46E-02	0.00E+00
1.65E+01	6.66E+01	8.48E-01	-1.71E-02	0.00E+00
1.65E+01	6.66E+01	9.70E-01	-1.71E-02	0.00E+00
1.65E+01	6.68E+01	1.03E+00	-9.77E-03	0.00E+00
1.66E+01	6.72E+01	1.03E+00	-2.81E-02	0.00E+00
1.66E+01	6.73E+01	9.70E-01	-3.42E-02	0.00E+00
1.66E+01	6.71E+01	1.06E+00	-4.88E-03	0.00E+00
1.66E+01	6.77E+01	9.70E-01	-5.86E-02	0.00E+00
1.66E+01	6.75E+01	1.18E+00	-7.32E-03	0.00E+00
1.67E+01	6.77E+01	8.79E-01	-2.44E-02	0.00E+00
1.67E+01	6.76E+01	1.00E+00	-4.64E-02	0.00E+00
1.67E+01	6.85E+01	1.06E+00	-1.22E-02	0.00E+00
1.67E+01	6.83E+01	9.09E-01	-2.20E-02	0.00E+00
1.67E+01	6.84E+01	1.17E+00	-1.46E-02	0.00E+00
1.68E+01	6.86E+01	1.09E+00	-1.71E-02	0.00E+00
1.68E+01	6.90E+01	1.18E+00	-2.20E-02	0.00E+00
1.68E+01	6.91E+01	1.06E+00	-2.44E-03	0.00E+00
1.68E+01	6.90E+01	9.55E-01	-1.22E-02	0.00E+00
1.68E+01	6.96E+01	1.18E+00	-4.88E-03	0.00E+00
1.69E+01	6.99E+01	1.20E+00	-1.46E-02	0.00E+00
1.69E+01	7.01E+01	1.03E+00	-3.05E-02	0.00E+00
1.69E+01	6.99E+01	1.15E+00	-2.32E-02	0.00E+00
1.69E+01	6.99E+01	8.79E-01	-7.32E-03	0.00E+00
1.69E+01	7.05E+01	1.09E+00	-1.22E-02	0.00E+00
1.70E+01	7.06E+01	9.40E-01	7.32E-03	0.00E+00
1.70E+01	7.07E+01	9.55E-01	-2.08E-02	0.00E+00
1.70E+01	7.06E+01	1.00E+00	-3.66E-02	0.00E+00
1.70E+01	7.12E+01	1.03E+00	-2.20E-02	0.00E+00
1.70E+01	7.12E+01	1.15E+00	-2.20E-02	0.00E+00
1.71E+01	7.11E+01	1.09E+00	-7.32E-03	0.00E+00
1.71E+01	7.13E+01	1.31E+00	-2.20E-02	0.00E+00
1.71E+01	7.13E+01	1.06E+00	-1.46E-02	0.00E+00
1.71E+01	7.13E+01	1.03E+00	-2.69E-02	0.00E+00
1.71E+01	7.17E+01	1.49E+00	-1.22E-02	0.00E+00
1.72E+01	7.17E+01	9.70E-01	-2.20E-02	0.00E+00
1.72E+01	7.18E+01	9.86E-01	-1.34E-02	0.00E+00
1.72E+01	7.18E+01	1.03E+00	-1.46E-02	0.00E+00
1.72E+01	7.22E+01	1.03E+00	-2.44E-02	0.00E+00
1.72E+01	7.24E+01	1.26E+00	-6.10E-03	0.00E+00
1.73E+01	7.22E+01	1.00E+00	-1.22E-02	0.00E+00
1.73E+01	7.25E+01	1.02E+00	-5.25E-02	0.00E+00
1.73E+01	7.24E+01	7.72E-01	-2.08E-02	0.00E+00
1.73E+01	7.29E+01	9.25E-01	-1.95E-02	0.00E+00
1.73E+01	7.30E+01	1.06E+00	-1.71E-02	0.00E+00
1.74E+01	7.29E+01	9.25E-01	-8.54E-03	0.00E+00
1.74E+01	7.31E+01	1.12E+00	-2.44E-02	0.00E+00
1.74E+01	7.35E+01	8.79E-01	-6.10E-03	0.00E+00

1.74E+01	7.35E+01	1.00E+00	-1.46E-02	0.00E+00
1.74E+01	7.36E+01	1.08E+00	-1.22E-02	0.00E+00
1.75E+01	7.36E+01	7.10E-01	-1.83E-02	0.00E+00
