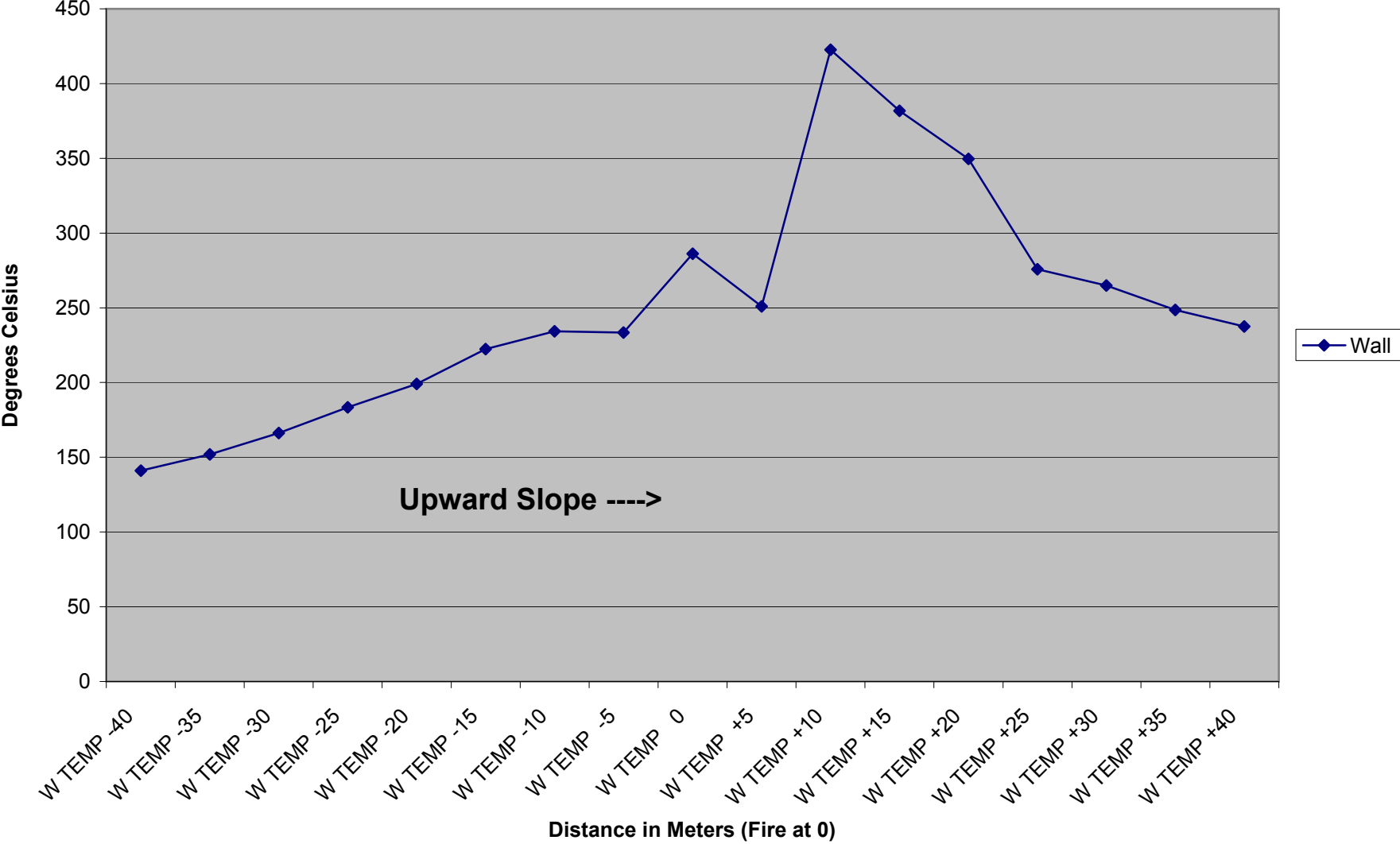


Tunnel Wall Temperatures



Wall temperatures

TIME	W TEMP -40	W TEMP -35	W TEMP -30	W TEMP -25	W TEMP -20	W TEMP -15	W TEMP -10	W TEMP -5
s	tmp	tmp	tmp	tmp	tmp	tmp	tmp	tmp
	C	C	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	2.12E+01	2.15E+01	2.20E+01	2.28E+01	2.40E+01	2.54E+01	2.74E+01	3.23E+01
6.00E+01	2.55E+01	2.64E+01	2.81E+01	3.08E+01	3.44E+01	3.73E+01	4.05E+01	4.62E+01
9.00E+01	3.03E+01	3.13E+01	3.32E+01	3.62E+01	4.02E+01	4.36E+01	4.81E+01	5.52E+01
1.20E+02	3.50E+01	3.64E+01	3.87E+01	4.20E+01	4.63E+01	5.03E+01	5.65E+01	6.66E+01
1.50E+02	3.94E+01	4.10E+01	4.37E+01	4.74E+01	5.19E+01	5.67E+01	6.39E+01	7.38E+01
1.80E+02	4.49E+01	4.68E+01	4.95E+01	5.34E+01	5.79E+01	6.29E+01	7.03E+01	7.86E+01
2.10E+02	4.94E+01	5.12E+01	5.40E+01	5.78E+01	6.22E+01	6.78E+01	7.58E+01	8.48E+01
2.40E+02	5.30E+01	5.51E+01	5.81E+01	6.23E+01	6.73E+01	7.33E+01	8.21E+01	9.10E+01
2.70E+02	5.62E+01	5.83E+01	6.15E+01	6.62E+01	7.21E+01	7.88E+01	9.03E+01	9.98E+01
3.00E+02	5.90E+01	6.14E+01	6.50E+01	7.07E+01	7.76E+01	8.55E+01	9.87E+01	1.11E+02
3.30E+02	6.17E+01	6.43E+01	6.86E+01	7.54E+01	8.40E+01	9.37E+01	1.10E+02	1.28E+02
3.60E+02	6.49E+01	6.79E+01	7.27E+01	8.02E+01	8.93E+01	9.99E+01	1.17E+02	1.34E+02
3.90E+02	6.90E+01	7.23E+01	7.71E+01	8.43E+01	9.31E+01	1.04E+02	1.20E+02	1.36E+02
4.20E+02	7.27E+01	7.63E+01	8.16E+01	8.90E+01	9.80E+01	1.09E+02	1.27E+02	1.39E+02
4.50E+02	7.67E+01	8.07E+01	8.62E+01	9.40E+01	1.03E+02	1.15E+02	1.34E+02	1.43E+02
4.80E+02	8.00E+01	8.42E+01	9.00E+01	9.80E+01	1.07E+02	1.20E+02	1.39E+02	1.46E+02
5.10E+02	8.32E+01	8.76E+01	9.37E+01	1.02E+02	1.12E+02	1.25E+02	1.44E+02	1.49E+02
5.40E+02	8.53E+01	8.96E+01	9.56E+01	1.04E+02	1.14E+02	1.28E+02	1.49E+02	1.64E+02
5.70E+02	8.67E+01	9.12E+01	9.79E+01	1.08E+02	1.20E+02	1.36E+02	1.62E+02	1.92E+02
6.00E+02	8.83E+01	9.28E+01	9.99E+01	1.11E+02	1.24E+02	1.41E+02	1.70E+02	2.03E+02
6.30E+02	9.02E+01	9.50E+01	1.03E+02	1.15E+02	1.29E+02	1.48E+02	1.80E+02	2.26E+02
6.60E+02	9.22E+01	9.71E+01	1.05E+02	1.18E+02	1.32E+02	1.52E+02	1.85E+02	2.26E+02
6.90E+02	9.47E+01	1.00E+02	1.09E+02	1.23E+02	1.37E+02	1.56E+02	1.85E+02	2.12E+02
7.20E+02	9.74E+01	1.04E+02	1.13E+02	1.27E+02	1.41E+02	1.58E+02	1.85E+02	2.02E+02
7.50E+02	9.95E+01	1.06E+02	1.16E+02	1.29E+02	1.42E+02	1.59E+02	1.84E+02	1.97E+02
7.80E+02	1.01E+02	1.08E+02	1.17E+02	1.30E+02	1.43E+02	1.58E+02	1.82E+02	1.92E+02
8.10E+02	1.01E+02	1.08E+02	1.18E+02	1.31E+02	1.43E+02	1.58E+02	1.80E+02	1.89E+02
8.40E+02	1.04E+02	1.11E+02	1.21E+02	1.34E+02	1.47E+02	1.62E+02	1.84E+02	1.91E+02
8.70E+02	1.05E+02	1.13E+02	1.23E+02	1.37E+02	1.49E+02	1.65E+02	1.88E+02	1.93E+02
9.00E+02	1.07E+02	1.14E+02	1.26E+02	1.39E+02	1.53E+02	1.68E+02	1.91E+02	1.96E+02
9.30E+02	1.07E+02	1.14E+02	1.26E+02	1.40E+02	1.54E+02	1.70E+02	1.93E+02	1.97E+02
9.60E+02	1.06E+02	1.14E+02	1.26E+02	1.41E+02	1.54E+02	1.70E+02	1.93E+02	1.96E+02
9.90E+02	1.06E+02	1.13E+02	1.25E+02	1.39E+02	1.52E+02	1.67E+02	1.88E+02	1.94E+02
1.02E+03	1.04E+02	1.11E+02	1.22E+02	1.38E+02	1.50E+02	1.66E+02	1.87E+02	1.94E+02
1.05E+03	1.05E+02	1.12E+02	1.23E+02	1.39E+02	1.51E+02	1.67E+02	1.89E+02	1.94E+02
1.08E+03	1.05E+02	1.13E+02	1.24E+02	1.40E+02	1.52E+02	1.68E+02	1.89E+02	1.93E+02
1.11E+03	1.07E+02	1.15E+02	1.26E+02	1.42E+02	1.54E+02	1.70E+02	1.90E+02	1.92E+02
1.14E+03	1.07E+02	1.15E+02	1.26E+02	1.42E+02	1.54E+02	1.71E+02	1.92E+02	1.95E+02
1.17E+03	1.08E+02	1.15E+02	1.26E+02	1.42E+02	1.56E+02	1.72E+02	1.93E+02	1.96E+02
1.20E+03	1.09E+02	1.17E+02	1.28E+02	1.44E+02	1.58E+02	1.75E+02	1.96E+02	1.98E+02
1.23E+03	1.11E+02	1.19E+02	1.30E+02	1.47E+02	1.61E+02	1.79E+02	1.99E+02	2.01E+02
1.26E+03	1.13E+02	1.22E+02	1.34E+02	1.50E+02	1.65E+02	1.82E+02	2.01E+02	2.05E+02
1.29E+03	1.14E+02	1.22E+02	1.34E+02	1.51E+02	1.66E+02	1.84E+02	2.04E+02	2.07E+02
1.32E+03	1.15E+02	1.23E+02	1.35E+02	1.52E+02	1.67E+02	1.85E+02	2.05E+02	2.07E+02
1.35E+03	1.17E+02	1.25E+02	1.37E+02	1.54E+02	1.69E+02	1.87E+02	2.06E+02	2.07E+02
1.38E+03	1.19E+02	1.28E+02	1.41E+02	1.57E+02	1.73E+02	1.92E+02	2.10E+02	2.10E+02
1.41E+03	1.22E+02	1.31E+02	1.44E+02	1.61E+02	1.76E+02	1.97E+02	2.13E+02	2.13E+02

1.44E+03	1.24E+02	1.33E+02	1.46E+02	1.63E+02	1.79E+02	2.00E+02	2.14E+02	2.15E+02
1.47E+03	1.26E+02	1.35E+02	1.49E+02	1.65E+02	1.80E+02	2.01E+02	2.16E+02	2.16E+02
1.50E+03	1.28E+02	1.37E+02	1.51E+02	1.67E+02	1.82E+02	2.04E+02	2.18E+02	2.19E+02
1.53E+03	1.29E+02	1.39E+02	1.52E+02	1.69E+02	1.84E+02	2.06E+02	2.21E+02	2.21E+02
1.56E+03	1.30E+02	1.40E+02	1.53E+02	1.70E+02	1.86E+02	2.08E+02	2.23E+02	2.22E+02
1.59E+03	1.31E+02	1.41E+02	1.55E+02	1.72E+02	1.88E+02	2.09E+02	2.24E+02	2.23E+02
1.62E+03	1.33E+02	1.43E+02	1.57E+02	1.74E+02	1.90E+02	2.12E+02	2.26E+02	2.25E+02
1.65E+03	1.35E+02	1.45E+02	1.59E+02	1.76E+02	1.91E+02	2.13E+02	2.27E+02	2.27E+02
1.68E+03	1.36E+02	1.47E+02	1.61E+02	1.78E+02	1.93E+02	2.16E+02	2.29E+02	2.28E+02
1.71E+03	1.38E+02	1.48E+02	1.63E+02	1.80E+02	1.96E+02	2.20E+02	2.32E+02	2.30E+02
1.74E+03	1.39E+02	1.50E+02	1.64E+02	1.82E+02	1.98E+02	2.22E+02	2.34E+02	2.32E+02
1.77E+03	1.41E+02	1.52E+02	1.66E+02	1.83E+02	1.99E+02	2.22E+02	2.34E+02	2.33E+02

W TEMP -40 W TEMP -35 W TEMP -30 W TEMP -25 W TEMP -20 W TEMP -15 W TEMP -10 W TEMP -5

1.41E+02	1.52E+02	1.66E+02	1.83E+02	1.99E+02	2.22E+02	2.34E+02	2.33E+02
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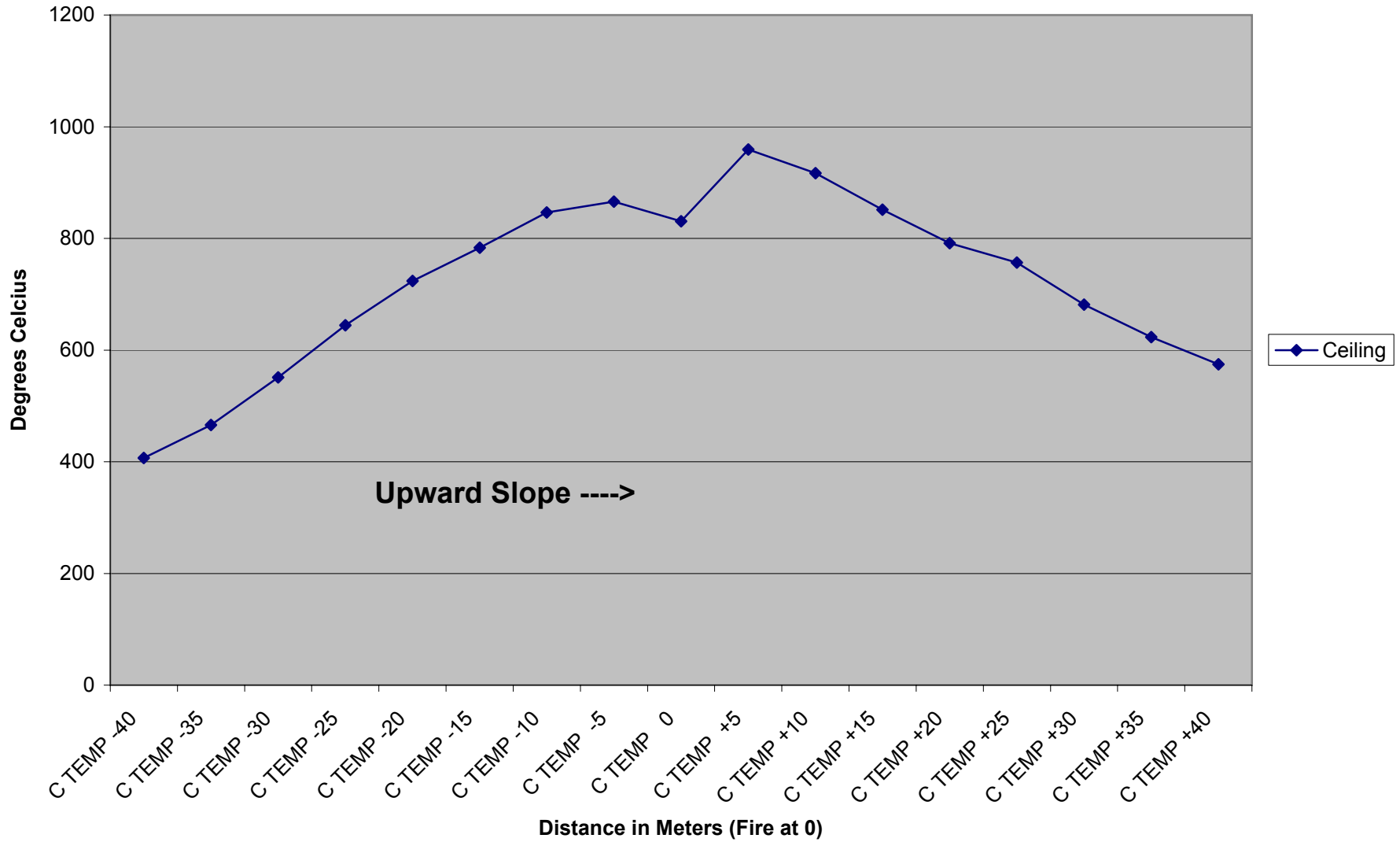
W TEMP 0 tmp C	W TEMP +5 tmp C	W TEMP +10 tmp C	W TEMP +15 tmp C	W TEMP +20 tmp C	W TEMP +25 tmp C	W TEMP +30 tmp C	W TEMP +35 tmp C	W TEMP +40 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
4.31E+01	2.90E+01	2.57E+01	2.43E+01	2.35E+01	2.30E+01	2.23E+01	2.18E+01	2.15E+01
5.97E+01	4.72E+01	4.39E+01	3.72E+01	3.24E+01	2.95E+01	2.72E+01	2.58E+01	2.52E+01
7.51E+01	6.04E+01	5.68E+01	4.72E+01	3.98E+01	3.51E+01	3.19E+01	3.01E+01	2.94E+01
8.74E+01	5.72E+01	5.56E+01	4.80E+01	4.27E+01	3.88E+01	3.55E+01	3.36E+01	3.28E+01
1.00E+02	6.20E+01	5.86E+01	5.01E+01	4.60E+01	4.24E+01	3.95E+01	3.76E+01	3.67E+01
1.22E+02	7.54E+01	6.24E+01	5.38E+01	4.94E+01	4.62E+01	4.34E+01	4.16E+01	4.06E+01
1.35E+02	7.87E+01	6.89E+01	5.87E+01	5.34E+01	5.02E+01	4.76E+01	4.57E+01	4.47E+01
1.48E+02	8.15E+01	7.39E+01	6.24E+01	5.70E+01	5.40E+01	5.15E+01	4.95E+01	4.84E+01
1.57E+02	8.00E+01	8.03E+01	6.62E+01	6.01E+01	5.68E+01	5.46E+01	5.26E+01	5.15E+01
1.67E+02	8.02E+01	8.71E+01	6.93E+01	6.36E+01	6.02E+01	5.79E+01	5.58E+01	5.46E+01
1.82E+02	8.38E+01	9.61E+01	7.46E+01	6.88E+01	6.48E+01	6.19E+01	5.95E+01	5.82E+01
1.91E+02	9.52E+01	1.00E+02	8.65E+01	7.45E+01	7.00E+01	6.70E+01	6.45E+01	6.31E+01
2.01E+02	1.18E+02	9.70E+01	9.95E+01	7.98E+01	7.48E+01	7.20E+01	6.95E+01	6.79E+01
2.13E+02	1.62E+02	9.41E+01	1.09E+02	8.68E+01	7.98E+01	7.71E+01	7.48E+01	7.30E+01
2.25E+02	2.12E+02	9.57E+01	1.20E+02	9.44E+01	8.51E+01	8.21E+01	7.97E+01	7.77E+01
2.35E+02	2.41E+02	9.84E+01	1.33E+02	1.02E+02	9.08E+01	8.72E+01	8.46E+01	8.24E+01
2.48E+02	2.42E+02	1.03E+02	1.48E+02	1.08E+02	9.64E+01	9.27E+01	8.95E+01	8.68E+01
2.55E+02	2.00E+02	1.20E+02	1.41E+02	1.08E+02	9.85E+01	9.42E+01	9.09E+01	8.84E+01
2.66E+02	1.79E+02	1.44E+02	1.35E+02	1.12E+02	1.02E+02	9.74E+01	9.36E+01	9.11E+01
2.71E+02	1.72E+02	1.69E+02	1.33E+02	1.18E+02	1.07E+02	1.02E+02	9.77E+01	9.48E+01
2.85E+02	1.66E+02	1.86E+02	1.35E+02	1.23E+02	1.11E+02	1.06E+02	1.01E+02	9.79E+01
2.83E+02	1.80E+02	1.92E+02	1.53E+02	1.32E+02	1.18E+02	1.12E+02	1.07E+02	1.03E+02
2.75E+02	1.95E+02	1.90E+02	1.88E+02	1.61E+02	1.37E+02	1.29E+02	1.22E+02	1.17E+02
2.65E+02	1.92E+02	2.11E+02	2.17E+02	1.97E+02	1.58E+02	1.50E+02	1.40E+02	1.35E+02
2.54E+02	1.91E+02	2.40E+02	2.67E+02	2.19E+02	1.78E+02	1.68E+02	1.58E+02	1.52E+02
2.45E+02	1.91E+02	2.35E+02	2.95E+02	2.33E+02	1.91E+02	1.81E+02	1.72E+02	1.66E+02
2.37E+02	1.90E+02	2.53E+02	3.08E+02	2.50E+02	2.08E+02	1.98E+02	1.89E+02	1.83E+02
2.36E+02	1.94E+02	2.90E+02	3.10E+02	2.76E+02	2.34E+02	2.24E+02	2.14E+02	2.08E+02
2.37E+02	1.99E+02	3.00E+02	2.97E+02	2.97E+02	2.47E+02	2.36E+02	2.26E+02	2.21E+02
2.36E+02	2.00E+02	2.93E+02	2.92E+02	3.18E+02	2.65E+02	2.56E+02	2.44E+02	2.38E+02
2.38E+02	2.06E+02	2.86E+02	3.07E+02	3.03E+02	2.77E+02	2.65E+02	2.46E+02	2.38E+02
2.38E+02	2.10E+02	2.74E+02	3.00E+02	2.71E+02	2.41E+02	2.35E+02	2.25E+02	2.19E+02
2.32E+02	2.08E+02	2.62E+02	2.92E+02	2.48E+02	2.22E+02	2.18E+02	2.10E+02	2.05E+02
2.31E+02	2.08E+02	2.64E+02	2.98E+02	2.32E+02	2.14E+02	2.11E+02	2.02E+02	1.96E+02
2.29E+02	2.03E+02	2.63E+02	2.84E+02	2.31E+02	2.13E+02	2.09E+02	1.99E+02	1.93E+02
2.30E+02	2.03E+02	2.61E+02	2.75E+02	2.26E+02	2.09E+02	2.05E+02	1.96E+02	1.90E+02
2.30E+02	2.03E+02	2.73E+02	2.67E+02	2.28E+02	2.09E+02	2.04E+02	1.95E+02	1.89E+02
2.32E+02	2.07E+02	2.84E+02	2.96E+02	2.24E+02	2.11E+02	2.06E+02	1.97E+02	1.90E+02
2.34E+02	2.08E+02	2.86E+02	3.06E+02	2.24E+02	2.13E+02	2.08E+02	1.97E+02	1.90E+02
2.38E+02	2.11E+02	2.96E+02	3.17E+02	2.26E+02	2.13E+02	2.09E+02	1.98E+02	1.92E+02
2.42E+02	2.12E+02	3.05E+02	3.16E+02	2.33E+02	2.17E+02	2.12E+02	2.00E+02	1.93E+02
2.40E+02	2.11E+02	3.11E+02	3.09E+02	2.50E+02	2.23E+02	2.16E+02	2.04E+02	1.96E+02
2.44E+02	2.17E+02	3.20E+02	3.34E+02	2.51E+02	2.29E+02	2.20E+02	2.07E+02	1.99E+02
2.42E+02	2.18E+02	3.21E+02	3.29E+02	2.68E+02	2.44E+02	2.30E+02	2.14E+02	2.05E+02
2.42E+02	2.22E+02	3.30E+02	3.18E+02	2.78E+02	2.48E+02	2.30E+02	2.15E+02	2.06E+02
2.50E+02	2.24E+02	3.51E+02	3.13E+02	2.80E+02	2.44E+02	2.30E+02	2.16E+02	2.07E+02
2.56E+02	2.23E+02	3.69E+02	3.14E+02	2.89E+02	2.45E+02	2.32E+02	2.19E+02	2.11E+02

2.59E+02	2.24E+02	3.76E+02	3.17E+02	3.10E+02	2.53E+02	2.35E+02	2.22E+02	2.13E+02
2.62E+02	2.26E+02	3.86E+02	3.27E+02	3.11E+02	2.56E+02	2.39E+02	2.25E+02	2.16E+02
2.65E+02	2.27E+02	3.95E+02	3.35E+02	3.13E+02	2.58E+02	2.40E+02	2.27E+02	2.17E+02
2.68E+02	2.29E+02	3.97E+02	3.38E+02	3.26E+02	2.62E+02	2.43E+02	2.30E+02	2.20E+02
2.71E+02	2.31E+02	3.95E+02	3.41E+02	3.35E+02	2.65E+02	2.49E+02	2.34E+02	2.23E+02
2.73E+02	2.33E+02	3.92E+02	3.42E+02	3.42E+02	2.66E+02	2.50E+02	2.37E+02	2.26E+02
2.76E+02	2.37E+02	4.02E+02	3.48E+02	3.39E+02	2.66E+02	2.48E+02	2.37E+02	2.27E+02
2.77E+02	2.41E+02	4.00E+02	3.50E+02	3.46E+02	2.69E+02	2.49E+02	2.38E+02	2.29E+02
2.78E+02	2.43E+02	3.99E+02	3.55E+02	3.50E+02	2.72E+02	2.51E+02	2.40E+02	2.31E+02
2.81E+02	2.47E+02	4.07E+02	3.58E+02	3.47E+02	2.73E+02	2.54E+02	2.43E+02	2.33E+02
2.85E+02	2.47E+02	4.21E+02	3.72E+02	3.49E+02	2.76E+02	2.59E+02	2.47E+02	2.36E+02
2.86E+02	2.51E+02	4.23E+02	3.82E+02	3.40E+02	2.76E+02	2.62E+02	2.49E+02	2.37E+02

W TEMP 0 W TEMP +5 W TEMP +10 W TEMP +15 W TEMP +20 W TEMP +25 W TEMP +30 W TEMP +35 W TEMP +40

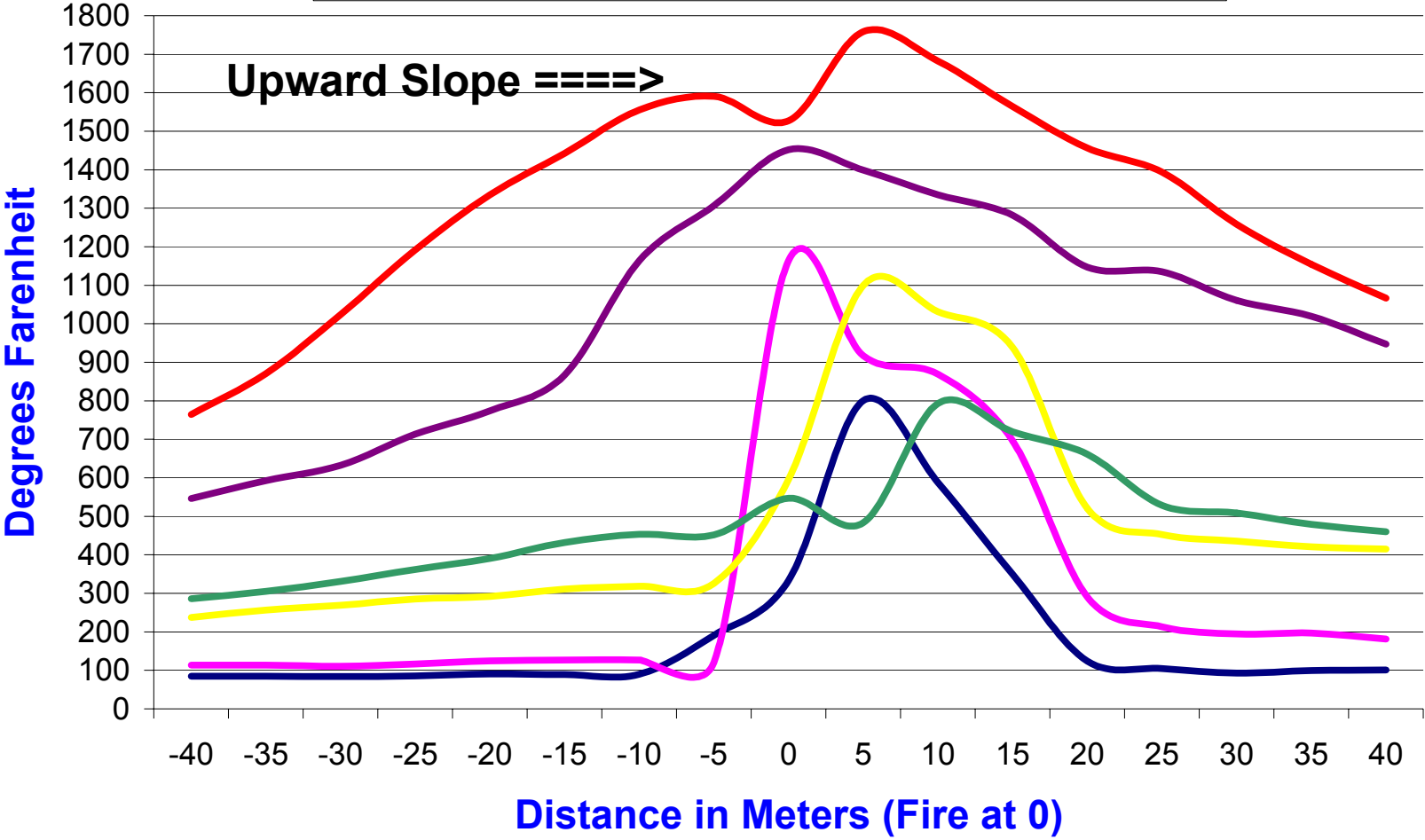
2.86E+02	2.51E+02	4.23E+02	3.82E+02	3.50E+02	2.76E+02	2.65E+02	2.49E+02	2.38E+02
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Tunnel Ceiling Temperatures