1.75E+01	7.42E+01	9.70E-01	-2.44E-02	0.00E+00
1.75E+01	7.41E+01	9.70E-01	-4.88E-03	0.00E+00
1.75E+01	7.41E+01	9.70E-01	-3.54E-02	0.00E+00
1.75E+01	7.45E+01	1.03E+00	-1.22E-03	0.00E+00
1.76E+01	7.47E+01	8.33E-01	-9.77E-03	0.00E+00
1.76E+01	7.48E+01	1.14E+00	-2.93E-02	0.00E+00
1.76E+01	7.46E+01	9.09E-01	-1.71E-02	0.00E+00
1.76E+01	7.51E+01	9.70E-01	-2.44E-02	0.00E+00
1.76E+01	7.52E+01	8.94E-01	2.44E-03	0.00E+00
1.77E+01	7.53E+01	9.25E-01	-2.44E-02	0.00E+00
1.77E+01	7.53E+01	1.00E+00	-7.32E-03	0.00E+00
1.77E+01	7.52E+01	8.94E-01	-1.59E-02	0.00E+00
1.77E+01	7.53E+01	1.26E+00	-1.95E-02	0.00E+00
1.77E+01	7.52E+01	1.18E+00	-4.88E-03	0.00E+00
1.78E+01	7.54E+01	9.40E-01	-2.20E-02	0.00E+00
1.78E+01	7.54E+01	1.06E+00	-1.34E-02	0.00E+00
1.78E+01	7.53E+01	7.26E-01	-1.71E-02	0.00E+00
1.78E+01	7.55E+01	1.20E+00	-2.08E-02	0.00E+00
1.78E+01	7.53E+01	1.06E+00	-1.10E-02	0.00E+00
1.79E+01	7.53E+01	1.08E+00	-9.77E-03	0.00E+00
1.79E+01	7.52E+01	1.06E+00	-7.32E-03	0.00E+00
1.79E+01	7.52E+01	9.09E-01	-2.81E-02	0.00E+00
1.79E+01	7.53E+01	1.06E+00	-2.81E-02	0.00E+00
1.79E+01	7.54E+01	9.55E-01	-1.59E-02	0.00E+00
1.80E+01	7.53E+01	1.03E+00	-2.20E-02	0.00E+00
1.80E+01	7.52E+01	1.03E+00	1.59E-02	0.00E+00
1.80E+01	7.55E+01	1.14E+00	-2.08E-02	0.00E+00
1.80E+01	7.53E+01	1.09E+00	-1.46E-02	0.00E+00
1.80E+01	7.53E+01	9.25E-01	-1.83E-02	0.00E+00
1.81E+01	7.53E+01	8.18E-01	-1.22E-02	0.00E+00
1.81E+01	7.53E+01	9.70E-01	-1.46E-02	0.00E+00
1.81E+01	7.54E+01	7.56E-01	-3.05E-02	0.00E+00
1.81E+01	7.53E+01	1.03E+00	-4.88E-03	0.00E+00
1.81E+01	7.53E+01	6.34E-01	-3.30E-02	0.00E+00
1.82E+01	7.53E+01	9.86E-01	-1.71E-02	0.00E+00
1.82E+01	7.52E+01	1.00E+00	-6.10E-03	0.00E+00
1.82E+01	7.53E+01	1.00E+00	-1.95E-02	0.00E+00
1.82E+01	7.53E+01	1.02E+00	7.32E-03	0.00E+00
1.82E+01	7.53E+01	1.00E+00	-1.95E-02	0.00E+00
1.83E+01	7.54E+01	1.09E+00	-2.20E-02	0.00E+00
1.83E+01	7.51E+01	8.48E-01	-1.83E-02	0.00E+00
1.83E+01	7.54E+01	1.12E+00	7.32E-03	0.00E+00
1.83E+01	7.55E+01	1.06E+00	-1.22E-02	0.00E+00
1.83E+01	7.54E+01	1.03E+00	-2.69E-02	0.00E+00

1.84E+01	7.53E+01	1.18E+00	-7.32E-03	0.00E+00
1.84E+01	7.53E+01	6.65E-01	-1.10E-02	0.00E+00
1.84E+01	7.55E+01	9.70E-01	-2.69E-02	0.00E+00
1.84E+01	7.54E+01	9.09E-01	-1.22E-02	0.00E+00
1.84E+01	7.59E+01	7.87E-01	-2.20E-02	0.00E+00