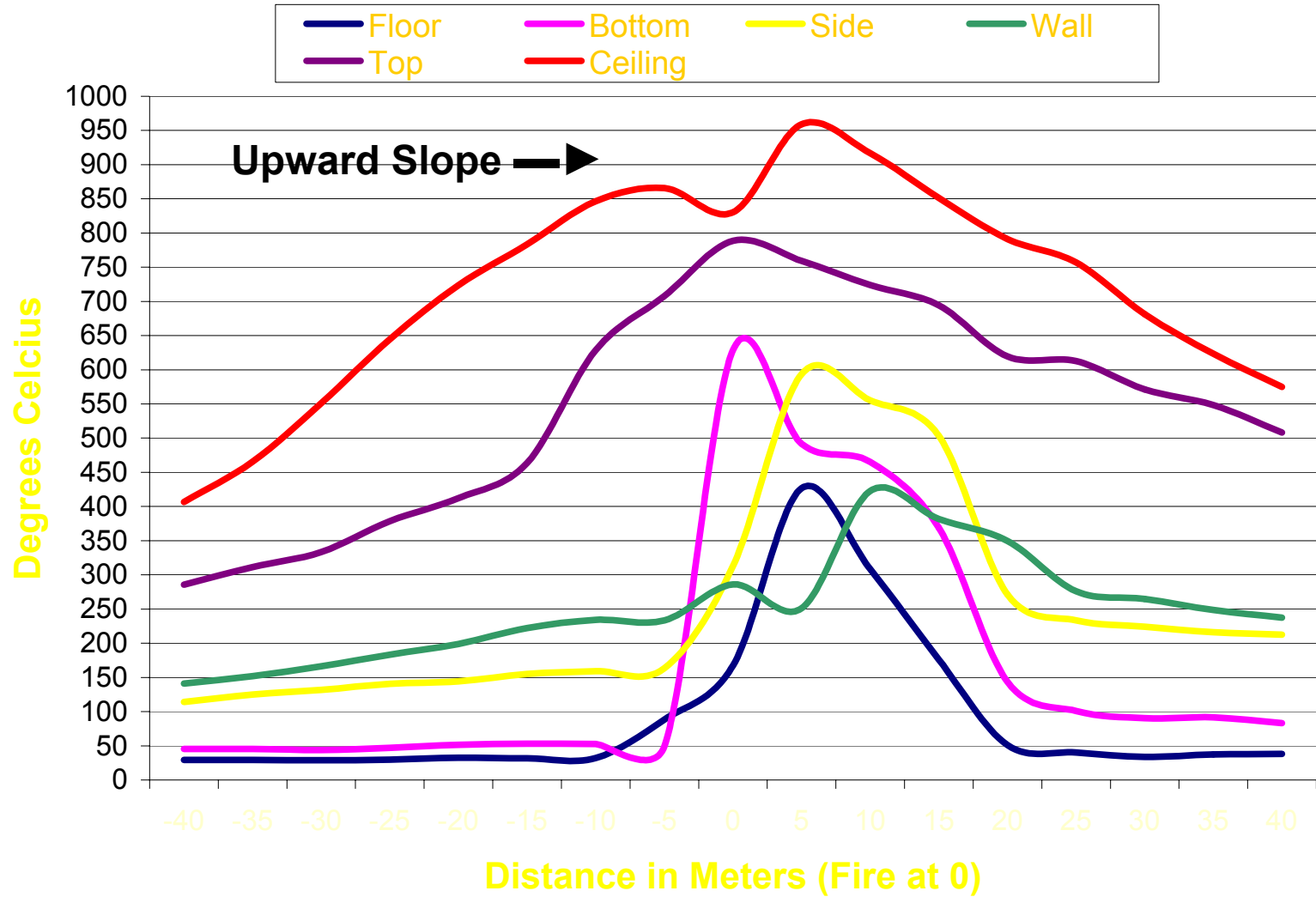


Tunnel Temperatures

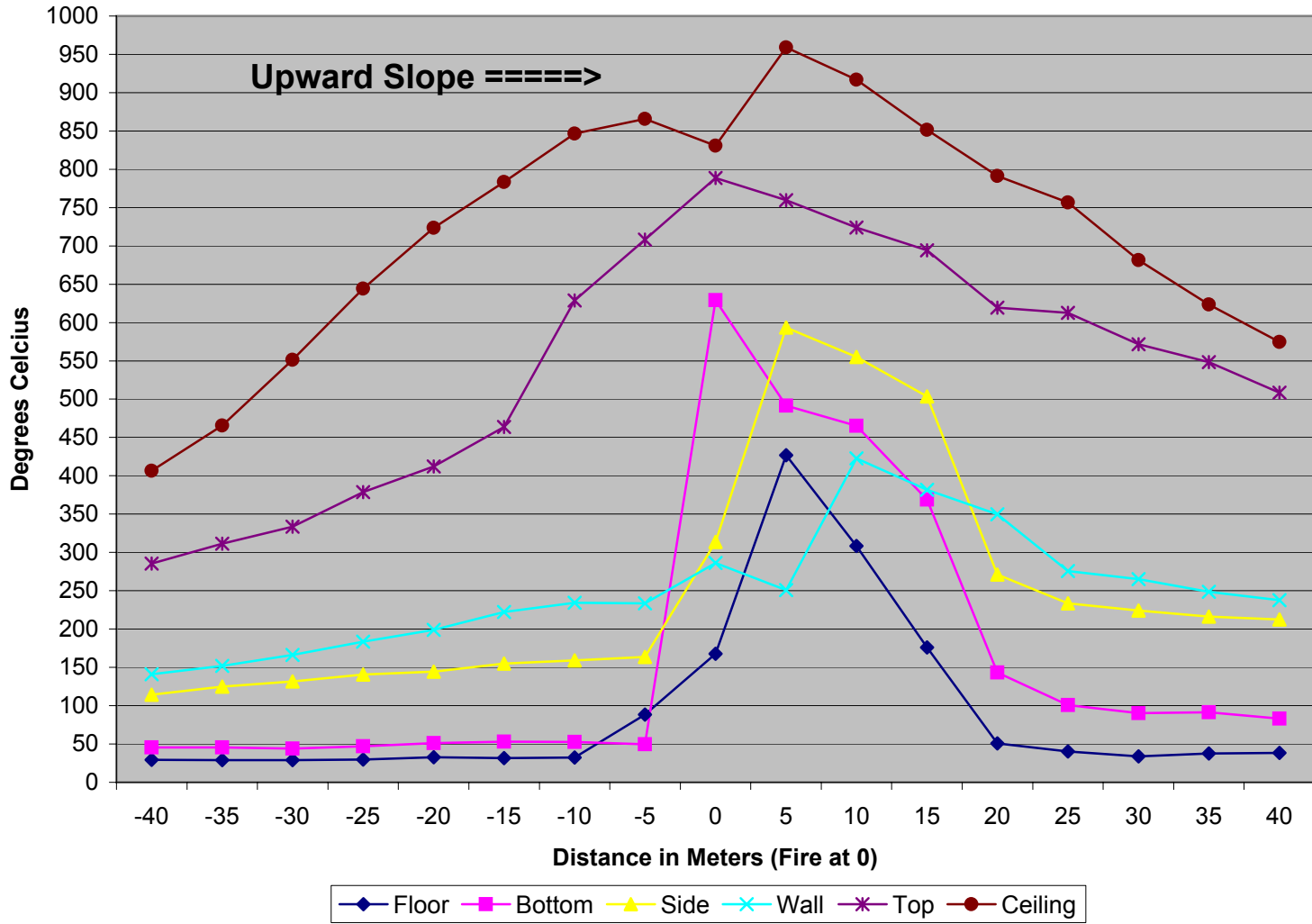
Original Data



Tunnel Temperatures



Tunnel Temperatures



Location	-40	-35	-30	-25	-20	-15	-10
°C							
Tunnel Floor	2.92E+01	2.91E+01	2.89E+01	2.99E+01	3.26E+01	3.17E+01	3.22E+01
Bottom of Boxcar	4.53E+01	4.55E+01	4.38E+01	4.68E+01	5.13E+01	5.29E+01	5.26E+01
Side of Boxcar	1.14E+02	1.25E+02	1.32E+02	1.41E+02	1.44E+02	1.55E+02	1.59E+02
Tunnel Wall	1.41E+02	1.52E+02	1.66E+02	1.83E+02	1.99E+02	2.22E+02	2.34E+02
Top of Boxcar	2.86E+02	3.11E+02	3.34E+02	3.79E+02	4.12E+02	4.64E+02	6.29E+02
Tunnel Ceiling	4.07E+02	4.66E+02	5.51E+02	6.44E+02	7.24E+02	7.83E+02	8.46E+02
°F							
Tunnel Floor	84.5888	84.44876	84.00776	85.78634	90.73508	89.0222	89.98682
Bottom of Boxcar	113.5985	113.8242	110.9007	116.2886	124.3884	127.1426	126.6134
Side of Boxcar	237.6068	256.7948	268.8836	285.3392	291.6338	311.1026	318.38
Tunnel Wall	285.971	305.5082	331.2914	362.048	390.2972	432.1346	453.5762
Top of Boxcar	545.9918	592.6982	632.3918	713.354	773.7404	866.7176	1164.114
Tunnel Ceiling	764.0312	870.2618	1024.164	1191.679	1334.676	1442.28	1555.529
Average	338.6314	370.5893	408.6065	459.0825	500.9119	544.7333	618.0332

-5 0 5 10 15 20 25 30 35

8.83E+01	1.68E+02	4.27E+02	3.08E+02	1.76E+02	5.09E+01	4.03E+01	3.39E+01	3.74E+01
4.96E+01	6.29E+02	4.92E+02	4.65E+02	3.69E+02	1.43E+02	1.01E+02	9.03E+01	9.15E+01
1.63E+02	3.14E+02	5.93E+02	5.55E+02	5.04E+02	2.71E+02	2.34E+02	2.24E+02	2.16E+02
2.33E+02	2.86E+02	2.51E+02	4.23E+02	3.82E+02	3.50E+02	2.76E+02	2.65E+02	2.49E+02
7.08E+02	7.89E+02	7.60E+02	7.24E+02	6.94E+02	6.20E+02	6.13E+02	5.72E+02	5.48E+02
8.66E+02	8.31E+02	9.59E+02	9.17E+02	8.51E+02	7.91E+02	7.57E+02	6.81E+02	6.23E+02

190.8835	333.6746	800.357	587.1992	349.1114	123.6762	104.4752	92.99732	99.37796
121.2159	1164.357	916.9574	869.198	696.191	290.0534	213.224	194.6068	196.6917
326.156	596.4134	1100.041	1031.283	938.4458	520.3418	452.4674	435.7886	421.1006
452.0624	547.061	483.7874	792.842	719.1878	661.3826	528.5264	508.91	479.327
1306.551	1451.748	1399.152	1334.955	1281.522	1147.222	1135.04	1060.725	1019.19
1590.598	1527.175	1758.369	1682.281	1564.394	1456.212	1394.157	1258.426	1154.197
664.5779	936.7382	1076.444	1049.626	924.8087	699.8148	637.9817	591.9091	561.6475

40

3.83E+01
8.31E+01
2.13E+02
2.38E+02
5.08E+02
5.75E+02

100.8682
181.5937
414.7232
459.5828
946.9526
1066.534

528.3757

Ceiling temperatures

TIME	C TEMP -40	C TEMP -35	C TEMP -30	C TEMP -25	C TEMP -20	C TEMP -15	C TEMP -10	C TEMP -5
s	tmp	tmp	tmp	tmp	tmp	tmp	tmp	tmp
	C	C	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	5.10E+01	5.86E+01	7.63E+01	9.83E+01	1.12E+02	1.44E+02	1.72E+02	1.78E+02
6.00E+01	1.15E+02	1.37E+02	1.72E+02	2.20E+02	2.73E+02	3.18E+02	3.44E+02	3.21E+02
9.00E+01	1.38E+02	1.66E+02	2.11E+02	2.75E+02	3.42E+02	4.09E+02	4.56E+02	4.43E+02
1.20E+02	1.63E+02	1.97E+02	2.59E+02	3.40E+02	4.09E+02	5.09E+02	6.30E+02	6.77E+02
1.50E+02	1.78E+02	2.10E+02	2.69E+02	3.48E+02	4.24E+02	5.26E+02	6.57E+02	7.46E+02
1.80E+02	1.84E+02	2.15E+02	2.67E+02	3.36E+02	4.03E+02	4.91E+02	6.03E+02	6.80E+02
2.10E+02	1.98E+02	2.30E+02	2.85E+02	3.58E+02	4.30E+02	5.24E+02	6.53E+02	7.45E+02
2.40E+02	2.15E+02	2.52E+02	3.14E+02	3.95E+02	4.68E+02	5.67E+02	7.04E+02	7.84E+02
2.70E+02	2.40E+02	2.84E+02	3.57E+02	4.57E+02	5.48E+02	6.69E+02	8.15E+02	8.66E+02
3.00E+02	2.72E+02	3.24E+02	4.10E+02	5.22E+02	6.17E+02	7.31E+02	8.36E+02	8.28E+02
3.30E+02	2.99E+02	3.54E+02	4.40E+02	5.46E+02	6.44E+02	7.54E+02	8.38E+02	7.89E+02
3.60E+02	3.04E+02	3.56E+02	4.37E+02	5.33E+02	6.15E+02	7.04E+02	7.88E+02	8.24E+02
3.90E+02	3.01E+02	3.47E+02	4.18E+02	5.02E+02	5.81E+02	6.68E+02	7.76E+02	8.63E+02
4.20E+02	3.02E+02	3.46E+02	4.11E+02	4.86E+02	5.56E+02	6.30E+02	7.17E+02	7.92E+02
4.50E+02	3.03E+02	3.45E+02	4.06E+02	4.74E+02	5.38E+02	6.05E+02	6.80E+02	7.41E+02
4.80E+02	3.06E+02	3.47E+02	4.05E+02	4.71E+02	5.33E+02	6.00E+02	6.80E+02	7.54E+02
5.10E+02	3.10E+02	3.50E+02	4.07E+02	4.72E+02	5.35E+02	6.05E+02	6.92E+02	7.62E+02
5.40E+02	3.37E+02	3.85E+02	4.59E+02	5.45E+02	6.23E+02	7.16E+02	8.14E+02	8.17E+02
5.70E+02	3.72E+02	4.28E+02	5.10E+02	6.05E+02	6.85E+02	7.66E+02	8.31E+02	7.52E+02
6.00E+02	3.85E+02	4.42E+02	5.25E+02	6.19E+02	6.99E+02	7.82E+02	8.46E+02	7.74E+02
6.30E+02	4.06E+02	4.66E+02	5.51E+02	6.44E+02	7.24E+02	7.83E+02	8.13E+02	7.39E+02
6.60E+02	4.07E+02	4.62E+02	5.39E+02	6.22E+02	6.91E+02	7.51E+02	7.98E+02	7.23E+02
6.90E+02	3.84E+02	4.29E+02	4.91E+02	5.53E+02	6.03E+02	6.45E+02	6.76E+02	6.48E+02
7.20E+02	3.67E+02	4.07E+02	4.60E+02	5.13E+02	5.55E+02	5.89E+02	6.14E+02	6.01E+02
7.50E+02	3.56E+02	3.92E+02	4.40E+02	4.89E+02	5.27E+02	5.60E+02	5.87E+02	5.86E+02
7.80E+02	3.48E+02	3.82E+02	4.27E+02	4.73E+02	5.10E+02	5.44E+02	5.77E+02	5.87E+02
8.10E+02	3.41E+02	3.74E+02	4.17E+02	4.61E+02	4.98E+02	5.34E+02	5.71E+02	5.88E+02
8.40E+02	3.38E+02	3.69E+02	4.11E+02	4.53E+02	4.89E+02	5.23E+02	5.57E+02	5.75E+02
8.70E+02	3.35E+02	3.66E+02	4.06E+02	4.48E+02	4.84E+02	5.18E+02	5.55E+02	5.75E+02
9.00E+02	3.31E+02	3.60E+02	3.99E+02	4.38E+02	4.71E+02	5.02E+02	5.33E+02	5.52E+02
9.30E+02	3.25E+02	3.54E+02	3.90E+02	4.28E+02	4.59E+02	4.89E+02	5.18E+02	5.36E+02
9.60E+02	3.19E+02	3.46E+02	3.81E+02	4.16E+02	4.46E+02	4.74E+02	5.00E+02	5.15E+02
9.90E+02	3.16E+02	3.43E+02	3.80E+02	4.17E+02	4.47E+02	4.77E+02	5.06E+02	5.23E+02
1.02E+03	3.09E+02	3.35E+02	3.68E+02	4.02E+02	4.30E+02	4.56E+02	4.80E+02	4.91E+02
1.05E+03	3.06E+02	3.30E+02	3.62E+02	3.95E+02	4.21E+02	4.46E+02	4.70E+02	4.81E+02
1.08E+03	3.04E+02	3.28E+02	3.59E+02	3.90E+02	4.16E+02	4.40E+02	4.62E+02	4.73E+02
1.11E+03	3.04E+02	3.28E+02	3.59E+02	3.92E+02	4.18E+02	4.42E+02	4.66E+02	4.79E+02
1.14E+03	3.01E+02	3.24E+02	3.54E+02	3.85E+02	4.10E+02	4.34E+02	4.57E+02	4.69E+02
1.17E+03	2.99E+02	3.22E+02	3.51E+02	3.81E+02	4.05E+02	4.28E+02	4.51E+02	4.61E+02
1.20E+03	2.99E+02	3.21E+02	3.50E+02	3.79E+02	4.03E+02	4.26E+02	4.49E+02	4.61E+02
1.23E+03	2.99E+02	3.21E+02	3.50E+02	3.78E+02	4.02E+02	4.25E+02	4.49E+02	4.63E+02
1.26E+03	3.02E+02	3.24E+02	3.52E+02	3.81E+02	4.06E+02	4.31E+02	4.58E+02	4.75E+02
1.29E+03	3.02E+02	3.23E+02	3.51E+02	3.80E+02	4.04E+02	4.28E+02	4.52E+02	4.66E+02
1.32E+03	3.01E+02	3.22E+02	3.50E+02	3.78E+02	4.03E+02	4.26E+02	4.52E+02	4.67E+02
1.35E+03	3.04E+02	3.26E+02	3.54E+02	3.83E+02	4.09E+02	4.36E+02	4.67E+02	4.88E+02
1.38E+03	3.07E+02	3.29E+02	3.57E+02	3.86E+02	4.12E+02	4.38E+02	4.66E+02	4.85E+02
1.41E+03	3.09E+02	3.31E+02	3.58E+02	3.87E+02	4.12E+02	4.37E+02	4.64E+02	4.82E+02

1.44E+03	3.10E+02	3.31E+02	3.58E+02	3.86E+02	4.11E+02	4.35E+02	4.61E+02	4.78E+02
1.47E+03	3.12E+02	3.33E+02	3.61E+02	3.90E+02	4.16E+02	4.42E+02	4.72E+02	4.92E+02
1.50E+03	3.14E+02	3.35E+02	3.62E+02	3.91E+02	4.16E+02	4.40E+02	4.68E+02	4.86E+02
1.53E+03	3.14E+02	3.35E+02	3.62E+02	3.90E+02	4.14E+02	4.38E+02	4.63E+02	4.80E+02
1.56E+03	3.15E+02	3.35E+02	3.62E+02	3.89E+02	4.13E+02	4.36E+02	4.60E+02	4.77E+02
1.59E+03	3.16E+02	3.36E+02	3.63E+02	3.90E+02	4.14E+02	4.37E+02	4.62E+02	4.81E+02
1.62E+03	3.18E+02	3.38E+02	3.65E+02	3.92E+02	4.16E+02	4.40E+02	4.65E+02	4.83E+02
1.65E+03	3.19E+02	3.40E+02	3.66E+02	3.94E+02	4.18E+02	4.42E+02	4.68E+02	4.86E+02
1.68E+03	3.22E+02	3.42E+02	3.69E+02	3.97E+02	4.22E+02	4.46E+02	4.73E+02	4.89E+02
1.71E+03	3.23E+02	3.44E+02	3.71E+02	3.99E+02	4.24E+02	4.49E+02	4.75E+02	4.88E+02
1.74E+03	3.25E+02	3.46E+02	3.72E+02	4.00E+02	4.25E+02	4.49E+02	4.75E+02	4.92E+02
1.77E+03	3.28E+02	3.48E+02	3.75E+02	4.04E+02	4.29E+02	4.54E+02	4.81E+02	4.98E+02

C TEMP -40 C TEMP -35 C TEMP -30 C TEMP -25 C TEMP -20 C TEMP -15 C TEMP -10 C TEMP -5

4.07E+02	4.66E+02	5.51E+02	6.44E+02	7.24E+02	7.83E+02	8.46E+02	8.66E+02
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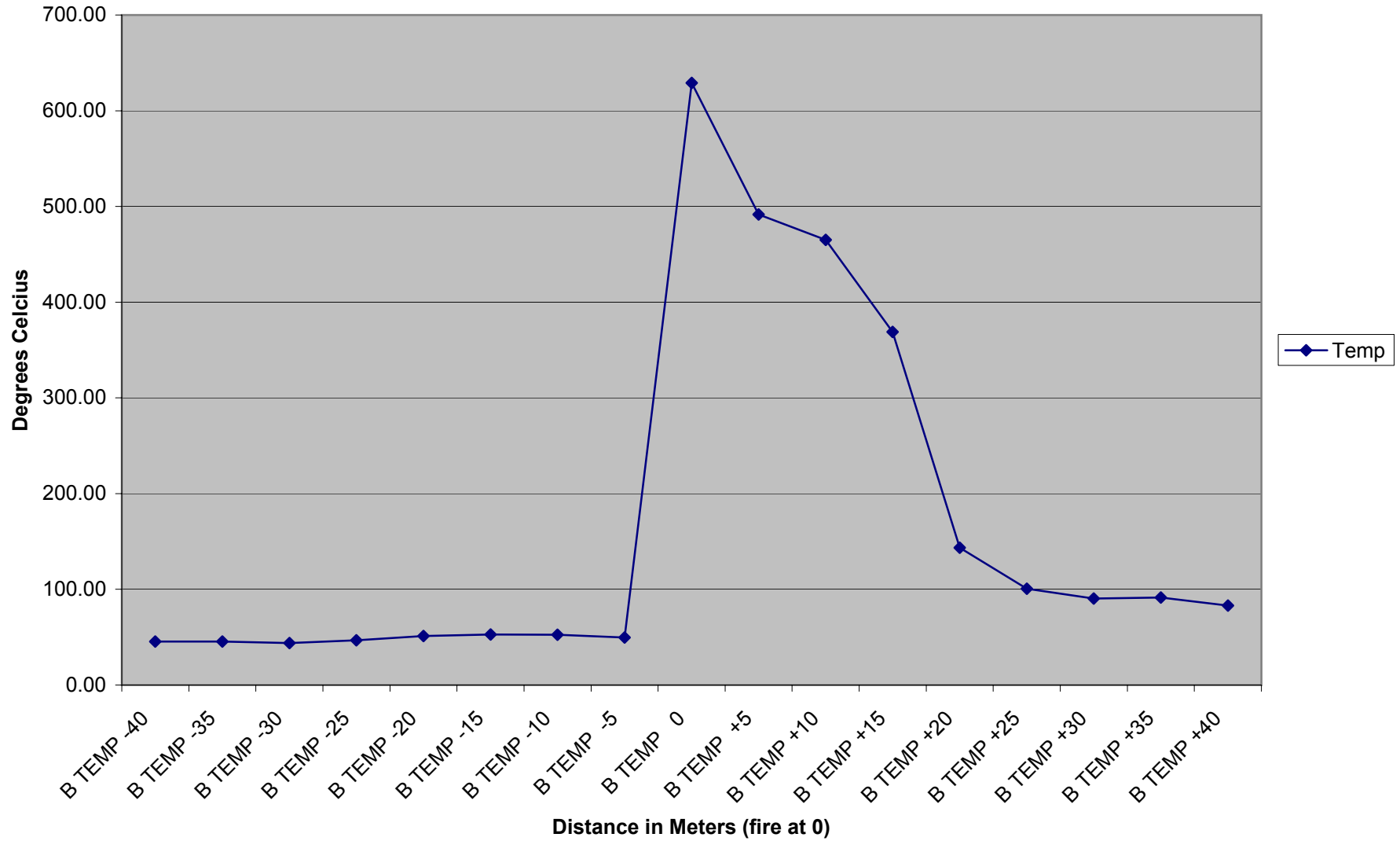
C TEMP 0 tmp C	C TEMP +5 tmp C	C TEMP +10 tmp C	C TEMP +15 tmp C	C TEMP +20 tmp C	C TEMP +25 tmp C	C TEMP +30 tmp C	C TEMP +35 tmp C	C TEMP +40 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.00E+02	1.81E+02	1.64E+02	1.37E+02	1.15E+02	1.07E+02	7.97E+01	6.01E+01	5.23E+01
2.27E+02	2.97E+02	3.79E+02	3.56E+02	2.96E+02	2.56E+02	1.98E+02	1.50E+02	1.24E+02
3.04E+02	4.16E+02	4.93E+02	4.82E+02	4.10E+02	3.46E+02	2.68E+02	2.04E+02	1.69E+02
4.75E+02	5.80E+02	5.87E+02	5.31E+02	4.51E+02	3.90E+02	2.97E+02	2.25E+02	1.87E+02
6.33E+02	7.37E+02	6.63E+02	5.76E+02	4.76E+02	4.06E+02	3.13E+02	2.42E+02	2.03E+02
7.98E+02	9.01E+02	7.31E+02	5.92E+02	4.75E+02	4.00E+02	3.15E+02	2.51E+02	2.14E+02
8.07E+02	9.02E+02	7.46E+02	6.26E+02	4.95E+02	4.15E+02	3.29E+02	2.65E+02	2.28E+02
8.26E+02	9.19E+02	7.74E+02	6.41E+02	5.10E+02	4.32E+02	3.45E+02	2.81E+02	2.43E+02
7.60E+02	8.85E+02	7.77E+02	6.76E+02	5.42E+02	4.60E+02	3.64E+02	2.97E+02	2.57E+02
7.05E+02	8.24E+02	7.74E+02	6.91E+02	5.81E+02	5.12E+02	4.09E+02	3.27E+02	2.81E+02
6.59E+02	7.91E+02	7.81E+02	7.08E+02	6.14E+02	5.49E+02	4.49E+02	3.60E+02	3.09E+02
7.08E+02	8.60E+02	8.51E+02	7.65E+02	6.53E+02	5.71E+02	4.66E+02	3.79E+02	3.27E+02
7.60E+02	9.31E+02	8.85E+02	7.88E+02	6.71E+02	5.83E+02	4.73E+02	3.89E+02	3.38E+02
8.26E+02	9.59E+02	9.17E+02	8.08E+02	6.88E+02	6.03E+02	4.93E+02	4.07E+02	3.55E+02
8.31E+02	9.21E+02	9.14E+02	8.51E+02	7.40E+02	6.51E+02	5.32E+02	4.37E+02	3.80E+02
8.21E+02	9.05E+02	9.01E+02	8.70E+02	7.70E+02	6.93E+02	5.77E+02	4.72E+02	4.07E+02
7.94E+02	8.97E+02	8.96E+02	8.70E+02	7.91E+02	7.23E+02	6.07E+02	4.99E+02	4.32E+02
7.21E+02	8.82E+02	8.81E+02	8.34E+02	7.57E+02	6.91E+02	5.87E+02	4.92E+02	4.31E+02
6.54E+02	8.02E+02	8.26E+02	8.07E+02	7.59E+02	7.10E+02	6.13E+02	5.16E+02	4.53E+02
6.49E+02	7.88E+02	8.19E+02	8.06E+02	7.67E+02	7.24E+02	6.34E+02	5.39E+02	4.72E+02
6.03E+02	7.45E+02	7.82E+02	7.78E+02	7.60E+02	7.27E+02	6.46E+02	5.57E+02	4.93E+02
6.55E+02	7.63E+02	7.76E+02	7.95E+02	7.85E+02	7.57E+02	6.80E+02	5.95E+02	5.27E+02
7.14E+02	7.69E+02	6.86E+02	7.14E+02	7.41E+02	7.27E+02	6.81E+02	6.23E+02	5.75E+02
6.68E+02	7.25E+02	6.28E+02	6.49E+02	6.75E+02	6.61E+02	6.30E+02	5.95E+02	5.65E+02
6.62E+02	7.08E+02	5.93E+02	5.99E+02	6.16E+02	6.11E+02	5.92E+02	5.66E+02	5.41E+02
6.69E+02	6.86E+02	5.62E+02	5.75E+02	5.95E+02	5.85E+02	5.64E+02	5.39E+02	5.16E+02
6.62E+02	6.72E+02	5.45E+02	5.41E+02	5.51E+02	5.47E+02	5.31E+02	5.08E+02	4.87E+02
6.51E+02	6.86E+02	5.58E+02	5.38E+02	5.39E+02	5.32E+02	5.17E+02	4.93E+02	4.73E+02
6.32E+02	6.57E+02	5.95E+02	5.33E+02	5.28E+02	5.20E+02	5.03E+02	4.81E+02	4.61E+02
5.99E+02	6.44E+02	6.03E+02	5.38E+02	5.19E+02	5.09E+02	4.92E+02	4.71E+02	4.54E+02
5.70E+02	6.06E+02	5.82E+02	5.62E+02	5.28E+02	5.05E+02	4.83E+02	4.61E+02	4.43E+02
5.41E+02	5.70E+02	5.63E+02	5.51E+02	5.14E+02	4.89E+02	4.66E+02	4.43E+02	4.26E+02
5.44E+02	5.63E+02	5.47E+02	5.42E+02	5.03E+02	4.76E+02	4.51E+02	4.27E+02	4.09E+02
5.10E+02	5.33E+02	5.36E+02	5.55E+02	5.06E+02	4.82E+02	4.56E+02	4.31E+02	4.11E+02
5.03E+02	5.35E+02	5.74E+02	5.44E+02	5.03E+02	4.84E+02	4.59E+02	4.33E+02	4.14E+02
5.01E+02	5.36E+02	5.83E+02	5.41E+02	4.96E+02	4.77E+02	4.54E+02	4.29E+02	4.09E+02
5.16E+02	5.50E+02	5.84E+02	5.36E+02	4.93E+02	4.74E+02	4.49E+02	4.24E+02	4.04E+02
5.00E+02	5.34E+02	5.70E+02	6.01E+02	5.29E+02	5.03E+02	4.72E+02	4.41E+02	4.19E+02
4.94E+02	5.36E+02	5.79E+02	6.20E+02	5.39E+02	5.13E+02	4.82E+02	4.52E+02	4.29E+02
4.92E+02	5.31E+02	5.85E+02	6.50E+02	5.54E+02	5.26E+02	4.94E+02	4.62E+02	4.38E+02
4.96E+02	5.42E+02	6.19E+02	6.41E+02	5.66E+02	5.38E+02	5.05E+02	4.72E+02	4.47E+02
5.18E+02	5.73E+02	6.31E+02	6.19E+02	5.55E+02	5.32E+02	5.03E+02	4.72E+02	4.49E+02
5.05E+02	5.51E+02	6.17E+02	6.65E+02	5.82E+02	5.56E+02	5.23E+02	4.90E+02	4.63E+02
5.13E+02	5.71E+02	6.49E+02	6.58E+02	5.99E+02	5.74E+02	5.39E+02	5.05E+02	4.79E+02
5.57E+02	6.34E+02	6.70E+02	6.24E+02	5.97E+02	5.78E+02	5.44E+02	5.10E+02	4.83E+02
5.67E+02	6.46E+02	6.88E+02	6.17E+02	5.86E+02	5.68E+02	5.38E+02	5.06E+02	4.81E+02
5.69E+02	6.39E+02	7.29E+02	6.13E+02	5.86E+02	5.65E+02	5.35E+02	5.05E+02	4.81E+02

5.76E+02	6.60E+02	7.20E+02	6.17E+02	5.92E+02	5.72E+02	5.43E+02	5.12E+02	4.87E+02
6.08E+02	6.94E+02	6.95E+02	6.11E+02	5.95E+02	5.75E+02	5.44E+02	5.14E+02	4.89E+02
6.05E+02	6.93E+02	7.25E+02	6.17E+02	6.04E+02	5.81E+02	5.49E+02	5.18E+02	4.93E+02
5.99E+02	6.81E+02	7.51E+02	6.28E+02	6.05E+02	5.85E+02	5.55E+02	5.24E+02	4.99E+02
5.91E+02	6.76E+02	7.42E+02	6.41E+02	6.12E+02	5.92E+02	5.64E+02	5.34E+02	5.08E+02
6.03E+02	6.89E+02	7.55E+02	6.36E+02	6.16E+02	5.96E+02	5.68E+02	5.39E+02	5.15E+02
6.27E+02	7.34E+02	7.44E+02	6.35E+02	6.15E+02	5.93E+02	5.66E+02	5.37E+02	5.13E+02
6.30E+02	7.43E+02	7.55E+02	6.47E+02	6.30E+02	6.06E+02	5.75E+02	5.44E+02	5.18E+02
6.50E+02	7.56E+02	7.39E+02	6.37E+02	6.26E+02	6.07E+02	5.79E+02	5.49E+02	5.23E+02
6.60E+02	7.65E+02	7.42E+02	6.46E+02	6.31E+02	6.09E+02	5.80E+02	5.49E+02	5.24E+02
6.59E+02	7.60E+02	7.54E+02	6.53E+02	6.34E+02	6.14E+02	5.86E+02	5.55E+02	5.29E+02
6.88E+02	7.96E+02	7.15E+02	6.46E+02	6.29E+02	6.10E+02	5.84E+02	5.54E+02	5.28E+02

C TEMP 0 C TEMP +5 C TEMP +10 C TEMP +15 C TEMP +20 C TEMP +25 C TEMP +30 C TEMP +35 C TEMP +40

8.31E+02	9.59E+02	9.17E+02	8.51E+02	7.91E+02	7.57E+02	6.81E+02	6.23E+02	5.75E+02
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Temperature at Bottom of Railcars



Bottom of cars

TIME	B TEMP -40	B TEMP -35	B TEMP -30	B TEMP -25	B TEMP -20	B TEMP -15	B TEMP -10	B TEMP -5
s	temp	temp	temp	temp	temp	temp	temp	temp
	C	C	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.01E+01	2.08E+01	2.52E+01
6.00E+01	2.01E+01	2.01E+01	2.01E+01	2.00E+01	2.04E+01	2.04E+01	2.01E+01	3.88E+01
9.00E+01	2.07E+01	2.05E+01	2.03E+01	2.05E+01	2.12E+01	2.14E+01	2.11E+01	1.84E+01
1.20E+02	2.22E+01	2.21E+01	2.16E+01	2.20E+01	2.28E+01	2.29E+01	2.30E+01	2.12E+01
1.50E+02	2.51E+01	2.48E+01	2.38E+01	2.43E+01	2.59E+01	2.61E+01	2.62E+01	2.38E+01
1.80E+02	2.91E+01	2.89E+01	2.79E+01	2.84E+01	3.00E+01	2.99E+01	3.01E+01	2.95E+01
2.10E+02	3.22E+01	3.20E+01	3.09E+01	3.12E+01	3.29E+01	3.30E+01	3.29E+01	3.44E+01
2.40E+02	3.34E+01	3.33E+01	3.24E+01	3.29E+01	3.47E+01	3.48E+01	3.48E+01	3.57E+01
2.70E+02	3.47E+01	3.45E+01	3.36E+01	3.36E+01	3.56E+01	3.57E+01	3.55E+01	3.89E+01
3.00E+02	3.48E+01	3.48E+01	3.41E+01	3.40E+01	3.59E+01	3.61E+01	3.61E+01	3.90E+01
3.30E+02	3.47E+01	3.46E+01	3.38E+01	3.38E+01	3.60E+01	3.60E+01	3.61E+01	3.61E+01
3.60E+02	3.59E+01	3.55E+01	3.43E+01	3.48E+01	3.69E+01	3.69E+01	3.67E+01	3.64E+01
3.90E+02	3.71E+01	3.69E+01	3.57E+01	3.64E+01	3.84E+01	3.85E+01	3.82E+01	3.79E+01
4.20E+02	3.73E+01	3.70E+01	3.58E+01	3.69E+01	3.91E+01	3.93E+01	3.91E+01	3.75E+01
4.50E+02	3.81E+01	3.80E+01	3.66E+01	3.79E+01	4.04E+01	4.07E+01	4.05E+01	3.65E+01
4.80E+02	3.74E+01	3.73E+01	3.61E+01	3.74E+01	4.00E+01	4.03E+01	4.02E+01	3.69E+01
5.10E+02	3.82E+01	3.80E+01	3.68E+01	3.80E+01	4.05E+01	4.08E+01	4.06E+01	3.79E+01
5.40E+02	3.73E+01	3.73E+01	3.66E+01	3.68E+01	3.87E+01	3.91E+01	3.93E+01	4.06E+01
5.70E+02	3.75E+01	3.74E+01	3.65E+01	3.62E+01	3.82E+01	3.83E+01	3.84E+01	3.76E+01
6.00E+02	3.82E+01	3.80E+01	3.72E+01	3.71E+01	3.90E+01	3.91E+01	3.90E+01	3.81E+01
6.30E+02	3.72E+01	3.72E+01	3.66E+01	3.64E+01	3.84E+01	3.86E+01	3.88E+01	3.86E+01
6.60E+02	3.81E+01	3.77E+01	3.67E+01	3.69E+01	3.93E+01	3.90E+01	3.88E+01	3.73E+01
6.90E+02	3.91E+01	3.90E+01	3.77E+01	3.90E+01	4.17E+01	4.22E+01	4.18E+01	3.85E+01
7.20E+02	3.90E+01	3.89E+01	3.77E+01	3.91E+01	4.19E+01	4.27E+01	4.24E+01	3.94E+01
7.50E+02	3.97E+01	3.96E+01	3.83E+01	3.96E+01	4.23E+01	4.30E+01	4.28E+01	3.97E+01
7.80E+02	3.98E+01	3.98E+01	3.87E+01	3.98E+01	4.24E+01	4.32E+01	4.30E+01	4.01E+01
8.10E+02	4.00E+01	3.99E+01	3.88E+01	3.98E+01	4.25E+01	4.32E+01	4.29E+01	3.93E+01
8.40E+02	4.04E+01	4.04E+01	3.91E+01	4.06E+01	4.34E+01	4.43E+01	4.41E+01	4.01E+01
8.70E+02	4.04E+01	4.03E+01	3.90E+01	4.06E+01	4.36E+01	4.45E+01	4.41E+01	3.92E+01
9.00E+02	4.11E+01	4.10E+01	3.96E+01	4.16E+01	4.47E+01	4.57E+01	4.53E+01	4.06E+01
9.30E+02	4.07E+01	4.06E+01	3.91E+01	4.12E+01	4.45E+01	4.57E+01	4.52E+01	4.07E+01
9.60E+02	4.07E+01	4.05E+01	3.91E+01	4.11E+01	4.43E+01	4.55E+01	4.51E+01	4.20E+01
9.90E+02	3.94E+01	3.94E+01	3.82E+01	4.01E+01	4.30E+01	4.41E+01	4.37E+01	4.13E+01
1.02E+03	3.90E+01	3.88E+01	3.74E+01	3.95E+01	4.28E+01	4.38E+01	4.34E+01	3.93E+01
1.05E+03	3.84E+01	3.83E+01	3.70E+01	3.91E+01	4.21E+01	4.32E+01	4.29E+01	3.86E+01
1.08E+03	3.82E+01	3.81E+01	3.68E+01	3.89E+01	4.22E+01	4.30E+01	4.27E+01	3.85E+01
1.11E+03	3.84E+01	3.85E+01	3.72E+01	3.93E+01	4.22E+01	4.35E+01	4.32E+01	3.88E+01
1.14E+03	3.84E+01	3.83E+01	3.68E+01	3.93E+01	4.29E+01	4.40E+01	4.34E+01	3.81E+01
1.17E+03	3.88E+01	3.87E+01	3.72E+01	3.96E+01	4.32E+01	4.43E+01	4.39E+01	3.89E+01
1.20E+03	3.90E+01	3.89E+01	3.75E+01	4.00E+01	4.35E+01	4.48E+01	4.42E+01	3.92E+01
1.23E+03	3.94E+01	3.94E+01	3.78E+01	4.04E+01	4.42E+01	4.54E+01	4.49E+01	4.10E+01
1.26E+03	3.95E+01	3.95E+01	3.81E+01	4.05E+01	4.40E+01	4.53E+01	4.51E+01	4.19E+01
1.29E+03	3.97E+01	3.97E+01	3.82E+01	4.09E+01	4.50E+01	4.63E+01	4.58E+01	4.24E+01
1.32E+03	4.02E+01	4.01E+01	3.87E+01	4.13E+01	4.51E+01	4.65E+01	4.60E+01	4.26E+01
1.35E+03	3.98E+01	4.00E+01	3.87E+01	4.10E+01	4.44E+01	4.59E+01	4.56E+01	4.31E+01
1.38E+03	4.05E+01	4.05E+01	3.89E+01	4.17E+01	4.56E+01	4.70E+01	4.66E+01	4.36E+01
1.41E+03	4.22E+01	4.21E+01	4.04E+01	4.33E+01	4.76E+01	4.89E+01	4.84E+01	4.48E+01

1.44E+03	4.32E+01	4.32E+01	4.15E+01	4.45E+01	4.88E+01	5.02E+01	4.98E+01	4.63E+01
1.47E+03	4.30E+01	4.31E+01	4.15E+01	4.42E+01	4.82E+01	4.97E+01	4.93E+01	4.56E+01
1.50E+03	4.34E+01	4.34E+01	4.18E+01	4.47E+01	4.90E+01	5.03E+01	5.00E+01	4.63E+01
1.53E+03	4.37E+01	4.37E+01	4.21E+01	4.51E+01	4.94E+01	5.08E+01	5.04E+01	4.71E+01
1.56E+03	4.35E+01	4.36E+01	4.20E+01	4.50E+01	4.94E+01	5.09E+01	5.06E+01	4.77E+01
1.59E+03	4.33E+01	4.34E+01	4.17E+01	4.47E+01	4.90E+01	5.05E+01	5.01E+01	4.65E+01
1.62E+03	4.32E+01	4.34E+01	4.18E+01	4.47E+01	4.90E+01	5.04E+01	5.02E+01	4.71E+01
1.65E+03	4.39E+01	4.40E+01	4.24E+01	4.52E+01	4.95E+01	5.09E+01	5.06E+01	4.71E+01
1.68E+03	4.39E+01	4.41E+01	4.26E+01	4.54E+01	4.97E+01	5.12E+01	5.10E+01	4.73E+01
1.71E+03	4.51E+01	4.51E+01	4.34E+01	4.63E+01	5.06E+01	5.22E+01	5.19E+01	4.89E+01
1.74E+03	4.53E+01	4.55E+01	4.38E+01	4.68E+01	5.13E+01	5.29E+01	5.26E+01	4.96E+01
1.77E+03	4.46E+01	4.49E+01	4.35E+01	4.61E+01	5.01E+01	5.16E+01	5.15E+01	4.83E+01

B TEMP -40 B TEMP -35 B TEMP -30 B TEMP -25 B TEMP -20 B TEMP -15 B TEMP -10 B TEMP -5

4.53E+01	4.55E+01	4.38E+01	4.68E+01	5.13E+01	5.29E+01	5.26E+01	4.96E+01
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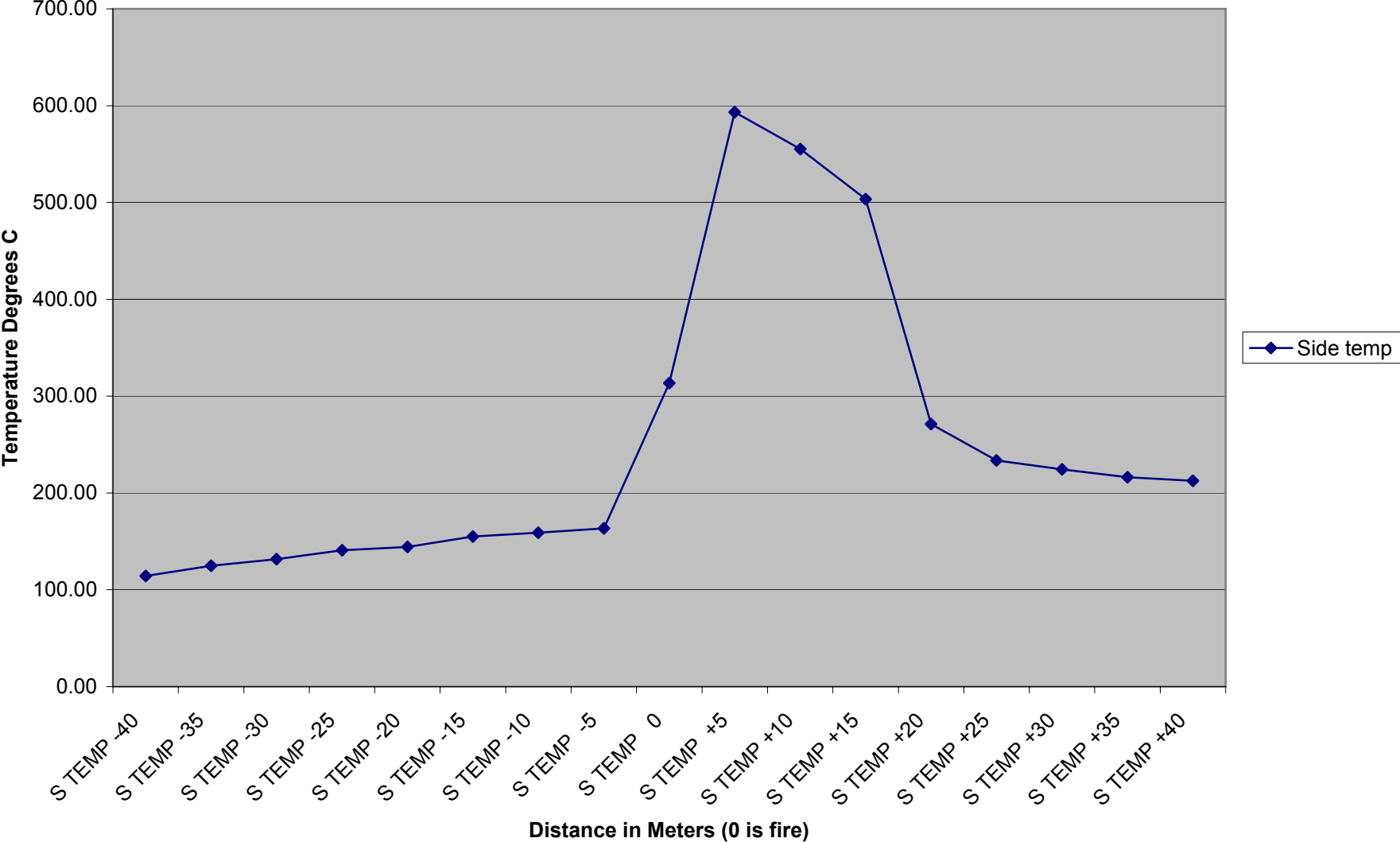
B TEMP 0 temp C	B TEMP +5 temp C	B TEMP +10 temp C	B TEMP +15 temp C	B TEMP +20 temp C	B TEMP +25 temp C	B TEMP +30 temp C	B TEMP +35 temp C	B TEMP +40 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
4.67E+02	3.64E+01	2.00E+01	2.01E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.24E+02	2.28E+01	2.03E+01	2.04E+01	2.00E+01	2.00E+01	2.02E+01	2.01E+01	2.00E+01
4.00E+02	4.94E+01	2.07E+01	2.10E+01	2.04E+01	2.03E+01	2.07E+01	2.06E+01	1.97E+01
5.22E+02	6.23E+01	2.21E+01	2.23E+01	2.07E+01	2.05E+01	2.09E+01	2.15E+01	2.06E+01
5.71E+02	6.84E+01	2.47E+01	2.45E+01	2.27E+01	2.29E+01	2.39E+01	2.46E+01	2.32E+01
6.29E+02	7.88E+01	3.43E+01	2.77E+01	2.57E+01	2.56E+01	2.65E+01	2.75E+01	2.64E+01
5.81E+02	7.78E+01	3.26E+01	3.29E+01	2.91E+01	2.92E+01	3.00E+01	3.15E+01	2.97E+01
5.82E+02	1.18E+02	3.79E+01	3.63E+01	3.24E+01	3.21E+01	3.30E+01	3.46E+01	3.27E+01
5.22E+02	8.19E+01	3.72E+01	3.75E+01	3.38E+01	3.35E+01	3.41E+01	3.52E+01	3.29E+01
4.60E+02	8.07E+01	3.79E+01	3.86E+01	3.46E+01	3.40E+01	3.45E+01	3.58E+01	3.37E+01
4.57E+02	7.97E+01	3.81E+01	3.92E+01	3.50E+01	3.45E+01	3.46E+01	3.56E+01	3.34E+01
5.21E+02	9.34E+01	4.26E+01	3.89E+01	3.51E+01	3.44E+01	3.50E+01	3.63E+01	3.35E+01
5.36E+02	1.98E+02	5.23E+01	4.03E+01	3.62E+01	3.59E+01	3.64E+01	3.83E+01	3.62E+01
5.49E+02	5.38E+02	6.57E+01	4.23E+01	3.80E+01	3.79E+01	3.91E+01	4.10E+01	3.84E+01
4.97E+02	5.86E+02	6.93E+01	4.39E+01	3.93E+01	3.91E+01	3.99E+01	4.19E+01	3.96E+01
4.92E+02	6.03E+02	7.17E+01	4.45E+01	4.02E+01	3.98E+01	4.05E+01	4.23E+01	3.99E+01
4.83E+02	2.98E+02	5.97E+01	4.42E+01	3.99E+01	3.92E+01	4.00E+01	4.14E+01	3.85E+01
4.54E+02	1.00E+02	4.25E+01	4.34E+01	3.93E+01	3.88E+01	3.90E+01	4.02E+01	3.81E+01
4.36E+02	9.29E+01	4.25E+01	4.34E+01	3.90E+01	3.84E+01	3.85E+01	3.98E+01	3.72E+01
4.35E+02	9.46E+01	4.24E+01	4.37E+01	3.95E+01	3.89E+01	3.95E+01	4.10E+01	3.81E+01
4.19E+02	9.53E+01	4.33E+01	4.48E+01	4.05E+01	4.02E+01	4.00E+01	4.14E+01	3.92E+01
4.35E+02	3.16E+02	5.68E+01	4.42E+01	4.02E+01	3.96E+01	3.99E+01	4.12E+01	3.78E+01
4.81E+02	4.53E+02	1.03E+02	4.53E+01	4.06E+01	4.04E+01	4.08E+01	4.26E+01	3.98E+01
4.52E+02	4.25E+02	1.43E+02	4.82E+01	4.26E+01	4.23E+01	4.33E+01	4.52E+01	4.13E+01
4.17E+02	3.99E+02	1.72E+02	5.35E+01	4.38E+01	4.36E+01	4.45E+01	4.62E+01	4.16E+01
4.06E+02	3.84E+02	8.97E+01	5.02E+01	4.55E+01	4.52E+01	4.62E+01	4.85E+01	4.44E+01
4.11E+02	3.74E+02	1.99E+02	5.65E+01	4.83E+01	4.89E+01	4.94E+01	5.23E+01	4.85E+01
4.13E+02	3.85E+02	3.39E+02	7.10E+01	5.22E+01	5.27E+01	5.37E+01	5.67E+01	5.23E+01
4.16E+02	3.82E+02	3.88E+02	9.48E+01	5.66E+01	5.66E+01	5.78E+01	6.04E+01	5.47E+01
3.71E+02	3.62E+02	3.72E+02	2.05E+02	6.09E+01	6.15E+01	6.14E+01	6.48E+01	5.94E+01
3.17E+02	3.33E+02	3.33E+02	3.69E+02	6.72E+01	6.41E+01	6.43E+01	6.72E+01	5.95E+01
2.84E+02	2.92E+02	2.97E+02	3.29E+02	1.43E+02	1.01E+02	9.03E+01	9.15E+01	8.27E+01
2.76E+02	2.71E+02	2.83E+02	2.85E+02	1.39E+02	9.34E+01	8.88E+01	8.90E+01	8.31E+01
3.43E+02	3.34E+02	3.48E+02	1.46E+02	7.19E+01	6.76E+01	6.72E+01	6.81E+01	6.31E+01
3.63E+02	3.45E+02	3.64E+02	1.46E+02	7.33E+01	6.17E+01	6.45E+01	6.00E+01	5.48E+01
3.64E+02	3.47E+02	3.69E+02	1.70E+02	1.07E+02	1.03E+02	9.09E+01	7.96E+01	6.99E+01
3.72E+02	3.46E+02	3.66E+02	1.60E+02	9.97E+01	9.32E+01	8.55E+01	8.52E+01	8.03E+01
3.84E+02	3.69E+02	3.83E+02	1.38E+02	7.40E+01	7.26E+01	7.26E+01	7.24E+01	6.80E+01
4.08E+02	3.90E+02	4.03E+02	2.02E+02	8.97E+01	7.19E+01	6.50E+01	6.19E+01	5.71E+01
4.15E+02	4.17E+02	4.21E+02	2.70E+02	8.37E+01	6.73E+01	6.21E+01	5.97E+01	5.54E+01
4.37E+02	4.22E+02	4.34E+02	2.01E+02	7.84E+01	6.60E+01	5.73E+01	5.81E+01	5.33E+01
4.28E+02	4.27E+02	4.36E+02	2.19E+02	9.38E+01	8.48E+01	8.09E+01	8.11E+01	7.09E+01
4.37E+02	4.62E+02	4.65E+02	1.24E+02	6.49E+01	6.14E+01	5.91E+01	5.85E+01	5.41E+01
4.38E+02	4.36E+02	4.59E+02	1.29E+02	5.85E+01	5.67E+01	5.66E+01	5.82E+01	5.39E+01
4.47E+02	4.16E+02	4.31E+02	1.33E+02	7.72E+01	7.88E+01	8.69E+01	9.40E+01	8.24E+01
4.87E+02	4.48E+02	4.19E+02	1.28E+02	8.63E+01	8.15E+01	6.79E+01	6.42E+01	5.82E+01
5.00E+02	4.66E+02	4.57E+02	9.20E+01	5.98E+01	5.82E+01	5.82E+01	5.92E+01	5.53E+01

4.98E+02	4.57E+02	4.00E+02	9.08E+01	5.70E+01	5.55E+01	5.54E+01	5.66E+01	5.29E+01
4.99E+02	4.51E+02	3.60E+02	7.31E+01	5.60E+01	5.49E+01	5.50E+01	5.69E+01	5.34E+01
5.13E+02	4.62E+02	3.75E+02	7.80E+01	5.71E+01	5.62E+01	5.65E+01	5.84E+01	5.54E+01
5.20E+02	4.73E+02	3.76E+02	9.39E+01	5.70E+01	5.59E+01	5.58E+01	5.73E+01	5.41E+01
4.97E+02	4.66E+02	3.67E+02	8.57E+01	5.70E+01	5.57E+01	5.54E+01	5.70E+01	5.36E+01
5.21E+02	4.70E+02	3.31E+02	8.24E+01	5.71E+01	5.62E+01	5.61E+01	5.80E+01	5.47E+01
5.38E+02	4.75E+02	2.18E+02	7.93E+01	5.76E+01	5.66E+01	5.66E+01	5.86E+01	5.56E+01
5.21E+02	4.73E+02	3.32E+02	8.33E+01	5.80E+01	5.68E+01	5.66E+01	5.82E+01	5.53E+01
5.28E+02	4.75E+02	1.87E+02	7.84E+01	5.74E+01	5.66E+01	5.64E+01	5.83E+01	5.54E+01
5.32E+02	4.77E+02	2.48E+02	7.92E+01	5.78E+01	5.70E+01	5.71E+01	5.89E+01	5.62E+01
5.34E+02	4.82E+02	1.82E+02	7.89E+01	5.86E+01	5.76E+01	5.76E+01	5.96E+01	5.65E+01
5.53E+02	4.92E+02	1.62E+02	7.67E+01	5.92E+01	5.83E+01	5.82E+01	6.00E+01	5.73E+01

B TEMP 0 B TEMP +5 B TEMP +10 B TEMP +15 B TEMP +20 B TEMP +25 B TEMP +30 B TEMP +35 B TEMP +40

6.29E+02	4.92E+02	4.65E+02	3.69E+02	1.43E+02	1.01E+02	9.03E+01	9.15E+01	8.31E+01
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Temperatures at railcar sides