1.85E+01	7.59E+01	9.86E-01	-1.59E-02	0.00E+00
1.85E+01	7.57E+01	8.63E-01	1.22E-03	0.00E+00
1.85E+01	7.58E+01	1.06E+00	-1.46E-02	0.00E+00
1.85E+01	7.59E+01	1.12E+00	0.00E+00	0.00E+00
1.85E+01	7.59E+01	9.09E-01	-2.69E-02	0.00E+00
1.86E+01	7.61E+01	1.18E+00	-1.71E-02	0.00E+00
1.86E+01	7.58E+01	9.09E-01	3.66E-03	0.00E+00
1.86E+01	7.58E+01	9.40E-01	-2.44E-02	0.00E+00
1.86E+01	7.60E+01	1.12E+00	-1.59E-02	0.00E+00
1.86E+01	7.58E+01	9.25E-01	-1.46E-02	0.00E+00
1.87E+01	7.59E+01	1.18E+00	-1.46E-02	0.00E+00
1.87E+01	7.59E+01	1.00E+00	-1.71E-02	0.00E+00
1.87E+01	7.59E+01	9.70E-01	-1.95E-02	0.00E+00
1.87E+01	7.59E+01	9.70E-01	-1.22E-02	0.00E+00
1.87E+01	7.58E+01	9.09E-01	-2.93E-02	0.00E+00
1.88E+01	7.59E+01	1.02E+00	-1.95E-02	0.00E+00
1.88E+01	7.59E+01	1.00E+00	-1.34E-02	0.00E+00
1.88E+01	7.59E+01	9.25E-01	-1.46E-02	0.00E+00
1.88E+01	7.59E+01	1.14E+00	-4.15E-02	0.00E+00
1.88E+01	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
1.89E+01	7.59E+01	1.08E+00	-4.27E-02	0.00E+00
1.89E+01	7.59E+01	1.18E+00	2.20E-02	0.00E+00
1.89E+01	7.58E+01	9.09E-01	-1.95E-02	0.00E+00
1.89E+01	7.59E+01	1.03E+00	-1.95E-02	0.00E+00
1.89E+01	7.58E+01	1.25E+00	-8.54E-03	0.00E+00
1.90E+01	7.59E+01	8.18E-01	-2.20E-02	0.00E+00
1.90E+01	7.59E+01	1.25E+00	-1.22E-02	0.00E+00
1.90E+01	7.58E+01	7.56E-01	-2.20E-02	0.00E+00
1.90E+01	7.59E+01	1.15E+00	-1.46E-02	0.00E+00
1.90E+01	7.59E+01	1.25E+00	-7.32E-03	0.00E+00
1.91E+01	7.58E+01	1.00E+00	-1.10E-02	0.00E+00
1.91E+01	7.60E+01	1.06E+00	-7.32E-03	0.00E+00
1.91E+01	7.59E+01	9.55E-01	-3.42E-02	0.00E+00
1.91E+01	7.58E+01	9.40E-01	-1.34E-02	0.00E+00
1.91E+01	7.58E+01	9.40E-01	-2.93E-02	0.00E+00
1.92E+01	7.61E+01	1.18E+00	-1.46E-02	0.00E+00
1.92E+01	7.58E+01	1.00E+00	-2.20E-02	0.00E+00
1.92E+01	7.59E+01	1.11E+00	-1.22E-02	0.00E+00
1.92E+01	7.58E+01	9.09E-01	-1.59E-02	0.00E+00
1.92E+01	7.59E+01	1.15E+00	-1.22E-02	0.00E+00
1.93E+01	7.58E+01	9.70E-01	-9.77E-03	0.00E+00
1.93E+01	7.58E+01	8.18E-01	-2.44E-02	0.00E+00

1.93E+01	7.58E+01	1.00E+00	-4.88E-03	0.00E+00
1.93E+01	7.59E+01	8.94E-01	-2.20E-02	0.00E+00
1.93E+01	7.58E+01	1.29E+00	-1.46E-02	0.00E+00
1.94E+01	7.58E+01	9.55E-01	-2.32E-02	0.00E+00
1.94E+01	7.59E+01	1.09E+00	-1.46E-02	0.00E+00
1.94E+01	7.58E+01	9.40E-01	-2.44E-02	0.00E+00
1.94E+01	7.60E+01	1.03E+00	-1.95E-02	0.00E+00