Sides of cars

TIME	S TEMP -40	S TEMP -35	S TEMP -30	S TEMP -25	S TEMP -20	S TEMP -15	S TEMP -10	S TEMP -5
s	temp	temp	temp	temp	temp	temp	temp	temp
	C	C	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	2.01E+01	2.01E+01	2.03E+01	2.07E+01	2.11E+01	2.23E+01	2.51E+01	3.24E+01
6.00E+01	2.31E+01	2.47E+01	2.71E+01	3.01E+01	3.07E+01	3.65E+01	4.09E+01	7.58E+01
9.00E+01	3.36E+01	3.49E+01	3.71E+01	3.99E+01	4.23E+01	5.03E+01	5.81E+01	6.31E+01
1.20E+02	4.61E+01	4.70E+01	4.78E+01	5.01E+01	5.25E+01	6.15E+01	6.97E+01	8.67E+01
1.50E+02	5.54E+01	5.73E+01	5.85E+01	6.08E+01	6.32E+01	6.90E+01	7.70E+01	9.36E+01
1.80E+02	6.87E+01	7.11E+01	7.19E+01	7.32E+01	7.41E+01	7.77E+01	8.43E+01	9.65E+01
2.10E+02	7.27E+01	7.39E+01	7.40E+01	7.47E+01	7.61E+01	7.75E+01	8.24E+01	9.25E+01
2.40E+02	7.46E+01	7.67E+01	7.75E+01	7.87E+01	7.95E+01	8.13E+01	8.72E+01	1.00E+02
2.70E+02	7.46E+01	7.52E+01	7.57E+01	7.70E+01	7.86E+01	8.07E+01	9.07E+01	1.07E+02
3.00E+02	7.41E+01	7.42E+01	7.45E+01	7.57E+01	7.74E+01	8.01E+01	9.14E+01	1.08E+02
3.30E+02	7.28E+01	7.30E+01	7.39E+01	7.59E+01	7.80E+01	8.22E+01	9.42E+01	1.11E+02
3.60E+02	7.82E+01	8.03E+01	8.19E+01	8.41E+01	8.58E+01	8.74E+01	9.44E+01	1.08E+02
3.90E+02	8.41E+01	8.68E+01	8.81E+01	8.99E+01	9.15E+01	9.31E+01	9.82E+01	1.10E+02
4.20E+02	8.68E+01	9.07E+01	9.25E+01	9.51E+01	9.67E+01	1.00E+02	1.05E+02	1.15E+02
4.50E+02	9.00E+01	9.46E+01	9.69E+01	1.00E+02	1.02E+02	1.07E+02	1.11E+02	1.23E+02
4.80E+02	9.02E+01	9.45E+01	9.66E+01	9.97E+01	1.02E+02	1.07E+02	1.10E+02	1.22E+02
5.10E+02	9.19E+01	9.66E+01	9.87E+01	1.02E+02	1.03E+02	1.07E+02	1.11E+02	1.23E+02
5.40E+02	8.73E+01	8.94E+01	9.01E+01	9.13E+01	9.12E+01	9.20E+01	1.00E+02	1.18E+02
5.70E+02	8.31E+01	8.30E+01	8.34E+01	8.41E+01	8.46E+01	8.74E+01	1.05E+02	1.27E+02
6.00E+02	8.36E+01	8.45E+01	8.56E+01	8.73E+01	8.80E+01	9.09E+01	1.05E+02	1.25E+02
6.30E+02	8.18E+01	8.27E+01	8.39E+01	8.48E+01	8.46E+01	8.95E+01	1.07E+02	1.31E+02
6.60E+02	8.47E+01	8.62E+01	8.79E+01	9.03E+01	9.17E+01	9.59E+01	1.10E+02	1.34E+02
6.90E+02	9.12E+01	9.72E+01	1.02E+02	1.08E+02	1.09E+02	1.14E+02	1.23E+02	1.43E+02
7.20E+02	9.51E+01	1.03E+02	1.08E+02	1.13E+02	1.14E+02	1.20E+02	1.29E+02	1.46E+02
7.50E+02	9.68E+01	1.04E+02	1.09E+02	1.13E+02	1.14E+02	1.19E+02	1.27E+02	1.43E+02
7.80E+02	9.61E+01	1.03E+02	1.07E+02	1.11E+02	1.11E+02	1.16E+02	1.24E+02	1.40E+02
8.10E+02	9.47E+01	1.01E+02	1.05E+02	1.09E+02	1.10E+02	1.15E+02	1.23E+02	1.38E+02
8.40E+02	9.82E+01	1.06E+02	1.11E+02	1.16E+02	1.17E+02	1.23E+02	1.29E+02	1.43E+02
8.70E+02	9.89E+01	1.07E+02	1.12E+02	1.18E+02	1.18E+02	1.24E+02	1.30E+02	1.43E+02
9.00E+02	9.93E+01	1.08E+02	1.14E+02	1.21E+02	1.22E+02	1.27E+02	1.33E+02	1.44E+02
9.30E+02	9.63E+01	1.05E+02	1.12E+02	1.19E+02	1.20E+02	1.27E+02	1.32E+02	1.42E+02
9.60E+02	9.41E+01	1.03E+02	1.11E+02	1.18E+02	1.19E+02	1.25E+02	1.29E+02	1.40E+02
9.90E+02	8.93E+01	9.60E+01	1.01E+02	1.08E+02	1.10E+02	1.15E+02	1.20E+02	1.31E+02
1.02E+03	8.62E+01	9.33E+01	9.99E+01	1.09E+02	1.10E+02	1.16E+02	1.22E+02	1.34E+02
1.05E+03	8.80E+01	9.58E+01	1.02E+02	1.10E+02	1.11E+02	1.17E+02	1.25E+02	1.34E+02
1.08E+03	8.89E+01	9.66E+01	1.03E+02	1.10E+02	1.12E+02	1.20E+02	1.26E+02	1.34E+02
1.11E+03	9.15E+01	1.00E+02	1.06E+02	1.13E+02	1.14E+02	1.20E+02	1.25E+02	1.34E+02
1.14E+03	9.01E+01	9.75E+01	1.03E+02	1.12E+02	1.15E+02	1.22E+02	1.28E+02	1.37E+02
1.17E+03	9.06E+01	9.85E+01	1.05E+02	1.13E+02	1.16E+02	1.23E+02	1.30E+02	1.38E+02
1.20E+03	9.24E+01	1.01E+02	1.07E+02	1.16E+02	1.18E+02	1.26E+02	1.35E+02	1.42E+02
1.23E+03	9.52E+01	1.04E+02	1.11E+02	1.19E+02	1.22E+02	1.31E+02	1.40E+02	1.47E+02
1.26E+03	9.80E+01	1.07E+02	1.13E+02	1.21E+02	1.23E+02	1.33E+02	1.43E+02	1.50E+02
1.29E+03	9.65E+01	1.05E+02	1.12E+02	1.21E+02	1.24E+02	1.34E+02	1.44E+02	1.51E+02
1.32E+03	9.67E+01	1.05E+02	1.11E+02	1.20E+02	1.23E+02	1.31E+02	1.41E+02	1.47E+02
1.35E+03	9.85E+01	1.07E+02	1.13E+02	1.21E+02	1.23E+02	1.31E+02	1.39E+02	1.46E+02
1.38E+03	1.03E+02	1.14E+02	1.20E+02	1.28E+02	1.31E+02	1.43E+02	1.48E+02	1.54E+02
1.41E+03	1.07E+02	1.17E+02	1.24E+02	1.33E+02	1.36E+02	1.49E+02	1.53E+02	1.58E+02

1.44E+03	1.08E+02	1.18E+02	1.25E+02	1.34E+02	1.37E+02	1.48E+02	1.52E+02	1.58E+02
1.47E+03	1.09E+02	1.19E+02	1.24E+02	1.32E+02	1.36E+02	1.45E+02	1.49E+02	1.57E+02
1.50E+03	1.09E+02	1.19E+02	1.25E+02	1.34E+02	1.37E+02	1.48E+02	1.52E+02	1.59E+02
1.53E+03	1.09E+02	1.19E+02	1.26E+02	1.35E+02	1.38E+02	1.49E+02	1.54E+02	1.60E+02
1.56E+03	1.08E+02	1.18E+02	1.24E+02	1.34E+02	1.38E+02	1.49E+02	1.54E+02	1.59E+02
1.59E+03	1.08E+02	1.19E+02	1.25E+02	1.34E+02	1.38E+02	1.49E+02	1.53E+02	1.60E+02
1.62E+03	1.11E+02	1.21E+02	1.28E+02	1.36E+02	1.39E+02	1.50E+02	1.55E+02	1.60E+02
1.65E+03	1.11E+02	1.21E+02	1.27E+02	1.35E+02	1.38E+02	1.49E+02	1.54E+02	1.60E+02
1.68E+03	1.12E+02	1.22E+02	1.28E+02	1.36E+02	1.40E+02	1.50E+02	1.56E+02	1.63E+02
1.71E+03	1.14E+02	1.24E+02	1.31E+02	1.40E+02	1.43E+02	1.54E+02	1.59E+02	1.63E+02
1.74E+03	1.14E+02	1.25E+02	1.32E+02	1.41E+02	1.44E+02	1.55E+02	1.59E+02	1.63E+02
1.77E+03	1.14E+02	1.24E+02	1.29E+02	1.37E+02	1.40E+02	1.49E+02	1.54E+02	1.63E+02

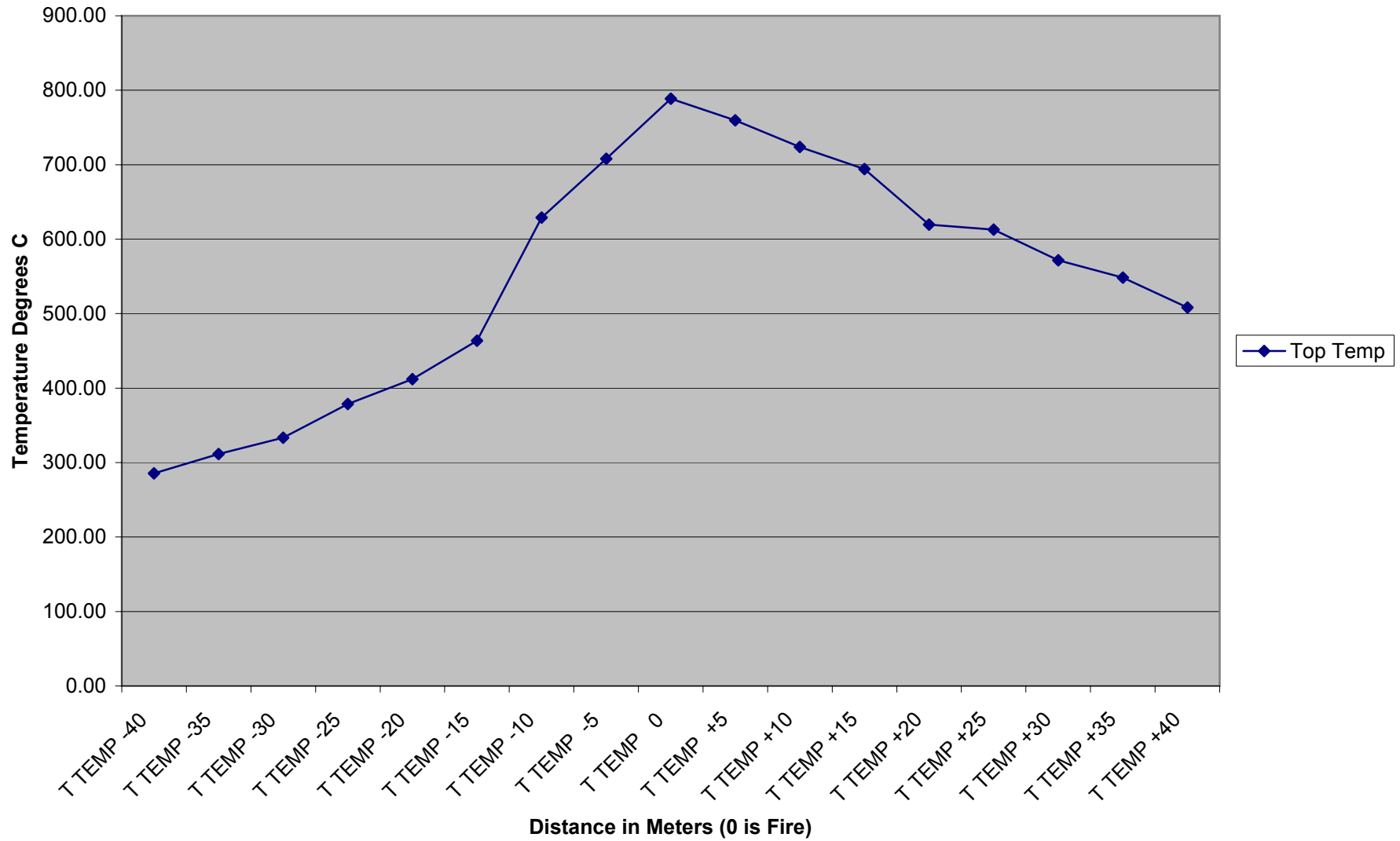
S TEMP -40	S TEMP -35	S TEMP -30	S TEMP -25	S TEMP -20	S TEMP -15	S TEMP -10	S TEMP -5
1.14E+02	1.25E+02	1.32E+02	1.41E+02	1.44E+02	1.55E+02	1.59E+02	1.63E+02

S TEMP 0 temp C	S TEMP +5 temp C	S TEMP +10 temp C	S TEMP +15 temp C	S TEMP +20 temp C	S TEMP +25 temp C	S TEMP +30 temp C	S TEMP +35 temp C	S TEMP +40 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.11E+02	2.11E+01	2.04E+01	2.04E+01	2.02E+01	2.01E+01	2.01E+01	2.01E+01	2.01E+01
1.36E+02	2.79E+01	2.46E+01	2.38E+01	2.45E+01	2.45E+01	2.48E+01	2.54E+01	2.64E+01
3.14E+02	4.53E+01	3.80E+01	3.30E+01	3.16E+01	3.13E+01	3.14E+01	3.16E+01	3.30E+01
2.20E+02	6.43E+01	4.47E+01	4.22E+01	3.94E+01	3.94E+01	3.95E+01	3.98E+01	4.06E+01
2.12E+02	8.61E+01	5.20E+01	4.85E+01	4.68E+01	4.70E+01	4.71E+01	4.79E+01	4.95E+01
2.20E+02	1.31E+02	6.05E+01	5.84E+01	5.47E+01	5.43E+01	5.47E+01	5.54E+01	5.69E+01
1.77E+02	1.27E+02	7.32E+01	6.92E+01	6.66E+01	6.26E+01	6.21E+01	6.28E+01	6.42E+01
1.94E+02	1.36E+02	7.79E+01	7.33E+01	6.95E+01	6.67E+01	6.53E+01	6.52E+01	6.65E+01
2.24E+02	1.11E+02	7.92E+01	7.50E+01	7.28E+01	7.00E+01	6.82E+01	6.85E+01	6.95E+01
1.96E+02	1.04E+02	8.24E+01	7.78E+01	7.46E+01	7.16E+01	6.90E+01	6.84E+01	6.94E+01
1.98E+02	1.13E+02	8.84E+01	8.27E+01	7.95E+01	7.52E+01	7.25E+01	7.07E+01	7.00E+01
1.82E+02	1.39E+02	9.17E+01	8.77E+01	8.42E+01	8.07E+01	7.91E+01	7.82E+01	7.69E+01
1.73E+02	2.53E+02	9.83E+01	9.48E+01	8.87E+01	8.48E+01	8.29E+01	8.25E+01	8.24E+01
1.77E+02	5.05E+02	1.02E+02	9.91E+01	9.14E+01	8.85E+01	8.60E+01	8.57E+01	8.62E+01
1.84E+02	5.93E+02	1.05E+02	9.92E+01	9.37E+01	8.86E+01	8.66E+01	8.63E+01	8.71E+01
1.85E+02	5.82E+02	1.08E+02	9.99E+01	9.38E+01	8.89E+01	8.59E+01	8.50E+01	8.63E+01
1.85E+02	3.74E+02	1.09E+02	1.01E+02	9.53E+01	9.13E+01	8.85E+01	8.69E+01	8.76E+01
1.89E+02	1.46E+02	1.11E+02	1.02E+02	9.69E+01	9.13E+01	8.77E+01	8.50E+01	8.39E+01
2.08E+02	1.35E+02	1.15E+02	1.03E+02	9.91E+01	9.40E+01	9.06E+01	8.89E+01	8.61E+01
2.04E+02	1.32E+02	1.18E+02	1.08E+02	1.03E+02	9.76E+01	9.43E+01	9.30E+01	9.00E+01
2.04E+02	1.44E+02	1.17E+02	1.09E+02	1.04E+02	9.77E+01	9.29E+01	9.00E+01	8.68E+01
2.01E+02	3.39E+02	1.32E+02	1.13E+02	1.08E+02	1.03E+02	9.91E+01	9.69E+01	9.36E+01
2.17E+02	5.06E+02	1.54E+02	1.47E+02	1.28E+02	1.20E+02	1.14E+02	1.09E+02	1.03E+02
2.15E+02	4.65E+02	1.87E+02	1.64E+02	1.41E+02	1.31E+02	1.25E+02	1.22E+02	1.16E+02
2.13E+02	4.29E+02	2.10E+02	1.54E+02	1.43E+02	1.38E+02	1.35E+02	1.33E+02	1.25E+02
1.98E+02	4.35E+02	1.57E+02	1.54E+02	1.48E+02	1.42E+02	1.40E+02	1.37E+02	1.34E+02
2.04E+02	4.11E+02	2.57E+02	1.65E+02	1.62E+02	1.62E+02	1.62E+02	1.62E+02	1.58E+02
2.08E+02	4.15E+02	3.90E+02	1.84E+02	1.79E+02	1.78E+02	1.80E+02	1.82E+02	1.79E+02
2.05E+02	3.75E+02	4.78E+02	1.86E+02	1.85E+02	1.87E+02	1.89E+02	1.93E+02	1.92E+02
1.99E+02	2.61E+02	4.74E+02	2.62E+02	2.17E+02	2.20E+02	2.19E+02	2.15E+02	2.13E+02
1.96E+02	1.96E+02	4.11E+02	5.04E+02	2.49E+02	2.34E+02	2.24E+02	2.16E+02	2.10E+02
1.88E+02	1.81E+02	3.56E+02	4.50E+02	2.71E+02	2.20E+02	2.14E+02	2.08E+02	2.08E+02
1.86E+02	1.83E+02	3.57E+02	3.39E+02	1.78E+02	1.64E+02	1.63E+02	1.62E+02	1.64E+02
1.94E+02	2.25E+02	4.50E+02	1.94E+02	1.45E+02	1.43E+02	1.41E+02	1.39E+02	1.37E+02
1.92E+02	3.15E+02	4.94E+02	1.45E+02	1.40E+02	1.38E+02	1.36E+02	1.36E+02	1.32E+02
1.92E+02	3.09E+02	4.77E+02	1.48E+02	1.50E+02	1.44E+02	1.41E+02	1.38E+02	1.39E+02
1.91E+02	3.11E+02	4.79E+02	1.68E+02	1.53E+02	1.53E+02	1.50E+02	1.51E+02	1.49E+02
1.94E+02	2.57E+02	4.92E+02	1.90E+02	1.47E+02	1.45E+02	1.41E+02	1.38E+02	1.36E+02
1.95E+02	2.67E+02	5.05E+02	1.93E+02	1.52E+02	1.47E+02	1.42E+02	1.38E+02	1.34E+02
2.02E+02	2.72E+02	5.21E+02	1.83E+02	1.47E+02	1.42E+02	1.37E+02	1.34E+02	1.30E+02
2.10E+02	3.03E+02	5.56E+02	1.53E+02	1.48E+02	1.43E+02	1.41E+02	1.38E+02	1.32E+02
2.02E+02	3.35E+02	5.50E+02	2.01E+02	1.67E+02	1.52E+02	1.46E+02	1.43E+02	1.43E+02
2.05E+02	2.99E+02	5.55E+02	1.76E+02	1.50E+02	1.47E+02	1.42E+02	1.40E+02	1.33E+02
2.05E+02	3.36E+02	5.54E+02	1.87E+02	1.56E+02	1.49E+02	1.43E+02	1.39E+02	1.36E+02
2.08E+02	3.55E+02	5.48E+02	1.73E+02	1.68E+02	1.56E+02	1.47E+02	1.47E+02	1.50E+02
2.18E+02	4.25E+02	4.46E+02	1.53E+02	1.51E+02	1.42E+02	1.40E+02	1.41E+02	1.40E+02
2.22E+02	4.37E+02	4.54E+02	1.51E+02	1.38E+02	1.37E+02	1.35E+02	1.35E+02	1.36E+02

2.22E+02	4.35E+02	4.28E+02	1.61E+02	1.46E+02	1.38E+02	1.34E+02	1.33E+02	1.32E+02
2.22E+02	4.48E+02	3.71E+02	1.62E+02	1.48E+02	1.41E+02	1.38E+02	1.37E+02	1.36E+02
2.23E+02	4.57E+02	3.80E+02	1.57E+02	1.44E+02	1.39E+02	1.36E+02	1.34E+02	1.33E+02
2.19E+02	4.65E+02	3.71E+02	1.61E+02	1.49E+02	1.41E+02	1.37E+02	1.35E+02	1.34E+02
2.24E+02	4.50E+02	4.30E+02	1.61E+02	1.52E+02	1.44E+02	1.41E+02	1.39E+02	1.35E+02
2.23E+02	4.59E+02	3.10E+02	1.57E+02	1.48E+02	1.39E+02	1.37E+02	1.37E+02	1.36E+02
2.23E+02	5.01E+02	2.84E+02	1.55E+02	1.47E+02	1.40E+02	1.37E+02	1.35E+02	1.35E+02
2.23E+02	4.44E+02	3.23E+02	1.55E+02	1.48E+02	1.40E+02	1.37E+02	1.34E+02	1.33E+02
2.21E+02	4.65E+02	2.70E+02	1.56E+02	1.46E+02	1.38E+02	1.36E+02	1.34E+02	1.36E+02
2.22E+02	4.72E+02	2.94E+02	1.58E+02	1.50E+02	1.42E+02	1.39E+02	1.38E+02	1.37E+02
2.26E+02	5.11E+02	3.01E+02	1.65E+02	1.50E+02	1.46E+02	1.43E+02	1.42E+02	1.40E+02
2.29E+02	5.62E+02	2.11E+02	1.55E+02	1.48E+02	1.42E+02	1.40E+02	1.39E+02	1.38E+02

S TEMP 0	S TEMP +5	S TEMP +10	S TEMP +15	S TEMP +20	S TEMP +25	S TEMP +30	S TEMP +35	S TEMP +40
3.14E+02	5.93E+02	5.55E+02	5.04E+02	2.71E+02	2.34E+02	2.24E+02	2.16E+02	2.13E+02

Temps at Top of Railcars



Top of cars

TIME s	T TEMP -40 temp C	T TEMP -35 temp C	T TEMP -30 temp C	T TEMP -25 temp C	T TEMP -20 temp C	T TEMP -15 temp C	T TEMP -10 temp C	T TEMP -5 temp C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	4.51E+01	5.07E+01	5.82E+01	6.79E+01	7.63E+01	7.84E+01	8.72E+01	1.18E+02
6.00E+01	1.29E+02	1.39E+02	1.48E+02	1.59E+02	1.66E+02	1.88E+02	2.04E+02	2.48E+02
9.00E+01	1.63E+02	1.75E+02	1.90E+02	2.10E+02	2.17E+02	2.39E+02	2.54E+02	2.60E+02
1.20E+02	1.83E+02	1.96E+02	2.10E+02	2.29E+02	2.33E+02	2.63E+02	2.86E+02	2.81E+02
1.50E+02	1.92E+02	2.07E+02	2.20E+02	2.36E+02	2.46E+02	2.74E+02	3.02E+02	3.21E+02
1.80E+02	2.08E+02	2.23E+02	2.35E+02	2.48E+02	2.55E+02	2.81E+02	3.14E+02	3.48E+02
2.10E+02	2.11E+02	2.26E+02	2.38E+02	2.52E+02	2.56E+02	2.87E+02	3.18E+02	3.60E+02
2.40E+02	2.16E+02	2.34E+02	2.48E+02	2.65E+02	2.72E+02	3.10E+02	3.49E+02	4.00E+02
2.70E+02	2.18E+02	2.36E+02	2.50E+02	2.71E+02	2.89E+02	3.31E+02	3.82E+02	4.42E+02
3.00E+02	2.24E+02	2.47E+02	2.66E+02	2.94E+02	3.16E+02	3.67E+02	4.30E+02	4.90E+02
3.30E+02	2.29E+02	2.55E+02	2.77E+02	3.08E+02	3.32E+02	3.91E+02	4.58E+02	5.20E+02
3.60E+02	2.33E+02	2.58E+02	2.77E+02	3.02E+02	3.18E+02	3.66E+02	4.18E+02	4.71E+02
3.90E+02	2.38E+02	2.61E+02	2.76E+02	2.96E+02	3.06E+02	3.55E+02	4.06E+02	4.67E+02
4.20E+02	2.45E+02	2.68E+02	2.84E+02	3.05E+02	3.13E+02	3.58E+02	4.06E+02	4.62E+02
4.50E+02	2.51E+02	2.73E+02	2.89E+02	3.10E+02	3.19E+02	3.61E+02	4.09E+02	4.83E+02
4.80E+02	2.53E+02	2.74E+02	2.90E+02	3.10E+02	3.21E+02	3.64E+02	4.09E+02	4.93E+02
5.10E+02	2.58E+02	2.79E+02	2.96E+02	3.16E+02	3.27E+02	3.71E+02	4.19E+02	4.83E+02
5.40E+02	2.59E+02	2.84E+02	3.06E+02	3.37E+02	3.58E+02	4.24E+02	4.95E+02	6.18E+02
5.70E+02	2.63E+02	2.96E+02	3.24E+02	3.64E+02	3.91E+02	4.64E+02	5.54E+02	7.25E+02
6.00E+02	2.62E+02	2.93E+02	3.20E+02	3.59E+02	3.84E+02	4.60E+02	5.47E+02	6.34E+02
6.30E+02	2.68E+02	3.03E+02	3.34E+02	3.79E+02	4.12E+02	4.98E+02	6.29E+02	7.08E+02
6.60E+02	2.64E+02	2.97E+02	3.23E+02	3.58E+02	3.77E+02	4.51E+02	5.35E+02	6.23E+02
6.90E+02	2.63E+02	2.89E+02	3.12E+02	3.43E+02	3.59E+02	4.27E+02	4.62E+02	5.10E+02
7.20E+02	2.64E+02	2.88E+02	3.10E+02	3.41E+02	3.51E+02	4.08E+02	4.43E+02	4.66E+02
7.50E+02	2.62E+02	2.84E+02	3.07E+02	3.36E+02	3.41E+02	3.96E+02	4.27E+02	4.56E+02
7.80E+02	2.59E+02	2.81E+02	3.03E+02	3.32E+02	3.32E+02	3.87E+02	4.14E+02	4.35E+02
8.10E+02	2.53E+02	2.74E+02	2.96E+02	3.25E+02	3.26E+02	3.81E+02	4.07E+02	4.28E+02
8.40E+02	2.61E+02	2.84E+02	3.06E+02	3.35E+02	3.41E+02	3.89E+02	4.15E+02	4.56E+02
8.70E+02	2.60E+02	2.83E+02	3.05E+02	3.35E+02	3.41E+02	3.93E+02	4.19E+02	4.59E+02
9.00E+02	2.56E+02	2.80E+02	3.02E+02	3.31E+02	3.39E+02	3.88E+02	4.12E+02	4.53E+02
9.30E+02	2.44E+02	2.70E+02	2.91E+02	3.21E+02	3.30E+02	3.86E+02	4.09E+02	4.36E+02
9.60E+02	2.37E+02	2.63E+02	2.84E+02	3.17E+02	3.23E+02	3.78E+02	3.95E+02	4.22E+02
9.90E+02	2.28E+02	2.56E+02	2.74E+02	3.03E+02	3.03E+02	3.63E+02	3.85E+02	3.99E+02
1.02E+03	2.18E+02	2.45E+02	2.64E+02	2.92E+02	2.98E+02	3.58E+02	3.72E+02	4.07E+02
1.05E+03	2.28E+02	2.54E+02	2.72E+02	2.99E+02	3.05E+02	3.60E+02	3.75E+02	4.06E+02
1.08E+03	2.34E+02	2.58E+02	2.78E+02	3.06E+02	3.08E+02	3.56E+02	3.75E+02	3.96E+02
1.11E+03	2.39E+02	2.65E+02	2.84E+02	3.13E+02	3.11E+02	3.57E+02	3.75E+02	3.92E+02
1.14E+03	2.30E+02	2.56E+02	2.75E+02	3.00E+02	3.03E+02	3.57E+02	3.73E+02	4.07E+02
1.17E+03	2.32E+02	2.58E+02	2.76E+02	3.01E+02	3.07E+02	3.56E+02	3.77E+02	4.06E+02
1.20E+03	2.38E+02	2.63E+02	2.82E+02	3.07E+02	3.14E+02	3.59E+02	3.85E+02	4.04E+02
1.23E+03	2.46E+02	2.71E+02	2.90E+02	3.16E+02	3.23E+02	3.63E+02	4.08E+02	3.98E+02
1.26E+03	2.54E+02	2.79E+02	2.98E+02	3.25E+02	3.29E+02	3.68E+02	4.09E+02	4.05E+02
1.29E+03	2.46E+02	2.72E+02	2.91E+02	3.18E+02	3.24E+02	3.65E+02	4.08E+02	3.99E+02
1.32E+03	2.47E+02	2.72E+02	2.91E+02	3.14E+02	3.19E+02	3.64E+02	4.01E+02	4.01E+02
1.35E+03	2.56E+02	2.81E+02	3.00E+02	3.25E+02	3.28E+02	3.67E+02	3.92E+02	4.17E+02
1.38E+03	2.66E+02	2.90E+02	3.11E+02	3.35E+02	3.37E+02	3.77E+02	4.06E+02	4.05E+02
1.41E+03	2.68E+02	2.93E+02	3.13E+02	3.37E+02	3.38E+02	3.80E+02	4.21E+02	4.07E+02

1.44E+03	2.68E+02	2.93E+02	3.13E+02	3.36E+02	3.37E+02	3.79E+02	4.12E+02	4.12E+02
1.47E+03	2.73E+02	2.97E+02	3.16E+02	3.40E+02	3.40E+02	3.81E+02	4.13E+02	4.21E+02
1.50E+03	2.73E+02	2.97E+02	3.17E+02	3.40E+02	3.39E+02	3.83E+02	4.10E+02	4.13E+02
1.53E+03	2.71E+02	2.97E+02	3.16E+02	3.39E+02	3.37E+02	3.81E+02	4.13E+02	4.06E+02
1.56E+03	2.69E+02	2.95E+02	3.14E+02	3.37E+02	3.37E+02	3.82E+02	4.14E+02	4.11E+02
1.59E+03	2.72E+02	2.98E+02	3.18E+02	3.42E+02	3.40E+02	3.84E+02	4.13E+02	4.12E+02
1.62E+03	2.78E+02	3.04E+02	3.24E+02	3.47E+02	3.43E+02	3.88E+02	4.19E+02	4.14E+02
1.65E+03	2.77E+02	3.03E+02	3.22E+02	3.45E+02	3.41E+02	3.86E+02	4.25E+02	4.29E+02
1.68E+03	2.79E+02	3.05E+02	3.25E+02	3.49E+02	3.48E+02	3.90E+02	4.32E+02	4.28E+02
1.71E+03	2.82E+02	3.08E+02	3.28E+02	3.53E+02	3.53E+02	3.96E+02	4.32E+02	4.26E+02
1.74E+03	2.83E+02	3.09E+02	3.29E+02	3.53E+02	3.51E+02	3.96E+02	4.28E+02	4.22E+02
1.77E+03	2.86E+02	3.11E+02	3.32E+02	3.56E+02	3.50E+02	3.93E+02	4.27E+02	4.30E+02

T TEMP -40 T TEMP -35 T TEMP -30 T TEMP -25 T TEMP -20 T TEMP -15 T TEMP -10 T TEMP -5

2.86E+02	3.11E+02	3.34E+02	3.79E+02	4.12E+02	4.64E+02	6.29E+02	7.08E+02
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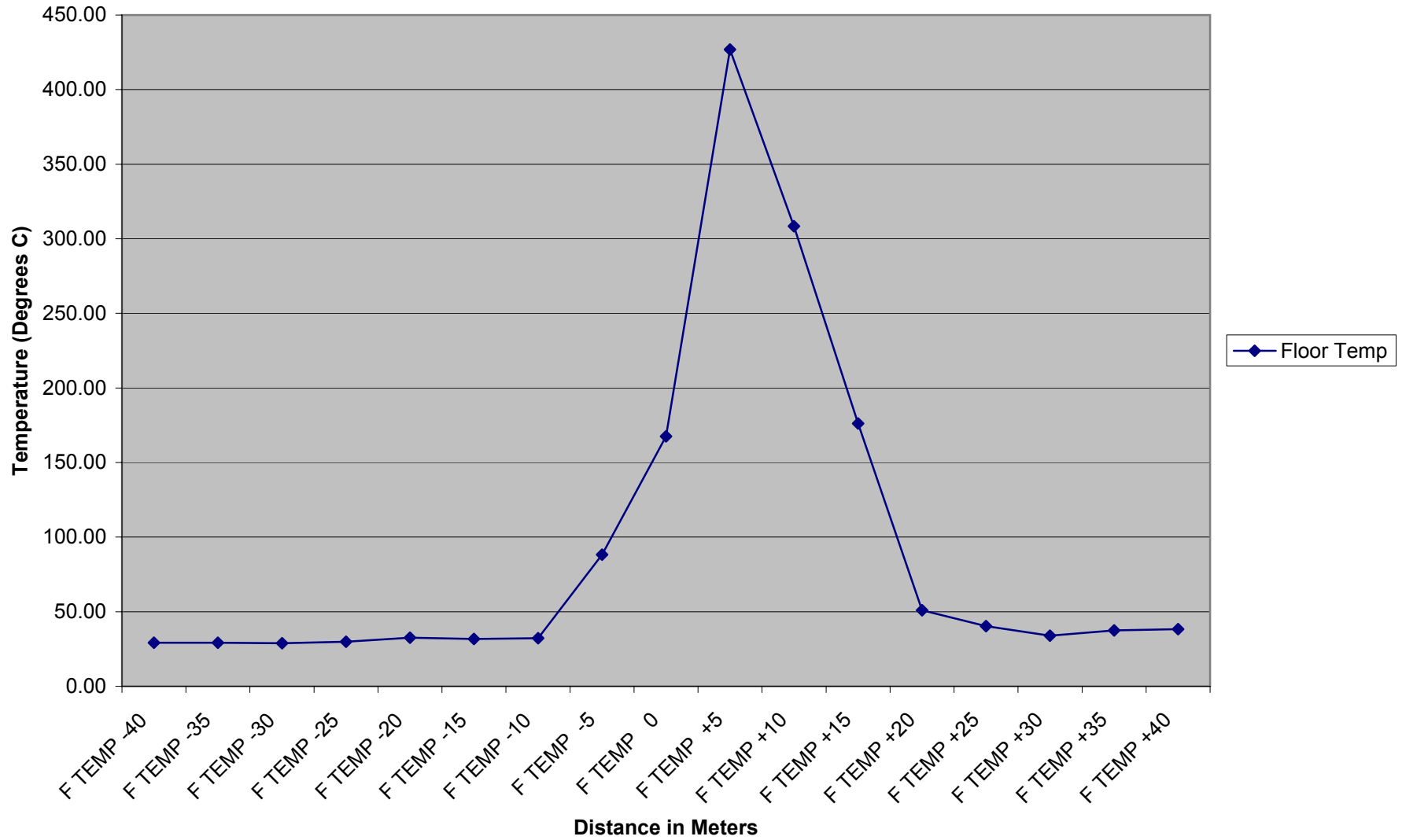
T TEMP 0 temp C	T TEMP +5 temp C	T TEMP +10 temp C	T TEMP +15 temp C	T TEMP +20 temp C	T TEMP +25 temp C	T TEMP +30 temp C	T TEMP +35 temp C	T TEMP +40 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
4.11E+02	6.89E+01	6.90E+01	6.54E+01	6.06E+01	5.49E+01	4.86E+01	4.34E+01	3.75E+01
4.16E+02	2.89E+02	2.71E+02	2.19E+02	1.91E+02	1.75E+02	1.52E+02	1.38E+02	1.23E+02
4.81E+02	2.50E+02	2.76E+02	2.52E+02	2.15E+02	2.01E+02	1.78E+02	1.65E+02	1.51E+02
6.06E+02	1.93E+02	2.24E+02	2.31E+02	2.02E+02	2.14E+02	1.96E+02	1.82E+02	1.67E+02
7.16E+02	2.31E+02	2.42E+02	2.38E+02	2.10E+02	2.24E+02	2.10E+02	1.99E+02	1.80E+02
7.89E+02	3.07E+02	2.41E+02	2.43E+02	2.15E+02	2.29E+02	2.15E+02	2.05E+02	1.88E+02
7.63E+02	3.45E+02	2.64E+02	2.60E+02	2.24E+02	2.44E+02	2.34E+02	2.23E+02	1.99E+02
7.78E+02	3.70E+02	2.70E+02	2.66E+02	2.30E+02	2.52E+02	2.42E+02	2.30E+02	2.05E+02
6.99E+02	3.05E+02	2.86E+02	2.82E+02	2.39E+02	2.62E+02	2.48E+02	2.36E+02	2.08E+02
6.45E+02	3.25E+02	2.88E+02	2.97E+02	2.49E+02	2.75E+02	2.60E+02	2.46E+02	2.13E+02
6.44E+02	4.16E+02	3.17E+02	3.25E+02	2.72E+02	3.03E+02	2.82E+02	2.65E+02	2.27E+02
7.26E+02	5.66E+02	3.40E+02	3.43E+02	2.90E+02	3.15E+02	2.97E+02	2.82E+02	2.43E+02
7.57E+02	6.76E+02	3.64E+02	3.49E+02	2.99E+02	3.21E+02	3.03E+02	2.89E+02	2.50E+02
7.84E+02	7.70E+02	4.01E+02	3.64E+02	3.13E+02	3.39E+02	3.18E+02	3.02E+02	2.62E+02
7.48E+02	7.11E+02	4.63E+02	3.87E+02	3.34E+02	3.63E+02	3.42E+02	3.21E+02	2.72E+02
7.47E+02	7.40E+02	4.85E+02	4.04E+02	3.48E+02	3.77E+02	3.52E+02	3.32E+02	2.81E+02
7.38E+02	7.46E+02	4.43E+02	4.04E+02	3.56E+02	3.91E+02	3.65E+02	3.42E+02	2.88E+02
6.59E+02	5.88E+02	3.99E+02	3.92E+02	3.23E+02	3.57E+02	3.37E+02	3.18E+02	2.69E+02
6.27E+02	6.25E+02	4.34E+02	4.16E+02	3.43E+02	3.83E+02	3.59E+02	3.35E+02	2.79E+02
6.21E+02	6.89E+02	4.57E+02	4.27E+02	3.53E+02	3.96E+02	3.73E+02	3.47E+02	2.88E+02
5.72E+02	7.20E+02	5.18E+02	4.52E+02	3.77E+02	4.18E+02	3.86E+02	3.59E+02	2.93E+02
6.36E+02	7.60E+02	5.61E+02	4.75E+02	4.09E+02	4.49E+02	4.22E+02	3.90E+02	3.16E+02
4.92E+02	5.69E+02	7.24E+02	6.61E+02	5.70E+02	5.46E+02	4.90E+02	4.64E+02	3.83E+02
4.40E+02	5.23E+02	6.30E+02	6.25E+02	6.20E+02	5.96E+02	5.14E+02	4.83E+02	4.16E+02
3.96E+02	5.06E+02	5.22E+02	5.82E+02	5.96E+02	5.84E+02	5.72E+02	5.48E+02	4.60E+02
3.97E+02	6.31E+02	4.94E+02	5.59E+02	5.83E+02	5.70E+02	5.56E+02	5.34E+02	4.49E+02
3.70E+02	6.22E+02	4.84E+02	5.23E+02	5.32E+02	5.27E+02	5.22E+02	5.09E+02	4.84E+02
3.79E+02	5.45E+02	5.19E+02	5.45E+02	5.56E+02	5.47E+02	5.38E+02	5.25E+02	5.08E+02
3.67E+02	5.12E+02	6.06E+02	5.28E+02	5.52E+02	5.46E+02	5.35E+02	5.16E+02	4.78E+02
3.07E+02	4.75E+02	6.19E+02	5.21E+02	5.24E+02	5.29E+02	5.22E+02	5.08E+02	4.75E+02
2.71E+02	4.77E+02	5.67E+02	5.87E+02	4.25E+02	4.94E+02	4.89E+02	4.73E+02	4.22E+02
2.66E+02	4.58E+02	5.39E+02	5.09E+02	3.53E+02	4.18E+02	4.20E+02	3.90E+02	3.36E+02
3.03E+02	4.46E+02	4.97E+02	5.19E+02	3.47E+02	3.86E+02	3.84E+02	3.75E+02	3.17E+02
2.92E+02	4.31E+02	5.48E+02	6.10E+02	4.95E+02	4.77E+02	4.05E+02	3.84E+02	3.25E+02
2.92E+02	4.20E+02	6.33E+02	5.63E+02	4.92E+02	4.82E+02	4.21E+02	3.89E+02	3.29E+02
3.11E+02	4.41E+02	6.32E+02	5.49E+02	4.54E+02	4.41E+02	4.02E+02	3.84E+02	3.22E+02
3.47E+02	4.31E+02	6.05E+02	5.60E+02	4.39E+02	4.42E+02	4.08E+02	3.89E+02	3.25E+02
2.86E+02	4.31E+02	6.14E+02	6.39E+02	5.40E+02	5.20E+02	4.28E+02	4.01E+02	3.43E+02
3.18E+02	4.41E+02	6.43E+02	6.34E+02	5.34E+02	5.21E+02	4.44E+02	4.09E+02	3.48E+02
3.13E+02	4.40E+02	6.09E+02	6.94E+02	5.08E+02	5.17E+02	4.49E+02	4.20E+02	3.52E+02
3.17E+02	4.33E+02	6.94E+02	6.58E+02	5.48E+02	5.32E+02	4.55E+02	4.29E+02	3.61E+02
3.24E+02	4.32E+02	6.67E+02	6.25E+02	5.36E+02	5.39E+02	4.77E+02	4.39E+02	3.63E+02
3.10E+02	4.38E+02	6.67E+02	6.94E+02	5.57E+02	5.57E+02	4.89E+02	4.55E+02	3.73E+02
3.14E+02	4.39E+02	7.15E+02	6.89E+02	5.78E+02	5.68E+02	5.12E+02	4.72E+02	3.89E+02
3.61E+02	4.42E+02	6.92E+02	6.28E+02	5.42E+02	5.48E+02	5.02E+02	4.69E+02	3.74E+02
4.19E+02	4.46E+02	6.73E+02	6.14E+02	5.55E+02	5.58E+02	4.94E+02	4.55E+02	3.76E+02
3.90E+02	4.45E+02	7.19E+02	6.23E+02	5.68E+02	5.74E+02	5.15E+02	4.65E+02	3.83E+02

4.13E+02	4.48E+02	6.78E+02	6.11E+02	5.97E+02	5.97E+02	5.36E+02	4.76E+02	3.90E+02
4.29E+02	4.53E+02	6.65E+02	6.26E+02	5.84E+02	5.87E+02	5.26E+02	4.73E+02	3.89E+02
4.35E+02	4.53E+02	6.86E+02	6.24E+02	5.78E+02	5.88E+02	5.18E+02	4.71E+02	3.92E+02
4.42E+02	4.49E+02	7.02E+02	6.62E+02	5.81E+02	5.92E+02	5.26E+02	4.80E+02	3.97E+02
4.33E+02	4.48E+02	6.97E+02	6.71E+02	5.85E+02	5.98E+02	5.34E+02	4.85E+02	3.98E+02
4.46E+02	4.54E+02	6.91E+02	6.53E+02	5.75E+02	5.91E+02	5.30E+02	4.86E+02	4.01E+02
4.68E+02	4.61E+02	6.84E+02	6.47E+02	5.84E+02	6.02E+02	5.32E+02	4.82E+02	3.98E+02
4.38E+02	4.66E+02	6.85E+02	6.58E+02	5.91E+02	6.01E+02	5.30E+02	4.88E+02	4.02E+02
4.35E+02	4.66E+02	6.73E+02	6.71E+02	5.78E+02	6.00E+02	5.38E+02	4.92E+02	4.02E+02
4.67E+02	4.75E+02	6.88E+02	6.59E+02	5.81E+02	6.02E+02	5.34E+02	4.90E+02	4.05E+02
4.88E+02	4.75E+02	6.86E+02	6.78E+02	5.95E+02	6.13E+02	5.44E+02	4.98E+02	4.11E+02
4.85E+02	4.82E+02	6.64E+02	6.60E+02	5.82E+02	6.05E+02	5.33E+02	4.89E+02	4.06E+02

T TEMP 0 T TEMP +5 T TEMP +10 T TEMP +15 T TEMP +20 T TEMP +25 T TEMP +30 T TEMP +35 T TEMP +40

7.89E+02	7.60E+02	7.24E+02	6.94E+02	6.20E+02	6.13E+02	5.72E+02	5.48E+02	5.08E+02
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Tunnel Floor Temp



floor temps

TIME	F TEMP -40	F TEMP -35	F TEMP -30	F TEMP -25	F TEMP -20	F TEMP -15	F TEMP -10	F TEMP -5
s	tmp	tmp	tmp	tmp	tmp	tmp	tmp	tmp
	C	C	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	2.02E+01	2.00E+01	2.00E+01	2.01E+01	2.14E+01	2.02E+01	2.10E+01	3.68E+01
6.00E+01	2.08E+01	2.02E+01	2.02E+01	2.05E+01	2.48E+01	2.06E+01	2.19E+01	4.97E+01
9.00E+01	2.12E+01	2.03E+01	2.03E+01	2.07E+01	2.57E+01	2.09E+01	2.25E+01	5.34E+01
1.20E+02	2.13E+01	2.04E+01	2.04E+01	2.08E+01	2.62E+01	2.11E+01	2.32E+01	6.08E+01
1.50E+02	2.14E+01	2.05E+01	2.05E+01	2.09E+01	2.60E+01	2.12E+01	2.37E+01	6.82E+01
1.80E+02	2.16E+01	2.08E+01	2.08E+01	2.11E+01	2.55E+01	2.14E+01	2.39E+01	7.51E+01
2.10E+02	2.19E+01	2.11E+01	2.10E+01	2.13E+01	2.52E+01	2.16E+01	2.39E+01	7.86E+01
2.40E+02	2.21E+01	2.14E+01	2.13E+01	2.16E+01	2.51E+01	2.19E+01	2.39E+01	8.09E+01
2.70E+02	2.23E+01	2.16E+01	2.15E+01	2.17E+01	2.50E+01	2.20E+01	2.39E+01	8.13E+01
3.00E+02	2.25E+01	2.18E+01	2.18E+01	2.19E+01	2.51E+01	2.22E+01	2.39E+01	8.08E+01
3.30E+02	2.26E+01	2.20E+01	2.19E+01	2.21E+01	2.51E+01	2.24E+01	2.40E+01	8.02E+01
3.60E+02	2.28E+01	2.22E+01	2.21E+01	2.23E+01	2.52E+01	2.26E+01	2.41E+01	8.21E+01
3.90E+02	2.32E+01	2.26E+01	2.24E+01	2.26E+01	2.53E+01	2.30E+01	2.43E+01	8.37E+01
4.20E+02	2.34E+01	2.28E+01	2.27E+01	2.29E+01	2.55E+01	2.33E+01	2.45E+01	8.44E+01
4.50E+02	2.36E+01	2.31E+01	2.30E+01	2.32E+01	2.57E+01	2.36E+01	2.48E+01	8.41E+01
4.80E+02	2.38E+01	2.33E+01	2.32E+01	2.34E+01	2.59E+01	2.39E+01	2.50E+01	8.39E+01
5.10E+02	2.40E+01	2.35E+01	2.34E+01	2.36E+01	2.60E+01	2.41E+01	2.52E+01	8.43E+01
5.40E+02	2.41E+01	2.36E+01	2.35E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01	8.41E+01
5.70E+02	2.42E+01	2.37E+01	2.35E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01	8.28E+01
6.00E+02	2.43E+01	2.38E+01	2.36E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01	8.26E+01
6.30E+02	2.43E+01	2.39E+01	2.37E+01	2.38E+01	2.61E+01	2.42E+01	2.53E+01	8.14E+01
6.60E+02	2.45E+01	2.40E+01	2.38E+01	2.39E+01	2.61E+01	2.43E+01	2.54E+01	8.15E+01
6.90E+02	2.47E+01	2.42E+01	2.41E+01	2.43E+01	2.65E+01	2.47E+01	2.57E+01	8.07E+01
7.20E+02	2.49E+01	2.45E+01	2.43E+01	2.45E+01	2.67E+01	2.51E+01	2.60E+01	7.94E+01
7.50E+02	2.50E+01	2.47E+01	2.45E+01	2.47E+01	2.69E+01	2.53E+01	2.62E+01	7.84E+01
7.80E+02	2.52E+01	2.48E+01	2.47E+01	2.49E+01	2.71E+01	2.55E+01	2.64E+01	7.73E+01
8.10E+02	2.53E+01	2.50E+01	2.48E+01	2.51E+01	2.72E+01	2.57E+01	2.65E+01	7.66E+01
8.40E+02	2.55E+01	2.52E+01	2.50E+01	2.53E+01	2.74E+01	2.59E+01	2.68E+01	7.64E+01
8.70E+02	2.56E+01	2.53E+01	2.52E+01	2.55E+01	2.76E+01	2.62E+01	2.70E+01	7.60E+01
9.00E+02	2.58E+01	2.56E+01	2.54E+01	2.58E+01	2.79E+01	2.65E+01	2.73E+01	7.53E+01
9.30E+02	2.60E+01	2.57E+01	2.56E+01	2.60E+01	2.81E+01	2.68E+01	2.75E+01	7.40E+01
9.60E+02	2.61E+01	2.59E+01	2.57E+01	2.61E+01	2.83E+01	2.70E+01	2.77E+01	7.27E+01
9.90E+02	2.62E+01	2.59E+01	2.58E+01	2.62E+01	2.83E+01	2.71E+01	2.78E+01	7.18E+01
1.02E+03	2.62E+01	2.59E+01	2.58E+01	2.63E+01	2.84E+01	2.72E+01	2.78E+01	7.20E+01
1.05E+03	2.62E+01	2.60E+01	2.58E+01	2.63E+01	2.84E+01	2.72E+01	2.79E+01	7.23E+01
1.08E+03	2.62E+01	2.60E+01	2.58E+01	2.64E+01	2.85E+01	2.73E+01	2.80E+01	7.25E+01
1.11E+03	2.63E+01	2.61E+01	2.59E+01	2.65E+01	2.86E+01	2.74E+01	2.81E+01	7.28E+01
1.14E+03	2.64E+01	2.62E+01	2.60E+01	2.66E+01	2.87E+01	2.76E+01	2.82E+01	7.33E+01
1.17E+03	2.64E+01	2.63E+01	2.61E+01	2.67E+01	2.89E+01	2.77E+01	2.84E+01	7.38E+01
1.20E+03	2.65E+01	2.64E+01	2.62E+01	2.68E+01	2.90E+01	2.79E+01	2.85E+01	7.45E+01
1.23E+03	2.67E+01	2.65E+01	2.63E+01	2.70E+01	2.92E+01	2.81E+01	2.87E+01	7.55E+01
1.26E+03	2.68E+01	2.66E+01	2.64E+01	2.71E+01	2.93E+01	2.83E+01	2.89E+01	7.61E+01
1.29E+03	2.69E+01	2.67E+01	2.65E+01	2.72E+01	2.95E+01	2.85E+01	2.91E+01	7.70E+01
1.32E+03	2.70E+01	2.68E+01	2.66E+01	2.74E+01	2.97E+01	2.86E+01	2.92E+01	7.76E+01
1.35E+03	2.71E+01	2.69E+01	2.67E+01	2.75E+01	2.98E+01	2.88E+01	2.94E+01	7.83E+01
1.38E+03	2.72E+01	2.70E+01	2.68E+01	2.76E+01	3.00E+01	2.89E+01	2.95E+01	7.97E+01
1.41E+03	2.74E+01	2.73E+01	2.70E+01	2.78E+01	3.03E+01	2.92E+01	2.98E+01	8.05E+01

1.44E+03	2.76E+01	2.75E+01	2.73E+01	2.81E+01	3.06E+01	2.96E+01	3.02E+01	8.11E+01
1.47E+03	2.78E+01	2.77E+01	2.75E+01	2.83E+01	3.08E+01	2.98E+01	3.03E+01	8.18E+01
1.50E+03	2.80E+01	2.79E+01	2.76E+01	2.85E+01	3.10E+01	3.00E+01	3.06E+01	8.25E+01
1.53E+03	2.81E+01	2.80E+01	2.78E+01	2.87E+01	3.12E+01	3.03E+01	3.08E+01	8.32E+01
1.56E+03	2.83E+01	2.82E+01	2.79E+01	2.88E+01	3.14E+01	3.05E+01	3.10E+01	8.36E+01
1.59E+03	2.84E+01	2.83E+01	2.80E+01	2.90E+01	3.16E+01	3.06E+01	3.12E+01	8.43E+01
1.62E+03	2.85E+01	2.84E+01	2.82E+01	2.91E+01	3.17E+01	3.08E+01	3.13E+01	8.52E+01
1.65E+03	2.86E+01	2.85E+01	2.83E+01	2.92E+01	3.19E+01	3.09E+01	3.15E+01	8.58E+01
1.68E+03	2.88E+01	2.87E+01	2.84E+01	2.94E+01	3.21E+01	3.11E+01	3.17E+01	8.62E+01
1.71E+03	2.89E+01	2.88E+01	2.86E+01	2.96E+01	3.23E+01	3.13E+01	3.19E+01	8.67E+01
1.74E+03	2.91E+01	2.90E+01	2.88E+01	2.98E+01	3.25E+01	3.16E+01	3.21E+01	8.74E+01
1.77E+03	2.92E+01	2.91E+01	2.89E+01	2.99E+01	3.26E+01	3.17E+01	3.22E+01	8.83E+01

F TEMP -40 F TEMP -35 F TEMP -30 F TEMP -25 F TEMP -20 F TEMP -15 F TEMP -10 F TEMP -5

2.92E+01	2.91E+01	2.89E+01	2.99E+01	3.26E+01	3.17E+01	3.22E+01	8.83E+01
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F TEMP 0 tmp C	F TEMP +5 tmp C	F TEMP +10 tmp C	F TEMP +15 tmp C	F TEMP +20 tmp C	F TEMP +25 tmp C	F TEMP +30 tmp C	F TEMP +35 tmp C	F TEMP +40 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
1.59E+02	3.82E+01	2.07E+01	2.02E+01	2.09E+01	2.01E+01	2.00E+01	2.00E+01	2.12E+01
6.00E+01	4.21E+01	2.17E+01	2.08E+01	2.37E+01	2.03E+01	2.02E+01	2.02E+01	2.44E+01
6.88E+01	4.98E+01	2.25E+01	2.13E+01	2.56E+01	2.06E+01	2.04E+01	2.04E+01	2.63E+01
1.65E+02	6.43E+01	2.26E+01	2.13E+01	2.52E+01	2.06E+01	2.04E+01	2.04E+01	2.69E+01
2.39E+02	8.59E+01	2.30E+01	2.13E+01	2.49E+01	2.06E+01	2.05E+01	2.05E+01	2.70E+01
3.21E+02	1.47E+02	2.38E+01	2.14E+01	2.48E+01	2.07E+01	2.06E+01	2.06E+01	2.70E+01
3.24E+02	1.56E+02	2.39E+01	2.15E+01	2.46E+01	2.08E+01	2.07E+01	2.08E+01	2.69E+01
3.39E+02	2.15E+02	2.40E+01	2.17E+01	2.44E+01	2.10E+01	2.09E+01	2.11E+01	2.67E+01
3.05E+02	1.71E+02	2.39E+01	2.19E+01	2.42E+01	2.12E+01	2.12E+01	2.13E+01	2.65E+01
2.66E+02	1.53E+02	2.38E+01	2.21E+01	2.42E+01	2.14E+01	2.13E+01	2.15E+01	2.63E+01
2.31E+02	1.46E+02	2.39E+01	2.23E+01	2.42E+01	2.15E+01	2.15E+01	2.16E+01	2.62E+01
2.45E+02	1.60E+02	2.41E+01	2.25E+01	2.42E+01	2.17E+01	2.17E+01	2.18E+01	2.62E+01
2.68E+02	2.24E+02	2.47E+01	2.27E+01	2.42E+01	2.19E+01	2.19E+01	2.21E+01	2.62E+01
2.78E+02	3.82E+02	2.63E+01	2.29E+01	2.43E+01	2.21E+01	2.21E+01	2.24E+01	2.63E+01
2.49E+02	3.91E+02	2.77E+01	2.32E+01	2.44E+01	2.24E+01	2.24E+01	2.26E+01	2.63E+01
2.29E+02	4.14E+02	2.86E+01	2.35E+01	2.45E+01	2.26E+01	2.26E+01	2.29E+01	2.64E+01
2.15E+02	4.27E+02	2.88E+01	2.37E+01	2.46E+01	2.28E+01	2.28E+01	2.31E+01	2.64E+01
2.17E+02	3.27E+02	2.77E+01	2.38E+01	2.47E+01	2.29E+01	2.29E+01	2.32E+01	2.64E+01
1.92E+02	2.77E+02	2.73E+01	2.40E+01	2.47E+01	2.30E+01	2.30E+01	2.33E+01	2.63E+01
1.80E+02	2.51E+02	2.70E+01	2.41E+01	2.48E+01	2.32E+01	2.32E+01	2.34E+01	2.63E+01
1.58E+02	2.34E+02	2.69E+01	2.43E+01	2.49E+01	2.33E+01	2.33E+01	2.36E+01	2.64E+01
1.48E+02	2.64E+02	2.75E+01	2.45E+01	2.50E+01	2.35E+01	2.35E+01	2.37E+01	2.64E+01
1.37E+02	2.93E+02	4.03E+01	2.47E+01	2.51E+01	2.36E+01	2.36E+01	2.39E+01	2.65E+01
1.19E+02	2.92E+02	7.70E+01	2.51E+01	2.53E+01	2.39E+01	2.39E+01	2.42E+01	2.67E+01
9.39E+01	2.87E+02	1.07E+02	2.57E+01	2.55E+01	2.41E+01	2.42E+01	2.45E+01	2.69E+01
7.31E+01	2.80E+02	8.97E+01	2.58E+01	2.57E+01	2.44E+01	2.45E+01	2.48E+01	2.72E+01
6.29E+01	2.74E+02	1.11E+02	2.63E+01	2.60E+01	2.48E+01	2.48E+01	2.53E+01	2.76E+01
6.23E+01	2.77E+02	1.82E+02	2.75E+01	2.65E+01	2.53E+01	2.54E+01	2.59E+01	2.82E+01
6.06E+01	2.77E+02	1.91E+02	3.18E+01	2.71E+01	2.59E+01	2.60E+01	2.66E+01	2.88E+01
5.70E+01	2.75E+02	1.87E+02	5.75E+01	2.77E+01	2.66E+01	2.66E+01	2.72E+01	2.95E+01
5.25E+01	2.66E+02	1.82E+02	9.88E+01	2.92E+01	2.74E+01	2.75E+01	2.80E+01	3.01E+01
4.90E+01	2.53E+02	1.76E+02	1.08E+02	4.03E+01	3.04E+01	2.95E+01	3.01E+01	3.18E+01
4.82E+01	2.40E+02	1.67E+02	1.09E+02	5.99E+01	3.72E+01	3.22E+01	3.26E+01	3.40E+01
5.08E+01	2.47E+02	1.76E+02	9.60E+01	4.66E+01	3.37E+01	3.13E+01	3.17E+01	3.31E+01
5.24E+01	2.53E+02	1.84E+02	9.42E+01	4.33E+01	3.27E+01	3.18E+01	3.11E+01	3.24E+01
5.37E+01	2.55E+02	1.91E+02	1.12E+02	4.69E+01	4.03E+01	3.60E+01	3.30E+01	3.73E+01
5.49E+01	2.56E+02	1.95E+02	1.11E+02	4.59E+01	3.90E+01	3.57E+01	3.41E+01	3.72E+01
5.40E+01	2.62E+02	2.05E+02	1.01E+02	4.38E+01	3.75E+01	3.50E+01	3.40E+01	3.65E+01
5.67E+01	2.69E+02	2.16E+02	1.09E+02	4.97E+01	3.83E+01	3.47E+01	3.31E+01	3.53E+01
5.82E+01	2.80E+02	2.30E+02	1.68E+02	4.88E+01	3.75E+01	3.44E+01	3.29E+01	3.47E+01
6.01E+01	2.88E+02	2.43E+02	1.76E+02	5.09E+01	3.78E+01	3.39E+01	3.25E+01	3.42E+01
6.30E+01	2.95E+02	2.52E+02	1.74E+02	4.85E+01	3.79E+01	3.55E+01	3.40E+01	3.62E+01
7.46E+01	3.07E+02	2.71E+02	1.54E+02	4.65E+01	3.73E+01	3.50E+01	3.36E+01	3.53E+01
6.84E+01	3.09E+02	2.78E+02	1.29E+02	4.42E+01	3.62E+01	3.41E+01	3.30E+01	3.47E+01
6.45E+01	3.07E+02	2.74E+02	1.23E+02	4.42E+01	3.69E+01	3.57E+01	3.74E+01	3.83E+01
7.67E+01	3.17E+02	2.83E+02	1.22E+02	4.63E+01	3.96E+01	3.64E+01	3.64E+01	3.74E+01
9.75E+01	3.27E+02	2.96E+02	1.14E+02	4.46E+01	3.83E+01	3.53E+01	3.52E+01	3.63E+01