1.94E+01	7.58E+01	1.12E+00	7.32E-03	0.00E+00
1.95E+01	7.60E+01	1.02E+00	-2.93E-02	0.00E+00
1.95E+01	7.58E+01	1.00E+00	-9.77E-03	0.00E+00
1.95E+01	7.57E+01	1.02E+00	-1.71E-02	0.00E+00
1.95E+01	7.59E+01	1.09E+00	-1.22E-02	0.00E+00
1.95E+01	7.58E+01	8.79E-01	-2.56E-02	0.00E+00
1.96E+01	7.59E+01	8.48E-01	-1.22E-02	0.00E+00
1.96E+01	7.58E+01	8.79E-01	-1.46E-02	0.00E+00
1.96E+01	7.59E+01	1.06E+00	-2.20E-02	0.00E+00
1.96E+01	7.58E+01	1.12E+00	-9.77E-03	0.00E+00
1.96E+01	7.59E+01	1.00E+00	-1.46E-02	0.00E+00
1.97E+01	7.59E+01	1.06E+00	-9.77E-03	0.00E+00
1.97E+01	7.57E+01	9.09E-01	-2.44E-03	0.00E+00
1.97E+01	7.60E+01	1.09E+00	-2.44E-02	0.00E+00
1.97E+01	7.58E+01	1.00E+00	-2.81E-02	0.00E+00
1.97E+01	7.59E+01	9.40E-01	-2.69E-02	0.00E+00
1.98E+01	7.59E+01	1.18E+00	-3.91E-02	0.00E+00
1.98E+01	7.56E+01	9.55E-01	-1.95E-02	0.00E+00
1.98E+01	7.59E+01	1.09E+00	-1.95E-02	0.00E+00
1.98E+01	7.58E+01	1.00E+00	-7.32E-03	0.00E+00
1.98E+01	7.59E+01	1.11E+00	-2.20E-02	0.00E+00
1.99E+01	7.58E+01	9.09E-01	-1.34E-02	0.00E+00
1.99E+01	7.58E+01	1.14E+00	-1.46E-02	0.00E+00
1.99E+01	7.58E+01	1.37E+00	-8.54E-03	0.00E+00
1.99E+01	7.57E+01	9.40E-01	-2.20E-02	0.00E+00
1.99E+01	7.58E+01	9.09E-01	-3.17E-02	0.00E+00
2.00E+01	7.58E+01	1.15E+00	-3.42E-02	0.00E+00
2.00E+01	7.58E+01	8.94E-01	-9.77E-03	0.00E+00
2.00E+01	7.58E+01	1.17E+00	1.22E-03	0.00E+00
2.00E+01	7.59E+01	1.02E+00	-1.22E-02	0.00E+00
2.00E+01	7.58E+01	8.79E-01	-2.44E-02	0.00E+00
2.01E+01	7.59E+01	1.22E+00	-7.32E-03	0.00E+00
2.01E+01	7.58E+01	8.48E-01	-1.95E-02	0.00E+00
2.01E+01	7.58E+01	1.09E+00	-1.59E-02	0.00E+00
2.01E+01	7.58E+01	8.79E-01	-1.71E-02	0.00E+00
2.01E+01	7.59E+01	9.70E-01	-2.81E-02	0.00E+00
2.02E+01	7.58E+01	1.15E+00	-2.20E-02	0.00E+00
2.02E+01	7.57E+01	1.00E+00	-1.22E-02	0.00E+00
2.02E+01	7.58E+01	1.14E+00	-1.22E-02	0.00E+00
2.02E+01	7.57E+01	8.79E-01	-1.22E-02	0.00E+00

2.02E+01	7.60E+01	1.06E+00	-1.95E-02	0.00E+00
2.03E+01	7.58E+01	1.12E+00	-4.88E-03	0.00E+00
2.03E+01	7.58E+01	9.09E-01	-4.15E-02	0.00E+00
2.03E+01	7.59E+01	1.09E+00	-1.22E-02	0.00E+00
2.03E+01	7.58E+01	1.25E+00	-1.59E-02	0.00E+00
2.03E+01	7.59E+01	7.87E-01	-2.93E-02	0.00E+00
2.04E+01	7.58E+01	1.15E+00	-9.77E-03	0.00E+00
2.04E+01	7.58E+01	1.00E+00	-1.34E-02	0.00E+00
2.04E+01	7.59E+01	1.25E+00	-1.46E-02	0.00E+00
2.04E+01	7.58E+01	1.00E+00	-1.95E-02	0.00E+00