1.04E+02	3.33E+02	2.95E+02	1.07E+02	4.29E+01	3.70E+01	3.46E+01	3.46E+01	3.57E+01
1.01E+02	3.33E+02	3.01E+02	1.04E+02	4.20E+01	3.63E+01	3.42E+01	3.42E+01	3.53E+01
1.13E+02	3.40E+02	3.08E+02	9.78E+01	4.13E+01	3.59E+01	3.41E+01	3.41E+01	3.52E+01
1.29E+02	3.48E+02	2.75E+02	9.41E+01	4.08E+01	3.57E+01	3.39E+01	3.39E+01	3.50E+01
1.22E+02	3.50E+02	2.64E+02	9.09E+01	4.04E+01	3.55E+01	3.38E+01	3.38E+01	3.49E+01
1.27E+02	3.53E+02	2.67E+02	8.81E+01	4.01E+01	3.53E+01	3.37E+01	3.38E+01	3.48E+01
1.44E+02	3.59E+02	2.72E+02	8.58E+01	3.99E+01	3.52E+01	3.37E+01	3.38E+01	3.49E+01
1.46E+02	3.61E+02	2.57E+02	8.39E+01	3.97E+01	3.52E+01	3.37E+01	3.38E+01	3.49E+01
1.49E+02	3.65E+02	2.53E+02	8.20E+01	3.95E+01	3.51E+01	3.37E+01	3.39E+01	3.48E+01
1.57E+02	3.69E+02	2.51E+02	8.04E+01	3.93E+01	3.51E+01	3.37E+01	3.39E+01	3.49E+01
1.56E+02	3.72E+02	2.37E+02	7.90E+01	3.92E+01	3.51E+01	3.38E+01	3.40E+01	3.49E+01
1.68E+02	3.78E+02	2.16E+02	7.76E+01	3.91E+01	3.51E+01	3.39E+01	3.41E+01	3.50E+01

F TEMP 0 F TEMP +5 F TEMP +10 F TEMP +15 F TEMP +20 F TEMP +25 F TEMP +30 F TEMP +35 F TEMP +40

1.68E+02	4.27E+02	3.08E+02	1.76E+02	5.09E+01	4.03E+01	3.39E+01	3.74E+01	3.83E+01
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TIME	C TEMP -40	C TEMP -35	C TEMP -30	C TEMP -25	C TEMP -20	C TEMP -15
s	tmp	tmp	tmp	tmp	tmp	tmp
	C	C	C	C	C	C
2.30E-01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.01E+01	5.10E+01	5.86E+01	7.63E+01	9.83E+01	1.12E+02	1.44E+02
6.00E+01	1.15E+02	1.37E+02	1.72E+02	2.20E+02	2.73E+02	3.18E+02
9.00E+01	1.38E+02	1.66E+02	2.11E+02	2.75E+02	3.42E+02	4.09E+02
1.20E+02	1.63E+02	1.97E+02	2.59E+02	3.40E+02	4.09E+02	5.09E+02
1.50E+02	1.78E+02	2.10E+02	2.69E+02	3.48E+02	4.24E+02	5.26E+02
1.80E+02	1.84E+02	2.15E+02	2.67E+02	3.36E+02	4.03E+02	4.91E+02
2.10E+02	1.98E+02	2.30E+02	2.85E+02	3.58E+02	4.30E+02	5.24E+02
2.40E+02	2.15E+02	2.52E+02	3.14E+02	3.95E+02	4.68E+02	5.67E+02
2.70E+02	2.40E+02	2.84E+02	3.57E+02	4.57E+02	5.48E+02	6.69E+02
3.00E+02	2.72E+02	3.24E+02	4.10E+02	5.22E+02	6.17E+02	7.31E+02
3.30E+02	2.99E+02	3.54E+02	4.40E+02	5.46E+02	6.44E+02	7.54E+02
3.60E+02	3.04E+02	3.56E+02	4.37E+02	5.33E+02	6.15E+02	7.04E+02
3.90E+02	3.01E+02	3.47E+02	4.18E+02	5.02E+02	5.81E+02	6.68E+02
4.20E+02	3.02E+02	3.46E+02	4.11E+02	4.86E+02	5.56E+02	6.30E+02
4.50E+02	3.03E+02	3.45E+02	4.06E+02	4.74E+02	5.38E+02	6.05E+02
4.80E+02	3.06E+02	3.47E+02	4.05E+02	4.71E+02	5.33E+02	6.00E+02
5.10E+02	3.10E+02	3.50E+02	4.07E+02	4.72E+02	5.35E+02	6.05E+02
5.40E+02	3.37E+02	3.85E+02	4.59E+02	5.45E+02	6.23E+02	7.16E+02
5.70E+02	3.72E+02	4.28E+02	5.10E+02	6.05E+02	6.85E+02	7.66E+02
6.00E+02	3.85E+02	4.42E+02	5.25E+02	6.19E+02	6.99E+02	7.82E+02
6.30E+02	4.06E+02	4.66E+02	5.51E+02	6.44E+02	7.24E+02	7.83E+02
6.60E+02	4.07E+02	4.62E+02	5.39E+02	6.22E+02	6.91E+02	7.51E+02
6.90E+02	3.84E+02	4.29E+02	4.91E+02	5.53E+02	6.03E+02	6.45E+02
7.20E+02	3.67E+02	4.07E+02	4.60E+02	5.13E+02	5.55E+02	5.89E+02
7.50E+02	3.56E+02	3.92E+02	4.40E+02	4.89E+02	5.27E+02	5.60E+02
7.80E+02	3.48E+02	3.82E+02	4.27E+02	4.73E+02	5.10E+02	5.44E+02
8.10E+02	3.41E+02	3.74E+02	4.17E+02	4.61E+02	4.98E+02	5.34E+02
8.40E+02	3.38E+02	3.69E+02	4.11E+02	4.53E+02	4.89E+02	5.23E+02
8.70E+02	3.35E+02	3.66E+02	4.06E+02	4.48E+02	4.84E+02	5.18E+02
9.00E+02	3.31E+02	3.60E+02	3.99E+02	4.38E+02	4.71E+02	5.02E+02
9.30E+02	3.25E+02	3.54E+02	3.90E+02	4.28E+02	4.59E+02	4.89E+02
9.60E+02	3.19E+02	3.46E+02	3.81E+02	4.16E+02	4.46E+02	4.74E+02
9.90E+02	3.16E+02	3.43E+02	3.80E+02	4.17E+02	4.47E+02	4.77E+02
1.02E+03	3.09E+02	3.35E+02	3.68E+02	4.02E+02	4.30E+02	4.56E+02
1.05E+03	3.06E+02	3.30E+02	3.62E+02	3.95E+02	4.21E+02	4.46E+02
1.08E+03	3.04E+02	3.28E+02	3.59E+02	3.90E+02	4.16E+02	4.40E+02
1.11E+03	3.04E+02	3.28E+02	3.59E+02	3.92E+02	4.18E+02	4.42E+02
1.14E+03	3.01E+02	3.24E+02	3.54E+02	3.85E+02	4.10E+02	4.34E+02
1.17E+03	2.99E+02	3.22E+02	3.51E+02	3.81E+02	4.05E+02	4.28E+02
1.20E+03	2.99E+02	3.21E+02	3.50E+02	3.79E+02	4.03E+02	4.26E+02
1.23E+03	2.99E+02	3.21E+02	3.50E+02	3.78E+02	4.02E+02	4.25E+02
1.26E+03	3.02E+02	3.24E+02	3.52E+02	3.81E+02	4.06E+02	4.31E+02
1.29E+03	3.02E+02	3.23E+02	3.51E+02	3.80E+02	4.04E+02	4.28E+02
1.32E+03	3.01E+02	3.22E+02	3.50E+02	3.78E+02	4.03E+02	4.26E+02
1.35E+03	3.04E+02	3.26E+02	3.54E+02	3.83E+02	4.09E+02	4.36E+02
1.38E+03	3.07E+02	3.29E+02	3.57E+02	3.86E+02	4.12E+02	4.38E+02
1.41E+03	3.09E+02	3.31E+02	3.58E+02	3.87E+02	4.12E+02	4.37E+02

1.44E+03	3.10E+02	3.31E+02	3.58E+02	3.86E+02	4.11E+02	4.35E+02
1.47E+03	3.12E+02	3.33E+02	3.61E+02	3.90E+02	4.16E+02	4.42E+02
1.50E+03	3.14E+02	3.35E+02	3.62E+02	3.91E+02	4.16E+02	4.40E+02
1.53E+03	3.14E+02	3.35E+02	3.62E+02	3.90E+02	4.14E+02	4.38E+02
1.56E+03	3.15E+02	3.35E+02	3.62E+02	3.89E+02	4.13E+02	4.36E+02
1.59E+03	3.16E+02	3.36E+02	3.63E+02	3.90E+02	4.14E+02	4.37E+02
1.62E+03	3.18E+02	3.38E+02	3.65E+02	3.92E+02	4.16E+02	4.40E+02
1.65E+03	3.19E+02	3.40E+02	3.66E+02	3.94E+02	4.18E+02	4.42E+02
1.68E+03	3.22E+02	3.42E+02	3.69E+02	3.97E+02	4.22E+02	4.46E+02
1.71E+03	3.23E+02	3.44E+02	3.71E+02	3.99E+02	4.24E+02	4.49E+02
1.74E+03	3.25E+02	3.46E+02	3.72E+02	4.00E+02	4.25E+02	4.49E+02
1.77E+03	3.28E+02	3.48E+02	3.75E+02	4.04E+02	4.29E+02	4.54E+02
Avg Temp	293.79	324.45	368.56	418.28	462.16	508.82
°F	560.82	616.02	695.41	784.91	863.89	947.88

C TEMP -10 tmp C	C TEMP -5 tmp C	C TEMP 0 tmp C	C TEMP +5 tmp C	C TEMP +10 tmp C	C TEMP +15 tmp C	C TEMP +20 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
1.72E+02	1.78E+02	2.00E+02	1.81E+02	1.64E+02	1.37E+02	1.15E+02
3.44E+02	3.21E+02	2.27E+02	2.97E+02	3.79E+02	3.56E+02	2.96E+02
4.56E+02	4.43E+02	3.04E+02	4.16E+02	4.93E+02	4.82E+02	4.10E+02
6.30E+02	6.77E+02	4.75E+02	5.80E+02	5.87E+02	5.31E+02	4.51E+02
6.57E+02	7.46E+02	6.33E+02	7.37E+02	6.63E+02	5.76E+02	4.76E+02
6.03E+02	6.80E+02	7.98E+02	9.01E+02	7.31E+02	5.92E+02	4.75E+02
6.53E+02	7.45E+02	8.07E+02	9.02E+02	7.46E+02	6.26E+02	4.95E+02
7.04E+02	7.84E+02	8.26E+02	9.19E+02	7.74E+02	6.41E+02	5.10E+02
8.15E+02	8.66E+02	7.60E+02	8.85E+02	7.77E+02	6.76E+02	5.42E+02
8.36E+02	8.28E+02	7.05E+02	8.24E+02	7.74E+02	6.91E+02	5.81E+02
8.38E+02	7.89E+02	6.59E+02	7.91E+02	7.81E+02	7.08E+02	6.14E+02
7.88E+02	8.24E+02	7.08E+02	8.60E+02	8.51E+02	7.65E+02	6.53E+02
7.76E+02	8.63E+02	7.60E+02	9.31E+02	8.85E+02	7.88E+02	6.71E+02
7.17E+02	7.92E+02	8.26E+02	9.59E+02	9.17E+02	8.08E+02	6.88E+02
6.80E+02	7.41E+02	8.31E+02	9.21E+02	9.14E+02	8.51E+02	7.40E+02
6.80E+02	7.54E+02	8.21E+02	9.05E+02	9.01E+02	8.70E+02	7.70E+02
6.92E+02	7.62E+02	7.94E+02	8.97E+02	8.96E+02	8.70E+02	7.91E+02
8.14E+02	8.17E+02	7.21E+02	8.82E+02	8.81E+02	8.34E+02	7.57E+02
8.31E+02	7.52E+02	6.54E+02	8.02E+02	8.26E+02	8.07E+02	7.59E+02
8.46E+02	7.74E+02	6.49E+02	7.88E+02	8.19E+02	8.06E+02	7.67E+02
8.13E+02	7.39E+02	6.03E+02	7.45E+02	7.82E+02	7.78E+02	7.60E+02
7.98E+02	7.23E+02	6.55E+02	7.63E+02	7.76E+02	7.95E+02	7.85E+02
6.76E+02	6.48E+02	7.14E+02	7.69E+02	6.86E+02	7.14E+02	7.41E+02
6.14E+02	6.01E+02	6.68E+02	7.25E+02	6.28E+02	6.49E+02	6.75E+02
5.87E+02	5.86E+02	6.62E+02	7.08E+02	5.93E+02	5.99E+02	6.16E+02
5.77E+02	5.87E+02	6.69E+02	6.86E+02	5.62E+02	5.75E+02	5.95E+02
5.71E+02	5.88E+02	6.62E+02	6.72E+02	5.45E+02	5.41E+02	5.51E+02
5.57E+02	5.75E+02	6.51E+02	6.86E+02	5.58E+02	5.38E+02	5.39E+02
5.55E+02	5.75E+02	6.32E+02	6.57E+02	5.95E+02	5.33E+02	5.28E+02
5.33E+02	5.52E+02	5.99E+02	6.44E+02	6.03E+02	5.38E+02	5.19E+02
5.18E+02	5.36E+02	5.70E+02	6.06E+02	5.82E+02	5.62E+02	5.28E+02
5.00E+02	5.15E+02	5.41E+02	5.70E+02	5.63E+02	5.51E+02	5.14E+02
5.06E+02	5.23E+02	5.44E+02	5.63E+02	5.47E+02	5.42E+02	5.03E+02
4.80E+02	4.91E+02	5.10E+02	5.33E+02	5.36E+02	5.55E+02	5.06E+02
4.70E+02	4.81E+02	5.03E+02	5.35E+02	5.74E+02	5.44E+02	5.03E+02
4.62E+02	4.73E+02	5.01E+02	5.36E+02	5.83E+02	5.41E+02	4.96E+02
4.66E+02	4.79E+02	5.16E+02	5.50E+02	5.84E+02	5.36E+02	4.93E+02
4.57E+02	4.69E+02	5.00E+02	5.34E+02	5.70E+02	6.01E+02	5.29E+02
4.51E+02	4.61E+02	4.94E+02	5.36E+02	5.79E+02	6.20E+02	5.39E+02
4.49E+02	4.61E+02	4.92E+02	5.31E+02	5.85E+02	6.50E+02	5.54E+02
4.49E+02	4.63E+02	4.96E+02	5.42E+02	6.19E+02	6.41E+02	5.66E+02
4.58E+02	4.75E+02	5.18E+02	5.73E+02	6.31E+02	6.19E+02	5.55E+02
4.52E+02	4.66E+02	5.05E+02	5.51E+02	6.17E+02	6.65E+02	5.82E+02
4.52E+02	4.67E+02	5.13E+02	5.71E+02	6.49E+02	6.58E+02	5.99E+02
4.67E+02	4.88E+02	5.57E+02	6.34E+02	6.70E+02	6.24E+02	5.97E+02
4.66E+02	4.85E+02	5.67E+02	6.46E+02	6.88E+02	6.17E+02	5.86E+02
4.64E+02	4.82E+02	5.69E+02	6.39E+02	7.29E+02	6.13E+02	5.86E+02

4.61E+02	4.78E+02	5.76E+02	6.60E+02	7.20E+02	6.17E+02	5.92E+02
4.72E+02	4.92E+02	6.08E+02	6.94E+02	6.95E+02	6.11E+02	5.95E+02
4.68E+02	4.86E+02	6.05E+02	6.93E+02	7.25E+02	6.17E+02	6.04E+02
4.63E+02	4.80E+02	5.99E+02	6.81E+02	7.51E+02	6.28E+02	6.05E+02
4.60E+02	4.77E+02	5.91E+02	6.76E+02	7.42E+02	6.41E+02	6.12E+02
4.62E+02	4.81E+02	6.03E+02	6.89E+02	7.55E+02	6.36E+02	6.16E+02
4.65E+02	4.83E+02	6.27E+02	7.34E+02	7.44E+02	6.35E+02	6.15E+02
4.68E+02	4.86E+02	6.30E+02	7.43E+02	7.55E+02	6.47E+02	6.30E+02
4.73E+02	4.89E+02	6.50E+02	7.56E+02	7.39E+02	6.37E+02	6.26E+02
4.75E+02	4.88E+02	6.60E+02	7.65E+02	7.42E+02	6.46E+02	6.31E+02
4.75E+02	4.92E+02	6.59E+02	7.60E+02	7.54E+02	6.53E+02	6.34E+02
4.81E+02	4.98E+02	6.88E+02	7.96E+02	7.15E+02	6.46E+02	6.29E+02
557.05	572.91	601.42	679.20	670.86	624.13	575.30
1034.68	1063.23	1114.56	1254.55	1239.55	1155.44	1067.53

C TEMP +25 tmp C	C TEMP +30 tmp C	C TEMP +35 tmp C	C TEMP +40 tmp C	W TEMP -40 tmp C	W TEMP -35 tmp C	W TEMP -30 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
1.07E+02	7.97E+01	6.01E+01	5.23E+01	2.12E+01	2.15E+01	2.20E+01
2.56E+02	1.98E+02	1.50E+02	1.24E+02	2.55E+01	2.64E+01	2.81E+01
3.46E+02	2.68E+02	2.04E+02	1.69E+02	3.03E+01	3.13E+01	3.32E+01
3.90E+02	2.97E+02	2.25E+02	1.87E+02	3.50E+01	3.64E+01	3.87E+01
4.06E+02	3.13E+02	2.42E+02	2.03E+02	3.94E+01	4.10E+01	4.37E+01
4.00E+02	3.15E+02	2.51E+02	2.14E+02	4.49E+01	4.68E+01	4.95E+01
4.15E+02	3.29E+02	2.65E+02	2.28E+02	4.94E+01	5.12E+01	5.40E+01
4.32E+02	3.45E+02	2.81E+02	2.43E+02	5.30E+01	5.51E+01	5.81E+01
4.60E+02	3.64E+02	2.97E+02	2.57E+02	5.62E+01	5.83E+01	6.15E+01
5.12E+02	4.09E+02	3.27E+02	2.81E+02	5.90E+01	6.14E+01	6.50E+01
5.49E+02	4.49E+02	3.60E+02	3.09E+02	6.17E+01	6.43E+01	6.86E+01
5.71E+02	4.66E+02	3.79E+02	3.27E+02	6.49E+01	6.79E+01	7.27E+01
5.83E+02	4.73E+02	3.89E+02	3.38E+02	6.90E+01	7.23E+01	7.71E+01
6.03E+02	4.93E+02	4.07E+02	3.55E+02	7.27E+01	7.63E+01	8.16E+01
6.51E+02	5.32E+02	4.37E+02	3.80E+02	7.67E+01	8.07E+01	8.62E+01
6.93E+02	5.77E+02	4.72E+02	4.07E+02	8.00E+01	8.42E+01	9.00E+01
7.23E+02	6.07E+02	4.99E+02	4.32E+02	8.32E+01	8.76E+01	9.37E+01
6.91E+02	5.87E+02	4.92E+02	4.31E+02	8.53E+01	8.96E+01	9.56E+01
7.10E+02	6.13E+02	5.16E+02	4.53E+02	8.67E+01	9.12E+01	9.79E+01
7.24E+02	6.34E+02	5.39E+02	4.72E+02	8.83E+01	9.28E+01	9.99E+01
7.27E+02	6.46E+02	5.57E+02	4.93E+02	9.02E+01	9.50E+01	1.03E+02
7.57E+02	6.80E+02	5.95E+02	5.27E+02	9.22E+01	9.71E+01	1.05E+02
7.27E+02	6.81E+02	6.23E+02	5.75E+02	9.47E+01	1.00E+02	1.09E+02
6.61E+02	6.30E+02	5.95E+02	5.65E+02	9.74E+01	1.04E+02	1.13E+02
6.11E+02	5.92E+02	5.66E+02	5.41E+02	9.95E+01	1.06E+02	1.16E+02
5.85E+02	5.64E+02	5.39E+02	5.16E+02	1.01E+02	1.08E+02	1.17E+02
5.47E+02	5.31E+02	5.08E+02	4.87E+02	1.01E+02	1.08E+02	1.18E+02
5.32E+02	5.17E+02	4.93E+02	4.73E+02	1.04E+02	1.11E+02	1.21E+02
5.20E+02	5.03E+02	4.81E+02	4.61E+02	1.05E+02	1.13E+02	1.23E+02
5.09E+02	4.92E+02	4.71E+02	4.54E+02	1.07E+02	1.14E+02	1.26E+02
5.05E+02	4.83E+02	4.61E+02	4.43E+02	1.07E+02	1.14E+02	1.26E+02
4.89E+02	4.66E+02	4.43E+02	4.26E+02	1.06E+02	1.14E+02	1.26E+02
4.76E+02	4.51E+02	4.27E+02	4.09E+02	1.06E+02	1.13E+02	1.25E+02
4.82E+02	4.56E+02	4.31E+02	4.11E+02	1.04E+02	1.11E+02	1.22E+02
4.84E+02	4.59E+02	4.33E+02	4.14E+02	1.05E+02	1.12E+02	1.23E+02
4.77E+02	4.54E+02	4.29E+02	4.09E+02	1.05E+02	1.13E+02	1.24E+02
4.74E+02	4.49E+02	4.24E+02	4.04E+02	1.07E+02	1.15E+02	1.26E+02
5.03E+02	4.72E+02	4.41E+02	4.19E+02	1.07E+02	1.15E+02	1.26E+02
5.13E+02	4.82E+02	4.52E+02	4.29E+02	1.08E+02	1.15E+02	1.26E+02
5.26E+02	4.94E+02	4.62E+02	4.38E+02	1.09E+02	1.17E+02	1.28E+02
5.38E+02	5.05E+02	4.72E+02	4.47E+02	1.11E+02	1.19E+02	1.30E+02
5.32E+02	5.03E+02	4.72E+02	4.49E+02	1.13E+02	1.22E+02	1.34E+02
5.56E+02	5.23E+02	4.90E+02	4.63E+02	1.14E+02	1.22E+02	1.34E+02
5.74E+02	5.39E+02	5.05E+02	4.79E+02	1.15E+02	1.23E+02	1.35E+02
5.78E+02	5.44E+02	5.10E+02	4.83E+02	1.17E+02	1.25E+02	1.37E+02
5.68E+02	5.38E+02	5.06E+02	4.81E+02	1.19E+02	1.28E+02	1.41E+02
5.65E+02	5.35E+02	5.05E+02	4.81E+02	1.22E+02	1.31E+02	1.44E+02

5.72E+02	5.43E+02	5.12E+02	4.87E+02	1.24E+02	1.33E+02	1.46E+02
5.75E+02	5.44E+02	5.14E+02	4.89E+02	1.26E+02	1.35E+02	1.49E+02
5.81E+02	5.49E+02	5.18E+02	4.93E+02	1.28E+02	1.37E+02	1.51E+02
5.85E+02	5.55E+02	5.24E+02	4.99E+02	1.29E+02	1.39E+02	1.52E+02
5.92E+02	5.64E+02	5.34E+02	5.08E+02	1.30E+02	1.40E+02	1.53E+02
5.96E+02	5.68E+02	5.39E+02	5.15E+02	1.31E+02	1.41E+02	1.55E+02
5.93E+02	5.66E+02	5.37E+02	5.13E+02	1.33E+02	1.43E+02	1.57E+02
6.06E+02	5.75E+02	5.44E+02	5.18E+02	1.35E+02	1.45E+02	1.59E+02
6.07E+02	5.79E+02	5.49E+02	5.23E+02	1.36E+02	1.47E+02	1.61E+02
6.09E+02	5.80E+02	5.49E+02	5.24E+02	1.38E+02	1.48E+02	1.63E+02
6.14E+02	5.86E+02	5.55E+02	5.29E+02	1.39E+02	1.50E+02	1.64E+02
6.10E+02	5.84E+02	5.54E+02	5.28E+02	1.41E+02	1.52E+02	1.66E+02
539.96	489.21	442.16	409.78	94.28	100.56	109.55
1003.92	912.57	827.88	769.61	201.70	213.01	229.19

W TEMP -25 tmp C	W TEMP -20 tmp C	W TEMP -15 tmp C	W TEMP -10 tmp C	W TEMP -5 tmp C	W TEMP 0 tmp C	W TEMP +5 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.28E+01	2.40E+01	2.54E+01	2.74E+01	3.23E+01	4.31E+01	2.90E+01
3.08E+01	3.44E+01	3.73E+01	4.05E+01	4.62E+01	5.97E+01	4.72E+01
3.62E+01	4.02E+01	4.36E+01	4.81E+01	5.52E+01	7.51E+01	6.04E+01
4.20E+01	4.63E+01	5.03E+01	5.65E+01	6.66E+01	8.74E+01	5.72E+01
4.74E+01	5.19E+01	5.67E+01	6.39E+01	7.38E+01	1.00E+02	6.20E+01
5.34E+01	5.79E+01	6.29E+01	7.03E+01	7.86E+01	1.22E+02	7.54E+01
5.78E+01	6.22E+01	6.78E+01	7.58E+01	8.48E+01	1.35E+02	7.87E+01
6.23E+01	6.73E+01	7.33E+01	8.21E+01	9.10E+01	1.48E+02	8.15E+01
6.62E+01	7.21E+01	7.88E+01	9.03E+01	9.98E+01	1.57E+02	8.00E+01
7.07E+01	7.76E+01	8.55E+01	9.87E+01	1.11E+02	1.67E+02	8.02E+01
7.54E+01	8.40E+01	9.37E+01	1.10E+02	1.28E+02	1.82E+02	8.38E+01
8.02E+01	8.93E+01	9.99E+01	1.17E+02	1.34E+02	1.91E+02	9.52E+01
8.43E+01	9.31E+01	1.04E+02	1.20E+02	1.36E+02	2.01E+02	1.18E+02
8.90E+01	9.80E+01	1.09E+02	1.27E+02	1.39E+02	2.13E+02	1.62E+02
9.40E+01	1.03E+02	1.15E+02	1.34E+02	1.43E+02	2.25E+02	2.12E+02
9.80E+01	1.07E+02	1.20E+02	1.39E+02	1.46E+02	2.35E+02	2.41E+02
1.02E+02	1.12E+02	1.25E+02	1.44E+02	1.49E+02	2.48E+02	2.42E+02
1.04E+02	1.14E+02	1.28E+02	1.49E+02	1.64E+02	2.55E+02	2.00E+02
1.08E+02	1.20E+02	1.36E+02	1.62E+02	1.92E+02	2.66E+02	1.79E+02
1.11E+02	1.24E+02	1.41E+02	1.70E+02	2.03E+02	2.71E+02	1.72E+02
1.15E+02	1.29E+02	1.48E+02	1.80E+02	2.26E+02	2.85E+02	1.66E+02
1.18E+02	1.32E+02	1.52E+02	1.85E+02	2.26E+02	2.83E+02	1.80E+02
1.23E+02	1.37E+02	1.56E+02	1.85E+02	2.12E+02	2.75E+02	1.95E+02
1.27E+02	1.41E+02	1.58E+02	1.85E+02	2.02E+02	2.65E+02	1.92E+02
1.29E+02	1.42E+02	1.59E+02	1.84E+02	1.97E+02	2.54E+02	1.91E+02
1.30E+02	1.43E+02	1.58E+02	1.82E+02	1.92E+02	2.45E+02	1.91E+02
1.31E+02	1.43E+02	1.58E+02	1.80E+02	1.89E+02	2.37E+02	1.90E+02
1.34E+02	1.47E+02	1.62E+02	1.84E+02	1.91E+02	2.36E+02	1.94E+02
1.37E+02	1.49E+02	1.65E+02	1.88E+02	1.93E+02	2.37E+02	1.99E+02
1.39E+02	1.53E+02	1.68E+02	1.91E+02	1.96E+02	2.36E+02	2.00E+02
1.40E+02	1.54E+02	1.70E+02	1.93E+02	1.97E+02	2.38E+02	2.06E+02
1.41E+02	1.54E+02	1.70E+02	1.93E+02	1.96E+02	2.38E+02	2.10E+02
1.39E+02	1.52E+02	1.67E+02	1.88E+02	1.94E+02	2.32E+02	2.08E+02
1.38E+02	1.50E+02	1.66E+02	1.87E+02	1.94E+02	2.31E+02	2.08E+02
1.39E+02	1.51E+02	1.67E+02	1.89E+02	1.94E+02	2.29E+02	2.03E+02
1.40E+02	1.52E+02	1.68E+02	1.89E+02	1.93E+02	2.30E+02	2.03E+02
1.42E+02	1.54E+02	1.70E+02	1.90E+02	1.92E+02	2.30E+02	2.03E+02
1.42E+02	1.54E+02	1.71E+02	1.92E+02	1.95E+02	2.32E+02	2.07E+02
1.42E+02	1.56E+02	1.72E+02	1.93E+02	1.96E+02	2.34E+02	2.08E+02
1.44E+02	1.58E+02	1.75E+02	1.96E+02	1.98E+02	2.38E+02	2.11E+02
1.47E+02	1.61E+02	1.79E+02	1.99E+02	2.01E+02	2.42E+02	2.12E+02
1.50E+02	1.65E+02	1.82E+02	2.01E+02	2.05E+02	2.40E+02	2.11E+02
1.51E+02	1.66E+02	1.84E+02	2.04E+02	2.07E+02	2.44E+02	2.17E+02
1.52E+02	1.67E+02	1.85E+02	2.05E+02	2.07E+02	2.42E+02	2.18E+02
1.54E+02	1.69E+02	1.87E+02	2.06E+02	2.07E+02	2.42E+02	2.22E+02
1.57E+02	1.73E+02	1.92E+02	2.10E+02	2.10E+02	2.50E+02	2.24E+02
1.61E+02	1.76E+02	1.97E+02	2.13E+02	2.13E+02	2.56E+02	2.23E+02

1.63E+02	1.79E+02	2.00E+02	2.14E+02	2.15E+02	2.59E+02	2.24E+02
1.65E+02	1.80E+02	2.01E+02	2.16E+02	2.16E+02	2.62E+02	2.26E+02
1.67E+02	1.82E+02	2.04E+02	2.18E+02	2.19E+02	2.65E+02	2.27E+02
1.69E+02	1.84E+02	2.06E+02	2.21E+02	2.21E+02	2.68E+02	2.29E+02
1.70E+02	1.86E+02	2.08E+02	2.23E+02	2.22E+02	2.71E+02	2.31E+02
1.72E+02	1.88E+02	2.09E+02	2.24E+02	2.23E+02	2.73E+02	2.33E+02
1.74E+02	1.90E+02	2.12E+02	2.26E+02	2.25E+02	2.76E+02	2.37E+02
1.76E+02	1.91E+02	2.13E+02	2.27E+02	2.27E+02	2.77E+02	2.41E+02
1.78E+02	1.93E+02	2.16E+02	2.29E+02	2.28E+02	2.78E+02	2.43E+02
1.80E+02	1.96E+02	2.20E+02	2.32E+02	2.30E+02	2.81E+02	2.47E+02
1.82E+02	1.98E+02	2.22E+02	2.34E+02	2.32E+02	2.85E+02	2.47E+02
1.83E+02	1.99E+02	2.22E+02	2.34E+02	2.33E+02	2.86E+02	2.51E+02
121.56	133.18	148.24	165.61	173.49	221.44	178.44
250.81	271.73	298.83	330.10	344.27	430.58	353.19

W TEMP +10 tmp C	W TEMP +15 tmp C	W TEMP +20 tmp C	W TEMP +25 tmp C	W TEMP +30 tmp C	W TEMP +35 tmp C	W TEMP +40 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.57E+01	2.43E+01	2.35E+01	2.30E+01	2.23E+01	2.18E+01	2.15E+01
4.39E+01	3.72E+01	3.24E+01	2.95E+01	2.72E+01	2.58E+01	2.52E+01
5.68E+01	4.72E+01	3.98E+01	3.51E+01	3.19E+01	3.01E+01	2.94E+01
5.56E+01	4.80E+01	4.27E+01	3.88E+01	3.55E+01	3.36E+01	3.28E+01
5.86E+01	5.01E+01	4.60E+01	4.24E+01	3.95E+01	3.76E+01	3.67E+01
6.24E+01	5.38E+01	4.94E+01	4.62E+01	4.34E+01	4.16E+01	4.06E+01
6.89E+01	5.87E+01	5.34E+01	5.02E+01	4.76E+01	4.57E+01	4.47E+01
7.39E+01	6.24E+01	5.70E+01	5.40E+01	5.15E+01	4.95E+01	4.84E+01
8.03E+01	6.62E+01	6.01E+01	5.68E+01	5.46E+01	5.26E+01	5.15E+01
8.71E+01	6.93E+01	6.36E+01	6.02E+01	5.79E+01	5.58E+01	5.46E+01
9.61E+01	7.46E+01	6.88E+01	6.48E+01	6.19E+01	5.95E+01	5.82E+01
1.00E+02	8.65E+01	7.45E+01	7.00E+01	6.70E+01	6.45E+01	6.31E+01
9.70E+01	9.95E+01	7.98E+01	7.48E+01	7.20E+01	6.95E+01	6.79E+01
9.41E+01	1.09E+02	8.68E+01	7.98E+01	7.71E+01	7.48E+01	7.30E+01
9.57E+01	1.20E+02	9.44E+01	8.51E+01	8.21E+01	7.97E+01	7.77E+01
9.84E+01	1.33E+02	1.02E+02	9.08E+01	8.72E+01	8.46E+01	8.24E+01
1.03E+02	1.48E+02	1.08E+02	9.64E+01	9.27E+01	8.95E+01	8.68E+01
1.20E+02	1.41E+02	1.08E+02	9.85E+01	9.42E+01	9.09E+01	8.84E+01
1.44E+02	1.35E+02	1.12E+02	1.02E+02	9.74E+01	9.36E+01	9.11E+01
1.69E+02	1.33E+02	1.18E+02	1.07E+02	1.02E+02	9.77E+01	9.48E+01
1.86E+02	1.35E+02	1.23E+02	1.11E+02	1.06E+02	1.01E+02	9.79E+01
1.92E+02	1.53E+02	1.32E+02	1.18E+02	1.12E+02	1.07E+02	1.03E+02
1.90E+02	1.88E+02	1.61E+02	1.37E+02	1.29E+02	1.22E+02	1.17E+02
2.11E+02	2.17E+02	1.97E+02	1.58E+02	1.50E+02	1.40E+02	1.35E+02
2.40E+02	2.67E+02	2.19E+02	1.78E+02	1.68E+02	1.58E+02	1.52E+02
2.35E+02	2.95E+02	2.33E+02	1.91E+02	1.81E+02	1.72E+02	1.66E+02
2.53E+02	3.08E+02	2.50E+02	2.08E+02	1.98E+02	1.89E+02	1.83E+02
2.90E+02	3.10E+02	2.76E+02	2.34E+02	2.24E+02	2.14E+02	2.08E+02
3.00E+02	2.97E+02	2.97E+02	2.47E+02	2.36E+02	2.26E+02	2.21E+02
2.93E+02	2.92E+02	3.18E+02	2.65E+02	2.56E+02	2.44E+02	2.38E+02
2.86E+02	3.07E+02	3.03E+02	2.77E+02	2.65E+02	2.46E+02	2.38E+02
2.74E+02	3.00E+02	2.71E+02	2.41E+02	2.35E+02	2.25E+02	2.19E+02
2.62E+02	2.92E+02	2.48E+02	2.22E+02	2.18E+02	2.10E+02	2.05E+02
2.64E+02	2.98E+02	2.32E+02	2.14E+02	2.11E+02	2.02E+02	1.96E+02
2.63E+02	2.84E+02	2.31E+02	2.13E+02	2.09E+02	1.99E+02	1.93E+02
2.61E+02	2.75E+02	2.26E+02	2.09E+02	2.05E+02	1.96E+02	1.90E+02
2.73E+02	2.67E+02	2.28E+02	2.09E+02	2.04E+02	1.95E+02	1.89E+02
2.84E+02	2.96E+02	2.24E+02	2.11E+02	2.06E+02	1.97E+02	1.90E+02
2.86E+02	3.06E+02	2.24E+02	2.13E+02	2.08E+02	1.97E+02	1.90E+02
2.96E+02	3.17E+02	2.26E+02	2.13E+02	2.09E+02	1.98E+02	1.92E+02
3.05E+02	3.16E+02	2.33E+02	2.17E+02	2.12E+02	2.00E+02	1.93E+02
3.11E+02	3.09E+02	2.50E+02	2.23E+02	2.16E+02	2.04E+02	1.96E+02
3.20E+02	3.34E+02	2.51E+02	2.29E+02	2.20E+02	2.07E+02	1.99E+02
3.21E+02	3.29E+02	2.68E+02	2.44E+02	2.30E+02	2.14E+02	2.05E+02
3.30E+02	3.18E+02	2.78E+02	2.48E+02	2.30E+02	2.15E+02	2.06E+02
3.51E+02	3.13E+02	2.80E+02	2.44E+02	2.30E+02	2.16E+02	2.07E+02
3.69E+02	3.14E+02	2.89E+02	2.45E+02	2.32E+02	2.19E+02	2.11E+02

3.76E+02	3.17E+02	3.10E+02	2.53E+02	2.35E+02	2.22E+02	2.13E+02
3.86E+02	3.27E+02	3.11E+02	2.56E+02	2.39E+02	2.25E+02	2.16E+02
3.95E+02	3.35E+02	3.13E+02	2.58E+02	2.40E+02	2.27E+02	2.17E+02
3.97E+02	3.38E+02	3.26E+02	2.62E+02	2.43E+02	2.30E+02	2.20E+02
3.95E+02	3.41E+02	3.35E+02	2.65E+02	2.49E+02	2.34E+02	2.23E+02
3.92E+02	3.42E+02	3.42E+02	2.66E+02	2.50E+02	2.37E+02	2.26E+02
4.02E+02	3.48E+02	3.39E+02	2.66E+02	2.48E+02	2.37E+02	2.27E+02
4.00E+02	3.50E+02	3.46E+02	2.69E+02	2.49E+02	2.38E+02	2.29E+02
3.99E+02	3.55E+02	3.50E+02	2.72E+02	2.51E+02	2.40E+02	2.31E+02
4.07E+02	3.58E+02	3.47E+02	2.73E+02	2.54E+02	2.43E+02	2.33E+02
4.21E+02	3.72E+02	3.49E+02	2.76E+02	2.59E+02	2.47E+02	2.36E+02
4.23E+02	3.82E+02	3.40E+02	2.76E+02	2.62E+02	2.49E+02	2.37E+02
233.15	225.29	198.60	170.59	162.38	154.38	148.96
451.67	437.53	389.47	339.06	324.29	309.88	300.12

F TEMP -40 tmp C	F TEMP -35 tmp C	F TEMP -30 tmp C	F TEMP -25 tmp C	F TEMP -20 tmp C	F TEMP -15 tmp C	F TEMP -10 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.02E+01	2.00E+01	2.00E+01	2.01E+01	2.14E+01	2.02E+01	2.10E+01
2.08E+01	2.02E+01	2.02E+01	2.05E+01	2.48E+01	2.06E+01	2.19E+01
2.12E+01	2.03E+01	2.03E+01	2.07E+01	2.57E+01	2.09E+01	2.25E+01
2.13E+01	2.04E+01	2.04E+01	2.08E+01	2.62E+01	2.11E+01	2.32E+01
2.14E+01	2.05E+01	2.05E+01	2.09E+01	2.60E+01	2.12E+01	2.37E+01
2.16E+01	2.08E+01	2.08E+01	2.11E+01	2.55E+01	2.14E+01	2.39E+01
2.19E+01	2.11E+01	2.10E+01	2.13E+01	2.52E+01	2.16E+01	2.39E+01
2.21E+01	2.14E+01	2.13E+01	2.16E+01	2.51E+01	2.19E+01	2.39E+01
2.23E+01	2.16E+01	2.15E+01	2.17E+01	2.50E+01	2.20E+01	2.39E+01
2.25E+01	2.18E+01	2.18E+01	2.19E+01	2.51E+01	2.22E+01	2.39E+01
2.26E+01	2.20E+01	2.19E+01	2.21E+01	2.51E+01	2.24E+01	2.40E+01
2.28E+01	2.22E+01	2.21E+01	2.23E+01	2.52E+01	2.26E+01	2.41E+01
2.32E+01	2.26E+01	2.24E+01	2.26E+01	2.53E+01	2.30E+01	2.43E+01
2.34E+01	2.28E+01	2.27E+01	2.29E+01	2.55E+01	2.33E+01	2.45E+01
2.36E+01	2.31E+01	2.30E+01	2.32E+01	2.57E+01	2.36E+01	2.48E+01
2.38E+01	2.33E+01	2.32E+01	2.34E+01	2.59E+01	2.39E+01	2.50E+01
2.40E+01	2.35E+01	2.34E+01	2.36E+01	2.60E+01	2.41E+01	2.52E+01
2.41E+01	2.36E+01	2.35E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01
2.42E+01	2.37E+01	2.35E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01
2.43E+01	2.38E+01	2.36E+01	2.37E+01	2.60E+01	2.41E+01	2.52E+01
2.43E+01	2.39E+01	2.37E+01	2.38E+01	2.61E+01	2.42E+01	2.53E+01
2.45E+01	2.40E+01	2.38E+01	2.39E+01	2.61E+01	2.43E+01	2.54E+01
2.47E+01	2.42E+01	2.41E+01	2.43E+01	2.65E+01	2.47E+01	2.57E+01
2.49E+01	2.45E+01	2.43E+01	2.45E+01	2.67E+01	2.51E+01	2.60E+01
2.50E+01	2.47E+01	2.45E+01	2.47E+01	2.69E+01	2.53E+01	2.62E+01
2.52E+01	2.48E+01	2.47E+01	2.49E+01	2.71E+01	2.55E+01	2.64E+01
2.53E+01	2.50E+01	2.48E+01	2.51E+01	2.72E+01	2.57E+01	2.65E+01
2.55E+01	2.52E+01	2.50E+01	2.53E+01	2.74E+01	2.59E+01	2.68E+01
2.56E+01	2.53E+01	2.52E+01	2.55E+01	2.76E+01	2.62E+01	2.70E+01
2.58E+01	2.56E+01	2.54E+01	2.58E+01	2.79E+01	2.65E+01	2.73E+01
2.60E+01	2.57E+01	2.56E+01	2.60E+01	2.81E+01	2.68E+01	2.75E+01
2.61E+01	2.59E+01	2.57E+01	2.61E+01	2.83E+01	2.70E+01	2.77E+01
2.62E+01	2.59E+01	2.58E+01	2.62E+01	2.83E+01	2.71E+01	2.78E+01
2.62E+01	2.59E+01	2.58E+01	2.63E+01	2.84E+01	2.72E+01	2.78E+01
2.62E+01	2.60E+01	2.58E+01	2.63E+01	2.84E+01	2.72E+01	2.79E+01
2.62E+01	2.60E+01	2.58E+01	2.64E+01	2.85E+01	2.73E+01	2.80E+01
2.63E+01	2.61E+01	2.59E+01	2.65E+01	2.86E+01	2.74E+01	2.81E+01
2.64E+01	2.62E+01	2.60E+01	2.66E+01	2.87E+01	2.76E+01	2.82E+01
2.64E+01	2.63E+01	2.61E+01	2.67E+01	2.89E+01	2.77E+01	2.84E+01
2.65E+01	2.64E+01	2.62E+01	2.68E+01	2.90E+01	2.79E+01	2.85E+01
2.67E+01	2.65E+01	2.63E+01	2.70E+01	2.92E+01	2.81E+01	2.87E+01
2.68E+01	2.66E+01	2.64E+01	2.71E+01	2.93E+01	2.83E+01	2.89E+01
2.69E+01	2.67E+01	2.65E+01	2.72E+01	2.95E+01	2.85E+01	2.91E+01
2.70E+01	2.68E+01	2.66E+01	2.74E+01	2.97E+01	2.86E+01	2.92E+01
2.71E+01	2.69E+01	2.67E+01	2.75E+01	2.98E+01	2.88E+01	2.94E+01
2.72E+01	2.70E+01	2.68E+01	2.76E+01	3.00E+01	2.89E+01	2.95E+01
2.74E+01	2.73E+01	2.70E+01	2.78E+01	3.03E+01	2.92E+01	2.98E+01

2.76E+01	2.75E+01	2.73E+01	2.81E+01	3.06E+01	2.96E+01	3.02E+01
2.78E+01	2.77E+01	2.75E+01	2.83E+01	3.08E+01	2.98E+01	3.03E+01
2.80E+01	2.79E+01	2.76E+01	2.85E+01	3.10E+01	3.00E+01	3.06E+01
2.81E+01	2.80E+01	2.78E+01	2.87E+01	3.12E+01	3.03E+01	3.08E+01
2.83E+01	2.82E+01	2.79E+01	2.88E+01	3.14E+01	3.05E+01	3.10E+01
2.84E+01	2.83E+01	2.80E+01	2.90E+01	3.16E+01	3.06E+01	3.12E+01
2.85E+01	2.84E+01	2.82E+01	2.91E+01	3.17E+01	3.08E+01	3.13E+01
2.86E+01	2.85E+01	2.83E+01	2.92E+01	3.19E+01	3.09E+01	3.15E+01
2.88E+01	2.87E+01	2.84E+01	2.94E+01	3.21E+01	3.11E+01	3.17E+01
2.89E+01	2.88E+01	2.86E+01	2.96E+01	3.23E+01	3.13E+01	3.19E+01
2.91E+01	2.90E+01	2.88E+01	2.98E+01	3.25E+01	3.16E+01	3.21E+01
2.92E+01	2.91E+01	2.89E+01	2.99E+01	3.26E+01	3.17E+01	3.22E+01
25.25	24.90	24.75	25.22	27.81	26.06	27.02
77.45	76.83	76.55	77.40	82.07	78.91	80.64

F TEMP -5 tmp C	F TEMP 0 tmp C	F TEMP +5 tmp C	F TEMP +10 tmp C	F TEMP +15 tmp C	F TEMP +20 tmp C	F TEMP +25 tmp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
3.68E+01	1.59E+02	3.82E+01	2.07E+01	2.02E+01	2.09E+01	2.01E+01
4.97E+01	6.00E+01	4.21E+01	2.17E+01	2.08E+01	2.37E+01	2.03E+01
5.34E+01	6.88E+01	4.98E+01	2.25E+01	2.13E+01	2.56E+01	2.06E+01
6.08E+01	1.65E+02	6.43E+01	2.26E+01	2.13E+01	2.52E+01	2.06E+01
6.82E+01	2.39E+02	8.59E+01	2.30E+01	2.13E+01	2.49E+01	2.06E+01
7.51E+01	3.21E+02	1.47E+02	2.38E+01	2.14E+01	2.48E+01	2.07E+01
7.86E+01	3.24E+02	1.56E+02	2.39E+01	2.15E+01	2.46E+01	2.08E+01
8.09E+01	3.39E+02	2.15E+02	2.40E+01	2.17E+01	2.44E+01	2.10E+01
8.13E+01	3.05E+02	1.71E+02	2.39E+01	2.19E+01	2.42E+01	2.12E+01
8.08E+01	2.66E+02	1.53E+02	2.38E+01	2.21E+01	2.42E+01	2.14E+01
8.02E+01	2.31E+02	1.46E+02	2.39E+01	2.23E+01	2.42E+01	2.15E+01
8.21E+01	2.45E+02	1.60E+02	2.41E+01	2.25E+01	2.42E+01	2.17E+01
8.37E+01	2.68E+02	2.24E+02	2.47E+01	2.27E+01	2.42E+01	2.19E+01
8.44E+01	2.78E+02	3.82E+02	2.63E+01	2.29E+01	2.43E+01	2.21E+01
8.41E+01	2.49E+02	3.91E+02	2.77E+01	2.32E+01	2.44E+01	2.24E+01
8.39E+01	2.29E+02	4.14E+02	2.86E+01	2.35E+01	2.45E+01	2.26E+01
8.43E+01	2.15E+02	4.27E+02	2.88E+01	2.37E+01	2.46E+01	2.28E+01
8.41E+01	2.17E+02	3.27E+02	2.77E+01	2.38E+01	2.47E+01	2.29E+01
8.28E+01	1.92E+02	2.77E+02	2.73E+01	2.40E+01	2.47E+01	2.30E+01
8.26E+01	1.80E+02	2.51E+02	2.70E+01	2.41E+01	2.48E+01	2.32E+01
8.14E+01	1.58E+02	2.34E+02	2.69E+01	2.43E+01	2.49E+01	2.33E+01
8.15E+01	1.48E+02	2.64E+02	2.75E+01	2.45E+01	2.50E+01	2.35E+01
8.07E+01	1.37E+02	2.93E+02	4.03E+01	2.47E+01	2.51E+01	2.36E+01
7.94E+01	1.19E+02	2.92E+02	7.70E+01	2.51E+01	2.53E+01	2.39E+01
7.84E+01	9.39E+01	2.87E+02	1.07E+02	2.57E+01	2.55E+01	2.41E+01
7.73E+01	7.31E+01	2.80E+02	8.97E+01	2.58E+01	2.57E+01	2.44E+01
7.66E+01	6.29E+01	2.74E+02	1.11E+02	2.63E+01	2.60E+01	2.48E+01
7.64E+01	6.23E+01	2.77E+02	1.82E+02	2.75E+01	2.65E+01	2.53E+01
7.60E+01	6.06E+01	2.77E+02	1.91E+02	3.18E+01	2.71E+01	2.59E+01
7.53E+01	5.70E+01	2.75E+02	1.87E+02	5.75E+01	2.77E+01	2.66E+01
7.40E+01	5.25E+01	2.66E+02	1.82E+02	9.88E+01	2.92E+01	2.74E+01
7.27E+01	4.90E+01	2.53E+02	1.76E+02	1.08E+02	4.03E+01	3.04E+01
7.18E+01	4.82E+01	2.40E+02	1.67E+02	1.09E+02	5.99E+01	3.72E+01
7.20E+01	5.08E+01	2.47E+02	1.76E+02	9.60E+01	4.66E+01	3.37E+01
7.23E+01	5.24E+01	2.53E+02	1.84E+02	9.42E+01	4.33E+01	3.27E+01
7.25E+01	5.37E+01	2.55E+02	1.91E+02	1.12E+02	4.69E+01	4.03E+01
7.28E+01	5.49E+01	2.56E+02	1.95E+02	1.11E+02	4.59E+01	3.90E+01
7.33E+01	5.40E+01	2.62E+02	2.05E+02	1.01E+02	4.38E+01	3.75E+01
7.38E+01	5.67E+01	2.69E+02	2.16E+02	1.09E+02	4.97E+01	3.83E+01
7.45E+01	5.82E+01	2.80E+02	2.30E+02	1.68E+02	4.88E+01	3.75E+01
7.55E+01	6.01E+01	2.88E+02	2.43E+02	1.76E+02	5.09E+01	3.78E+01
7.61E+01	6.30E+01	2.95E+02	2.52E+02	1.74E+02	4.85E+01	3.79E+01
7.70E+01	7.46E+01	3.07E+02	2.71E+02	1.54E+02	4.65E+01	3.73E+01
7.76E+01	6.84E+01	3.09E+02	2.78E+02	1.29E+02	4.42E+01	3.62E+01
7.83E+01	6.45E+01	3.07E+02	2.74E+02	1.23E+02	4.42E+01	3.69E+01
7.97E+01	7.67E+01	3.17E+02	2.83E+02	1.22E+02	4.63E+01	3.96E+01
8.05E+01	9.75E+01	3.27E+02	2.96E+02	1.14E+02	4.46E+01	3.83E+01

8.11E+01	1.04E+02	3.33E+02	2.95E+02	1.07E+02	4.29E+01	3.70E+01
8.18E+01	1.01E+02	3.33E+02	3.01E+02	1.04E+02	4.20E+01	3.63E+01
8.25E+01	1.13E+02	3.40E+02	3.08E+02	9.78E+01	4.13E+01	3.59E+01
8.32E+01	1.29E+02	3.48E+02	2.75E+02	9.41E+01	4.08E+01	3.57E+01
8.36E+01	1.22E+02	3.50E+02	2.64E+02	9.09E+01	4.04E+01	3.55E+01
8.43E+01	1.27E+02	3.53E+02	2.67E+02	8.81E+01	4.01E+01	3.53E+01
8.52E+01	1.44E+02	3.59E+02	2.72E+02	8.58E+01	3.99E+01	3.52E+01
8.58E+01	1.46E+02	3.61E+02	2.57E+02	8.39E+01	3.97E+01	3.52E+01
8.62E+01	1.49E+02	3.65E+02	2.53E+02	8.20E+01	3.95E+01	3.51E+01
8.67E+01	1.57E+02	3.69E+02	2.51E+02	8.04E+01	3.93E+01	3.51E+01
8.74E+01	1.56E+02	3.72E+02	2.37E+02	7.90E+01	3.92E+01	3.51E+01
8.83E+01	1.68E+02	3.78E+02	2.16E+02	7.76E+01	3.91E+01	3.51E+01
76.52	136.58	264.74	142.85	65.48	33.82	29.02
169.73	277.85	508.54	289.12	149.86	92.88	84.23

F TEMP +30 tmp C	F TEMP +35 tmp C	F TEMP +40 tmp C	T TEMP -40 temp C	T TEMP -35 temp C	T TEMP -30 temp C	T TEMP -25 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.00E+01	2.00E+01	2.12E+01	4.51E+01	5.07E+01	5.82E+01	6.79E+01
2.02E+01	2.02E+01	2.44E+01	1.29E+02	1.39E+02	1.48E+02	1.59E+02
2.04E+01	2.04E+01	2.63E+01	1.63E+02	1.75E+02	1.90E+02	2.10E+02
2.04E+01	2.04E+01	2.69E+01	1.83E+02	1.96E+02	2.10E+02	2.29E+02
2.05E+01	2.05E+01	2.70E+01	1.92E+02	2.07E+02	2.20E+02	2.36E+02
2.06E+01	2.06E+01	2.70E+01	2.08E+02	2.23E+02	2.35E+02	2.48E+02
2.07E+01	2.08E+01	2.69E+01	2.11E+02	2.26E+02	2.38E+02	2.52E+02
2.09E+01	2.11E+01	2.67E+01	2.16E+02	2.34E+02	2.48E+02	2.65E+02
2.12E+01	2.13E+01	2.65E+01	2.18E+02	2.36E+02	2.50E+02	2.71E+02
2.13E+01	2.15E+01	2.63E+01	2.24E+02	2.47E+02	2.66E+02	2.94E+02
2.15E+01	2.16E+01	2.62E+01	2.29E+02	2.55E+02	2.77E+02	3.08E+02
2.17E+01	2.18E+01	2.62E+01	2.33E+02	2.58E+02	2.77E+02	3.02E+02
2.19E+01	2.21E+01	2.62E+01	2.38E+02	2.61E+02	2.76E+02	2.96E+02
2.21E+01	2.24E+01	2.63E+01	2.45E+02	2.68E+02	2.84E+02	3.05E+02
2.24E+01	2.26E+01	2.63E+01	2.51E+02	2.73E+02	2.89E+02	3.10E+02
2.26E+01	2.29E+01	2.64E+01	2.53E+02	2.74E+02	2.90E+02	3.10E+02
2.28E+01	2.31E+01	2.64E+01	2.58E+02	2.79E+02	2.96E+02	3.16E+02
2.29E+01	2.32E+01	2.64E+01	2.59E+02	2.84E+02	3.06E+02	3.37E+02
2.30E+01	2.33E+01	2.63E+01	2.63E+02	2.96E+02	3.24E+02	3.64E+02
2.32E+01	2.34E+01	2.63E+01	2.62E+02	2.93E+02	3.20E+02	3.59E+02
2.33E+01	2.36E+01	2.64E+01	2.68E+02	3.03E+02	3.34E+02	3.79E+02
2.35E+01	2.37E+01	2.64E+01	2.64E+02	2.97E+02	3.23E+02	3.58E+02
2.36E+01	2.39E+01	2.65E+01	2.63E+02	2.89E+02	3.12E+02	3.43E+02
2.39E+01	2.42E+01	2.67E+01	2.64E+02	2.88E+02	3.10E+02	3.41E+02
2.42E+01	2.45E+01	2.69E+01	2.62E+02	2.84E+02	3.07E+02	3.36E+02
2.45E+01	2.48E+01	2.72E+01	2.59E+02	2.81E+02	3.03E+02	3.32E+02
2.48E+01	2.53E+01	2.76E+01	2.53E+02	2.74E+02	2.96E+02	3.25E+02
2.54E+01	2.59E+01	2.82E+01	2.61E+02	2.84E+02	3.06E+02	3.35E+02
2.60E+01	2.66E+01	2.88E+01	2.60E+02	2.83E+02	3.05E+02	3.35E+02
2.66E+01	2.72E+01	2.95E+01	2.56E+02	2.80E+02	3.02E+02	3.31E+02
2.75E+01	2.80E+01	3.01E+01	2.44E+02	2.70E+02	2.91E+02	3.21E+02
2.95E+01	3.01E+01	3.18E+01	2.37E+02	2.63E+02	2.84E+02	3.17E+02
3.22E+01	3.26E+01	3.40E+01	2.28E+02	2.56E+02	2.74E+02	3.03E+02
3.13E+01	3.17E+01	3.31E+01	2.18E+02	2.45E+02	2.64E+02	2.92E+02
3.18E+01	3.11E+01	3.24E+01	2.28E+02	2.54E+02	2.72E+02	2.99E+02
3.60E+01	3.30E+01	3.73E+01	2.34E+02	2.58E+02	2.78E+02	3.06E+02
3.57E+01	3.41E+01	3.72E+01	2.39E+02	2.65E+02	2.84E+02	3.13E+02
3.50E+01	3.40E+01	3.65E+01	2.30E+02	2.56E+02	2.75E+02	3.00E+02
3.47E+01	3.31E+01	3.53E+01	2.32E+02	2.58E+02	2.76E+02	3.01E+02
3.44E+01	3.29E+01	3.47E+01	2.38E+02	2.63E+02	2.82E+02	3.07E+02
3.39E+01	3.25E+01	3.42E+01	2.46E+02	2.71E+02	2.90E+02	3.16E+02
3.55E+01	3.40E+01	3.62E+01	2.54E+02	2.79E+02	2.98E+02	3.25E+02
3.50E+01	3.36E+01	3.53E+01	2.46E+02	2.72E+02	2.91E+02	3.18E+02
3.41E+01	3.30E+01	3.47E+01	2.47E+02	2.72E+02	2.91E+02	3.14E+02
3.57E+01	3.74E+01	3.83E+01	2.56E+02	2.81E+02	3.00E+02	3.25E+02
3.64E+01	3.64E+01	3.74E+01	2.66E+02	2.90E+02	3.11E+02	3.35E+02
3.53E+01	3.52E+01	3.63E+01	2.68E+02	2.93E+02	3.13E+02	3.37E+02