2.04E+01	7.59E+01	1.29E+00	-8.54E-03	0.00E+00
2.05E+01	7.57E+01	9.70E-01	-1.10E-02	0.00E+00
2.05E+01	7.59E+01	1.03E+00	-1.95E-02	0.00E+00
2.05E+01	7.59E+01	1.22E+00	-3.30E-02	0.00E+00
2.05E+01	7.56E+01	8.48E-01	-1.46E-02	0.00E+00
2.05E+01	7.59E+01	1.00E+00	0.00E+00	0.00E+00
2.06E+01	7.58E+01	9.25E-01	-2.93E-02	0.00E+00
2.06E+01	7.57E+01	8.63E-01	-1.95E-02	0.00E+00
2.06E+01	7.59E+01	1.12E+00	-1.34E-02	0.00E+00
2.06E+01	7.58E+01	1.15E+00	-8.54E-03	0.00E+00
2.06E+01	7.58E+01	8.18E-01	-2.08E-02	0.00E+00
2.07E+01	7.59E+01	1.06E+00	-1.71E-02	0.00E+00
2.07E+01	7.58E+01	1.08E+00	-1.71E-02	0.00E+00
2.07E+01	7.58E+01	1.03E+00	-2.20E-02	0.00E+00
2.07E+01	7.58E+01	7.87E-01	-1.46E-02	0.00E+00
2.07E+01	7.58E+01	9.70E-01	-1.46E-02	0.00E+00
2.08E+01	7.58E+01	1.18E+00	-9.77E-03	0.00E+00
2.08E+01	7.57E+01	1.00E+00	-2.56E-02	0.00E+00
2.08E+01	7.58E+01	9.09E-01	-2.44E-02	0.00E+00
2.08E+01	7.58E+01	1.02E+00	-2.93E-02	0.00E+00
2.08E+01	7.55E+01	9.40E-01	-4.39E-02	0.00E+00
2.09E+01	7.58E+01	9.25E-01	-2.20E-02	0.00E+00
2.09E+01	7.58E+01	1.22E+00	-9.77E-03	0.00E+00
2.09E+01	7.58E+01	9.25E-01	-2.69E-02	0.00E+00
2.09E+01	7.59E+01	1.17E+00	-1.95E-02	0.00E+00
2.09E+01	7.58E+01	1.22E+00	-7.32E-03	0.00E+00
2.10E+01	7.58E+01	8.18E-01	-2.08E-02	0.00E+00
2.10E+01	7.58E+01	1.15E+00	-1.22E-02	0.00E+00
2.10E+01	7.57E+01	7.10E-01	-2.44E-02	0.00E+00
2.10E+01	7.58E+01	9.55E-01	-1.95E-02	0.00E+00
2.10E+01	7.57E+01	1.03E+00	-2.20E-02	0.00E+00
2.11E+01	7.58E+01	9.70E-01	-4.15E-02	0.00E+00
2.11E+01	7.59E+01	1.12E+00	-1.59E-02	0.00E+00
2.11E+01	7.58E+01	1.03E+00	-2.44E-02	0.00E+00
2.11E+01	7.59E+01	1.06E+00	-5.37E-02	0.00E+00
2.11E+01	7.56E+01	9.70E-01	-8.54E-03	0.00E+00
2.12E+01	7.58E+01	9.09E-01	-1.95E-02	0.00E+00

2.12E+01	7.59E+01	1.12E+00	-2.44E-02	0.00E+00
2.12E+01	7.58E+01	1.15E+00	-1.46E-02	0.00E+00
2.12E+01	7.59E+01	9.40E-01	-2.20E-02	0.00E+00
2.12E+01	7.59E+01	1.03E+00	-1.83E-02	0.00E+00
2.13E+01	7.58E+01	8.79E-01	-1.22E-02	0.00E+00
2.13E+01	7.59E+01	1.15E+00	-2.44E-02	0.00E+00
2.13E+01	7.58E+01	1.03E+00	-1.71E-02	0.00E+00
2.13E+01	7.59E+01	9.55E-01	-1.46E-02	0.00E+00
2.13E+01	7.59E+01	1.09E+00	-1.95E-02	0.00E+00
2.14E+01	7.59E+01	1.06E+00	-1.46E-02	0.00E+00
2.14E+01	7.59E+01	1.00E+00	-3.42E-02	0.00E+00
2.14E+01	7.57E+01	1.28E+00	-7.32E-03	0.00E+00