3.46E+01	3.46E+01	3.57E+01	2.68E+02	2.93E+02	3.13E+02	3.36E+02
3.42E+01	3.42E+01	3.53E+01	2.73E+02	2.97E+02	3.16E+02	3.40E+02
3.41E+01	3.41E+01	3.52E+01	2.73E+02	2.97E+02	3.17E+02	3.40E+02
3.39E+01	3.39E+01	3.50E+01	2.71E+02	2.97E+02	3.16E+02	3.39E+02
3.38E+01	3.38E+01	3.49E+01	2.69E+02	2.95E+02	3.14E+02	3.37E+02
3.37E+01	3.38E+01	3.48E+01	2.72E+02	2.98E+02	3.18E+02	3.42E+02
3.37E+01	3.38E+01	3.49E+01	2.78E+02	3.04E+02	3.24E+02	3.47E+02
3.37E+01	3.38E+01	3.49E+01	2.77E+02	3.03E+02	3.22E+02	3.45E+02
3.37E+01	3.39E+01	3.48E+01	2.79E+02	3.05E+02	3.25E+02	3.49E+02
3.37E+01	3.39E+01	3.49E+01	2.82E+02	3.08E+02	3.28E+02	3.53E+02
3.38E+01	3.40E+01	3.49E+01	2.83E+02	3.09E+02	3.29E+02	3.53E+02
3.39E+01	3.41E+01	3.50E+01	2.86E+02	3.11E+02	3.32E+02	3.56E+02
27.95	27.90	30.53	238.86	262.04	280.83	305.69
82.31	82.22	86.95	461.95	503.68	537.49	582.24

T TEMP -20 temp C	T TEMP -15 temp C	T TEMP -10 temp C	T TEMP -5 temp C	T TEMP 0 temp C	T TEMP +5 temp C	T TEMP +10 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
7.63E+01	7.84E+01	8.72E+01	1.18E+02	4.11E+02	6.89E+01	6.90E+01
1.66E+02	1.88E+02	2.04E+02	2.48E+02	4.16E+02	2.89E+02	2.71E+02
2.17E+02	2.39E+02	2.54E+02	2.60E+02	4.81E+02	2.50E+02	2.76E+02
2.33E+02	2.63E+02	2.86E+02	2.81E+02	6.06E+02	1.93E+02	2.24E+02
2.46E+02	2.74E+02	3.02E+02	3.21E+02	7.16E+02	2.31E+02	2.42E+02
2.55E+02	2.81E+02	3.14E+02	3.48E+02	7.89E+02	3.07E+02	2.41E+02
2.56E+02	2.87E+02	3.18E+02	3.60E+02	7.63E+02	3.45E+02	2.64E+02
2.72E+02	3.10E+02	3.49E+02	4.00E+02	7.78E+02	3.70E+02	2.70E+02
2.89E+02	3.31E+02	3.82E+02	4.42E+02	6.99E+02	3.05E+02	2.86E+02
3.16E+02	3.67E+02	4.30E+02	4.90E+02	6.45E+02	3.25E+02	2.88E+02
3.32E+02	3.91E+02	4.58E+02	5.20E+02	6.44E+02	4.16E+02	3.17E+02
3.18E+02	3.66E+02	4.18E+02	4.71E+02	7.26E+02	5.66E+02	3.40E+02
3.06E+02	3.55E+02	4.06E+02	4.67E+02	7.57E+02	6.76E+02	3.64E+02
3.13E+02	3.58E+02	4.06E+02	4.62E+02	7.84E+02	7.70E+02	4.01E+02
3.19E+02	3.61E+02	4.09E+02	4.83E+02	7.48E+02	7.11E+02	4.63E+02
3.21E+02	3.64E+02	4.09E+02	4.93E+02	7.47E+02	7.40E+02	4.85E+02
3.27E+02	3.71E+02	4.19E+02	4.83E+02	7.38E+02	7.46E+02	4.43E+02
3.58E+02	4.24E+02	4.95E+02	6.18E+02	6.59E+02	5.88E+02	3.99E+02
3.91E+02	4.64E+02	5.54E+02	7.25E+02	6.27E+02	6.25E+02	4.34E+02
3.84E+02	4.60E+02	5.47E+02	6.34E+02	6.21E+02	6.89E+02	4.57E+02
4.12E+02	4.98E+02	6.29E+02	7.08E+02	5.72E+02	7.20E+02	5.18E+02
3.77E+02	4.51E+02	5.35E+02	6.23E+02	6.36E+02	7.60E+02	5.61E+02
3.59E+02	4.27E+02	4.62E+02	5.10E+02	4.92E+02	5.69E+02	7.24E+02
3.51E+02	4.08E+02	4.43E+02	4.66E+02	4.40E+02	5.23E+02	6.30E+02
3.41E+02	3.96E+02	4.27E+02	4.56E+02	3.96E+02	5.06E+02	5.22E+02
3.32E+02	3.87E+02	4.14E+02	4.35E+02	3.97E+02	6.31E+02	4.94E+02
3.26E+02	3.81E+02	4.07E+02	4.28E+02	3.70E+02	6.22E+02	4.84E+02
3.41E+02	3.89E+02	4.15E+02	4.56E+02	3.79E+02	5.45E+02	5.19E+02
3.41E+02	3.93E+02	4.19E+02	4.59E+02	3.67E+02	5.12E+02	6.06E+02
3.39E+02	3.88E+02	4.12E+02	4.53E+02	3.07E+02	4.75E+02	6.19E+02
3.30E+02	3.86E+02	4.09E+02	4.36E+02	2.71E+02	4.77E+02	5.67E+02
3.23E+02	3.78E+02	3.95E+02	4.22E+02	2.66E+02	4.58E+02	5.39E+02
3.03E+02	3.63E+02	3.85E+02	3.99E+02	3.03E+02	4.46E+02	4.97E+02
2.98E+02	3.58E+02	3.72E+02	4.07E+02	2.92E+02	4.31E+02	5.48E+02
3.05E+02	3.60E+02	3.75E+02	4.06E+02	2.92E+02	4.20E+02	6.33E+02
3.08E+02	3.56E+02	3.75E+02	3.96E+02	3.11E+02	4.41E+02	6.32E+02
3.11E+02	3.57E+02	3.75E+02	3.92E+02	3.47E+02	4.31E+02	6.05E+02
3.03E+02	3.57E+02	3.73E+02	4.07E+02	2.86E+02	4.31E+02	6.14E+02
3.07E+02	3.56E+02	3.77E+02	4.06E+02	3.18E+02	4.41E+02	6.43E+02
3.14E+02	3.59E+02	3.85E+02	4.04E+02	3.13E+02	4.40E+02	6.09E+02
3.23E+02	3.63E+02	4.08E+02	3.98E+02	3.17E+02	4.33E+02	6.94E+02
3.29E+02	3.68E+02	4.09E+02	4.05E+02	3.24E+02	4.32E+02	6.67E+02
3.24E+02	3.65E+02	4.08E+02	3.99E+02	3.10E+02	4.38E+02	6.67E+02
3.19E+02	3.64E+02	4.01E+02	4.01E+02	3.14E+02	4.39E+02	7.15E+02
3.28E+02	3.67E+02	3.92E+02	4.17E+02	3.61E+02	4.42E+02	6.92E+02
3.37E+02	3.77E+02	4.06E+02	4.05E+02	4.19E+02	4.46E+02	6.73E+02
3.38E+02	3.80E+02	4.21E+02	4.07E+02	3.90E+02	4.45E+02	7.19E+02

3.37E+02	3.79E+02	4.12E+02	4.12E+02	4.13E+02	4.48E+02	6.78E+02
3.40E+02	3.81E+02	4.13E+02	4.21E+02	4.29E+02	4.53E+02	6.65E+02
3.39E+02	3.83E+02	4.10E+02	4.13E+02	4.35E+02	4.53E+02	6.86E+02
3.37E+02	3.81E+02	4.13E+02	4.06E+02	4.42E+02	4.49E+02	7.02E+02
3.37E+02	3.82E+02	4.14E+02	4.11E+02	4.33E+02	4.48E+02	6.97E+02
3.40E+02	3.84E+02	4.13E+02	4.12E+02	4.46E+02	4.54E+02	6.91E+02
3.43E+02	3.88E+02	4.19E+02	4.14E+02	4.68E+02	4.61E+02	6.84E+02
3.41E+02	3.86E+02	4.25E+02	4.29E+02	4.38E+02	4.66E+02	6.85E+02
3.48E+02	3.90E+02	4.32E+02	4.28E+02	4.35E+02	4.66E+02	6.73E+02
3.53E+02	3.96E+02	4.32E+02	4.26E+02	4.67E+02	4.75E+02	6.88E+02
3.51E+02	3.96E+02	4.28E+02	4.22E+02	4.88E+02	4.75E+02	6.86E+02
3.50E+02	3.93E+02	4.27E+02	4.30E+02	4.85E+02	4.82E+02	6.64E+02
312.48	358.67	395.55	426.16	475.76	468.53	519.07
594.47	677.61	743.98	799.08	888.37	875.35	966.33

T TEMP +15 temp C	T TEMP +20 temp C	T TEMP +25 temp C	T TEMP +30 temp C	T TEMP +35 temp C	T TEMP +40 temp C	S TEMP -40 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
6.54E+01	6.06E+01	5.49E+01	4.86E+01	4.34E+01	3.75E+01	2.01E+01
2.19E+02	1.91E+02	1.75E+02	1.52E+02	1.38E+02	1.23E+02	2.31E+01
2.52E+02	2.15E+02	2.01E+02	1.78E+02	1.65E+02	1.51E+02	3.36E+01
2.31E+02	2.02E+02	2.14E+02	1.96E+02	1.82E+02	1.67E+02	4.61E+01
2.38E+02	2.10E+02	2.24E+02	2.10E+02	1.99E+02	1.80E+02	5.54E+01
2.43E+02	2.15E+02	2.29E+02	2.15E+02	2.05E+02	1.88E+02	6.87E+01
2.60E+02	2.24E+02	2.44E+02	2.34E+02	2.23E+02	1.99E+02	7.27E+01
2.66E+02	2.30E+02	2.52E+02	2.42E+02	2.30E+02	2.05E+02	7.46E+01
2.82E+02	2.39E+02	2.62E+02	2.48E+02	2.36E+02	2.08E+02	7.46E+01
2.97E+02	2.49E+02	2.75E+02	2.60E+02	2.46E+02	2.13E+02	7.41E+01
3.25E+02	2.72E+02	3.03E+02	2.82E+02	2.65E+02	2.27E+02	7.28E+01
3.43E+02	2.90E+02	3.15E+02	2.97E+02	2.82E+02	2.43E+02	7.82E+01
3.49E+02	2.99E+02	3.21E+02	3.03E+02	2.89E+02	2.50E+02	8.41E+01
3.64E+02	3.13E+02	3.39E+02	3.18E+02	3.02E+02	2.62E+02	8.68E+01
3.87E+02	3.34E+02	3.63E+02	3.42E+02	3.21E+02	2.72E+02	9.00E+01
4.04E+02	3.48E+02	3.77E+02	3.52E+02	3.32E+02	2.81E+02	9.02E+01
4.04E+02	3.56E+02	3.91E+02	3.65E+02	3.42E+02	2.88E+02	9.19E+01
3.92E+02	3.23E+02	3.57E+02	3.37E+02	3.18E+02	2.69E+02	8.73E+01
4.16E+02	3.43E+02	3.83E+02	3.59E+02	3.35E+02	2.79E+02	8.31E+01
4.27E+02	3.53E+02	3.96E+02	3.73E+02	3.47E+02	2.88E+02	8.36E+01
4.52E+02	3.77E+02	4.18E+02	3.86E+02	3.59E+02	2.93E+02	8.18E+01
4.75E+02	4.09E+02	4.49E+02	4.22E+02	3.90E+02	3.16E+02	8.47E+01
6.61E+02	5.70E+02	5.46E+02	4.90E+02	4.64E+02	3.83E+02	9.12E+01
6.25E+02	6.20E+02	5.96E+02	5.14E+02	4.83E+02	4.16E+02	9.51E+01
5.82E+02	5.96E+02	5.84E+02	5.72E+02	5.48E+02	4.60E+02	9.68E+01
5.59E+02	5.83E+02	5.70E+02	5.56E+02	5.34E+02	4.49E+02	9.61E+01
5.23E+02	5.32E+02	5.27E+02	5.22E+02	5.09E+02	4.84E+02	9.47E+01
5.45E+02	5.56E+02	5.47E+02	5.38E+02	5.25E+02	5.08E+02	9.82E+01
5.28E+02	5.52E+02	5.46E+02	5.35E+02	5.16E+02	4.78E+02	9.89E+01
5.21E+02	5.24E+02	5.29E+02	5.22E+02	5.08E+02	4.75E+02	9.93E+01
5.87E+02	4.25E+02	4.94E+02	4.89E+02	4.73E+02	4.22E+02	9.63E+01
5.09E+02	3.53E+02	4.18E+02	4.20E+02	3.90E+02	3.36E+02	9.41E+01
5.19E+02	3.47E+02	3.86E+02	3.84E+02	3.75E+02	3.17E+02	8.93E+01
6.10E+02	4.95E+02	4.77E+02	4.05E+02	3.84E+02	3.25E+02	8.62E+01
5.63E+02	4.92E+02	4.82E+02	4.21E+02	3.89E+02	3.29E+02	8.80E+01
5.49E+02	4.54E+02	4.41E+02	4.02E+02	3.84E+02	3.22E+02	8.89E+01
5.60E+02	4.39E+02	4.42E+02	4.08E+02	3.89E+02	3.25E+02	9.15E+01
6.39E+02	5.40E+02	5.20E+02	4.28E+02	4.01E+02	3.43E+02	9.01E+01
6.34E+02	5.34E+02	5.21E+02	4.44E+02	4.09E+02	3.48E+02	9.06E+01
6.94E+02	5.08E+02	5.17E+02	4.49E+02	4.20E+02	3.52E+02	9.24E+01
6.58E+02	5.48E+02	5.32E+02	4.55E+02	4.29E+02	3.61E+02	9.52E+01
6.25E+02	5.36E+02	5.39E+02	4.77E+02	4.39E+02	3.63E+02	9.80E+01
6.94E+02	5.57E+02	5.57E+02	4.89E+02	4.55E+02	3.73E+02	9.65E+01
6.89E+02	5.78E+02	5.68E+02	5.12E+02	4.72E+02	3.89E+02	9.67E+01
6.28E+02	5.42E+02	5.48E+02	5.02E+02	4.69E+02	3.74E+02	9.85E+01
6.14E+02	5.55E+02	5.58E+02	4.94E+02	4.55E+02	3.76E+02	1.03E+02
6.23E+02	5.68E+02	5.74E+02	5.15E+02	4.65E+02	3.83E+02	1.07E+02

6.11E+02	5.97E+02	5.97E+02	5.36E+02	4.76E+02	3.90E+02	1.08E+02
6.26E+02	5.84E+02	5.87E+02	5.26E+02	4.73E+02	3.89E+02	1.09E+02
6.24E+02	5.78E+02	5.88E+02	5.18E+02	4.71E+02	3.92E+02	1.09E+02
6.62E+02	5.81E+02	5.92E+02	5.26E+02	4.80E+02	3.97E+02	1.09E+02
6.71E+02	5.85E+02	5.98E+02	5.34E+02	4.85E+02	3.98E+02	1.08E+02
6.53E+02	5.75E+02	5.91E+02	5.30E+02	4.86E+02	4.01E+02	1.08E+02
6.47E+02	5.84E+02	6.02E+02	5.32E+02	4.82E+02	3.98E+02	1.11E+02
6.58E+02	5.91E+02	6.01E+02	5.30E+02	4.88E+02	4.02E+02	1.11E+02
6.71E+02	5.78E+02	6.00E+02	5.38E+02	4.92E+02	4.02E+02	1.12E+02
6.59E+02	5.81E+02	6.02E+02	5.34E+02	4.90E+02	4.05E+02	1.14E+02
6.78E+02	5.95E+02	6.13E+02	5.44E+02	4.98E+02	4.11E+02	1.14E+02
6.60E+02	5.82E+02	6.05E+02	5.33E+02	4.89E+02	4.06E+02	1.14E+02
497.73	434.81	446.00	407.72	381.03	323.95	87.92
927.92	814.66	834.80	765.89	717.86	615.11	190.25

S TEMP -35 temp C	S TEMP -30 temp C	S TEMP -25 temp C	S TEMP -20 temp C	S TEMP -15 temp C	S TEMP -10 temp C	S TEMP -5 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.01E+01	2.03E+01	2.07E+01	2.11E+01	2.23E+01	2.51E+01	3.24E+01
2.47E+01	2.71E+01	3.01E+01	3.07E+01	3.65E+01	4.09E+01	7.58E+01
3.49E+01	3.71E+01	3.99E+01	4.23E+01	5.03E+01	5.81E+01	6.31E+01
4.70E+01	4.78E+01	5.01E+01	5.25E+01	6.15E+01	6.97E+01	8.67E+01
5.73E+01	5.85E+01	6.08E+01	6.32E+01	6.90E+01	7.70E+01	9.36E+01
7.11E+01	7.19E+01	7.32E+01	7.41E+01	7.77E+01	8.43E+01	9.65E+01
7.39E+01	7.40E+01	7.47E+01	7.61E+01	7.75E+01	8.24E+01	9.25E+01
7.67E+01	7.75E+01	7.87E+01	7.95E+01	8.13E+01	8.72E+01	1.00E+02
7.52E+01	7.57E+01	7.70E+01	7.86E+01	8.07E+01	9.07E+01	1.07E+02
7.42E+01	7.45E+01	7.57E+01	7.74E+01	8.01E+01	9.14E+01	1.08E+02
7.30E+01	7.39E+01	7.59E+01	7.80E+01	8.22E+01	9.42E+01	1.11E+02
8.03E+01	8.19E+01	8.41E+01	8.58E+01	8.74E+01	9.44E+01	1.08E+02
8.68E+01	8.81E+01	8.99E+01	9.15E+01	9.31E+01	9.82E+01	1.10E+02
9.07E+01	9.25E+01	9.51E+01	9.67E+01	1.00E+02	1.05E+02	1.15E+02
9.46E+01	9.69E+01	1.00E+02	1.02E+02	1.07E+02	1.11E+02	1.23E+02
9.45E+01	9.66E+01	9.97E+01	1.02E+02	1.07E+02	1.10E+02	1.22E+02
9.66E+01	9.87E+01	1.02E+02	1.03E+02	1.07E+02	1.11E+02	1.23E+02
8.94E+01	9.01E+01	9.13E+01	9.12E+01	9.20E+01	1.00E+02	1.18E+02
8.30E+01	8.34E+01	8.41E+01	8.46E+01	8.74E+01	1.05E+02	1.27E+02
8.45E+01	8.56E+01	8.73E+01	8.80E+01	9.09E+01	1.05E+02	1.25E+02
8.27E+01	8.39E+01	8.48E+01	8.46E+01	8.95E+01	1.07E+02	1.31E+02
8.62E+01	8.79E+01	9.03E+01	9.17E+01	9.59E+01	1.10E+02	1.34E+02
9.72E+01	1.02E+02	1.08E+02	1.09E+02	1.14E+02	1.23E+02	1.43E+02
1.03E+02	1.08E+02	1.13E+02	1.14E+02	1.20E+02	1.29E+02	1.46E+02
1.04E+02	1.09E+02	1.13E+02	1.14E+02	1.19E+02	1.27E+02	1.43E+02
1.03E+02	1.07E+02	1.11E+02	1.11E+02	1.16E+02	1.24E+02	1.40E+02
1.01E+02	1.05E+02	1.09E+02	1.10E+02	1.15E+02	1.23E+02	1.38E+02
1.06E+02	1.11E+02	1.16E+02	1.17E+02	1.23E+02	1.29E+02	1.43E+02
1.07E+02	1.12E+02	1.18E+02	1.18E+02	1.24E+02	1.30E+02	1.43E+02
1.08E+02	1.14E+02	1.21E+02	1.22E+02	1.27E+02	1.33E+02	1.44E+02
1.05E+02	1.12E+02	1.19E+02	1.20E+02	1.27E+02	1.32E+02	1.42E+02
1.03E+02	1.11E+02	1.18E+02	1.19E+02	1.25E+02	1.29E+02	1.40E+02
9.60E+01	1.01E+02	1.08E+02	1.10E+02	1.15E+02	1.20E+02	1.31E+02
9.33E+01	9.99E+01	1.09E+02	1.10E+02	1.16E+02	1.22E+02	1.34E+02
9.58E+01	1.02E+02	1.10E+02	1.11E+02	1.17E+02	1.25E+02	1.34E+02
9.66E+01	1.03E+02	1.10E+02	1.12E+02	1.20E+02	1.26E+02	1.34E+02
1.00E+02	1.06E+02	1.13E+02	1.14E+02	1.20E+02	1.25E+02	1.34E+02
9.75E+01	1.03E+02	1.12E+02	1.15E+02	1.22E+02	1.28E+02	1.37E+02
9.85E+01	1.05E+02	1.13E+02	1.16E+02	1.23E+02	1.30E+02	1.38E+02
1.01E+02	1.07E+02	1.16E+02	1.18E+02	1.26E+02	1.35E+02	1.42E+02
1.04E+02	1.11E+02	1.19E+02	1.22E+02	1.31E+02	1.40E+02	1.47E+02
1.07E+02	1.13E+02	1.21E+02	1.23E+02	1.33E+02	1.43E+02	1.50E+02
1.05E+02	1.12E+02	1.21E+02	1.24E+02	1.34E+02	1.44E+02	1.51E+02
1.05E+02	1.11E+02	1.20E+02	1.23E+02	1.31E+02	1.41E+02	1.47E+02
1.07E+02	1.13E+02	1.21E+02	1.23E+02	1.31E+02	1.39E+02	1.46E+02
1.14E+02	1.20E+02	1.28E+02	1.31E+02	1.43E+02	1.48E+02	1.54E+02
1.17E+02	1.24E+02	1.33E+02	1.36E+02	1.49E+02	1.53E+02	1.58E+02

1.18E+02	1.25E+02	1.34E+02	1.37E+02	1.48E+02	1.52E+02	1.58E+02
1.19E+02	1.24E+02	1.32E+02	1.36E+02	1.45E+02	1.49E+02	1.57E+02
1.19E+02	1.25E+02	1.34E+02	1.37E+02	1.48E+02	1.52E+02	1.59E+02
1.19E+02	1.26E+02	1.35E+02	1.38E+02	1.49E+02	1.54E+02	1.60E+02
1.18E+02	1.24E+02	1.34E+02	1.38E+02	1.49E+02	1.54E+02	1.59E+02
1.19E+02	1.25E+02	1.34E+02	1.38E+02	1.49E+02	1.53E+02	1.60E+02
1.21E+02	1.28E+02	1.36E+02	1.39E+02	1.50E+02	1.55E+02	1.60E+02
1.21E+02	1.27E+02	1.35E+02	1.38E+02	1.49E+02	1.54E+02	1.60E+02
1.22E+02	1.28E+02	1.36E+02	1.40E+02	1.50E+02	1.56E+02	1.63E+02
1.24E+02	1.31E+02	1.40E+02	1.43E+02	1.54E+02	1.59E+02	1.63E+02
1.25E+02	1.32E+02	1.41E+02	1.44E+02	1.55E+02	1.59E+02	1.63E+02
1.24E+02	1.29E+02	1.37E+02	1.40E+02	1.49E+02	1.54E+02	1.63E+02
94.07	98.16	103.57	105.42	111.90	118.81	130.14
201.33	208.69	218.42	221.76	233.42	245.85	266.25

S TEMP 0 temp C	S TEMP +5 temp C	S TEMP +10 temp C	S TEMP +15 temp C	S TEMP +20 temp C	S TEMP +25 temp C	S TEMP +30 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.11E+02	2.11E+01	2.04E+01	2.04E+01	2.02E+01	2.01E+01	2.01E+01
1.36E+02	2.79E+01	2.46E+01	2.38E+01	2.45E+01	2.45E+01	2.48E+01
3.14E+02	4.53E+01	3.80E+01	3.30E+01	3.16E+01	3.13E+01	3.14E+01
2.20E+02	6.43E+01	4.47E+01	4.22E+01	3.94E+01	3.94E+01	3.95E+01
2.12E+02	8.61E+01	5.20E+01	4.85E+01	4.68E+01	4.70E+01	4.71E+01
2.20E+02	1.31E+02	6.05E+01	5.84E+01	5.47E+01	5.43E+01	5.47E+01
1.77E+02	1.27E+02	7.32E+01	6.92E+01	6.66E+01	6.26E+01	6.21E+01
1.94E+02	1.36E+02	7.79E+01	7.33E+01	6.95E+01	6.67E+01	6.53E+01
2.24E+02	1.11E+02	7.92E+01	7.50E+01	7.28E+01	7.00E+01	6.82E+01
1.96E+02	1.04E+02	8.24E+01	7.78E+01	7.46E+01	7.16E+01	6.90E+01
1.98E+02	1.13E+02	8.84E+01	8.27E+01	7.95E+01	7.52E+01	7.25E+01
1.82E+02	1.39E+02	9.17E+01	8.77E+01	8.42E+01	8.07E+01	7.91E+01
1.73E+02	2.53E+02	9.83E+01	9.48E+01	8.87E+01	8.48E+01	8.29E+01
1.77E+02	5.05E+02	1.02E+02	9.91E+01	9.14E+01	8.85E+01	8.60E+01
1.84E+02	5.93E+02	1.05E+02	9.92E+01	9.37E+01	8.86E+01	8.66E+01
1.85E+02	5.82E+02	1.08E+02	9.99E+01	9.38E+01	8.89E+01	8.59E+01
1.85E+02	3.74E+02	1.09E+02	1.01E+02	9.53E+01	9.13E+01	8.85E+01
1.89E+02	1.46E+02	1.11E+02	1.02E+02	9.69E+01	9.13E+01	8.77E+01
2.08E+02	1.35E+02	1.15E+02	1.03E+02	9.91E+01	9.40E+01	9.06E+01
2.04E+02	1.32E+02	1.18E+02	1.08E+02	1.03E+02	9.76E+01	9.43E+01
2.04E+02	1.44E+02	1.17E+02	1.09E+02	1.04E+02	9.77E+01	9.29E+01
2.01E+02	3.39E+02	1.32E+02	1.13E+02	1.08E+02	1.03E+02	9.91E+01
2.17E+02	5.06E+02	1.54E+02	1.47E+02	1.28E+02	1.20E+02	1.14E+02
2.15E+02	4.65E+02	1.87E+02	1.64E+02	1.41E+02	1.31E+02	1.25E+02
2.13E+02	4.29E+02	2.10E+02	1.54E+02	1.43E+02	1.38E+02	1.35E+02
1.98E+02	4.35E+02	1.57E+02	1.54E+02	1.48E+02	1.42E+02	1.40E+02
2.04E+02	4.11E+02	2.57E+02	1.65E+02	1.62E+02	1.62E+02	1.62E+02
2.08E+02	4.15E+02	3.90E+02	1.84E+02	1.79E+02	1.78E+02	1.80E+02
2.05E+02	3.75E+02	4.78E+02	1.86E+02	1.85E+02	1.87E+02	1.89E+02
1.99E+02	2.61E+02	4.74E+02	2.62E+02	2.17E+02	2.20E+02	2.19E+02
1.96E+02	1.96E+02	4.11E+02	5.04E+02	2.49E+02	2.34E+02	2.24E+02
1.88E+02	1.81E+02	3.56E+02	4.50E+02	2.71E+02	2.20E+02	2.14E+02
1.86E+02	1.83E+02	3.57E+02	3.39E+02	1.78E+02	1.64E+02	1.63E+02
1.94E+02	2.25E+02	4.50E+02	1.94E+02	1.45E+02	1.43E+02	1.41E+02
1.92E+02	3.15E+02	4.94E+02	1.45E+02	1.40E+02	1.38E+02	1.36E+02
1.92E+02	3.09E+02	4.77E+02	1.48E+02	1.50E+02	1.44E+02	1.41E+02
1.91E+02	3.11E+02	4.79E+02	1.68E+02	1.53E+02	1.53E+02	1.50E+02
1.94E+02	2.57E+02	4.92E+02	1.90E+02	1.47E+02	1.45E+02	1.41E+02
1.95E+02	2.67E+02	5.05E+02	1.93E+02	1.52E+02	1.47E+02	1.42E+02
2.02E+02	2.72E+02	5.21E+02	1.83E+02	1.47E+02	1.42E+02	1.37E+02
2.10E+02	3.03E+02	5.56E+02	1.53E+02	1.48E+02	1.43E+02	1.41E+02
2.02E+02	3.35E+02	5.50E+02	2.01E+02	1.67E+02	1.52E+02	1.46E+02
2.05E+02	2.99E+02	5.55E+02	1.76E+02	1.50E+02	1.47E+02	1.42E+02
2.05E+02	3.36E+02	5.54E+02	1.87E+02	1.56E+02	1.49E+02	1.43E+02
2.08E+02	3.55E+02	5.48E+02	1.73E+02	1.68E+02	1.56E+02	1.47E+02
2.18E+02	4.25E+02	4.46E+02	1.53E+02	1.51E+02	1.42E+02	1.40E+02
2.22E+02	4.37E+02	4.54E+02	1.51E+02	1.38E+02	1.37E+02	1.35E+02

2.22E+02	4.35E+02	4.28E+02	1.61E+02	1.46E+02	1.38E+02	1.34E+02
2.22E+02	4.48E+02	3.71E+02	1.62E+02	1.48E+02	1.41E+02	1.38E+02
2.23E+02	4.57E+02	3.80E+02	1.57E+02	1.44E+02	1.39E+02	1.36E+02
2.19E+02	4.65E+02	3.71E+02	1.61E+02	1.49E+02	1.41E+02	1.37E+02
2.24E+02	4.50E+02	4.30E+02	1.61E+02	1.52E+02	1.44E+02	1.41E+02
2.23E+02	4.59E+02	3.10E+02	1.57E+02	1.48E+02	1.39E+02	1.37E+02
2.23E+02	5.01E+02	2.84E+02	1.55E+02	1.47E+02	1.40E+02	1.37E+02
2.23E+02	4.44E+02	3.23E+02	1.55E+02	1.48E+02	1.40E+02	1.37E+02
2.21E+02	4.65E+02	2.70E+02	1.56E+02	1.46E+02	1.38E+02	1.36E+02
2.22E+02	4.72E+02	2.94E+02	1.58E+02	1.50E+02	1.42E+02	1.39E+02
2.26E+02	5.11E+02	3.01E+02	1.65E+02	1.50E+02	1.46E+02	1.43E+02
2.29E+02	5.62E+02	2.11E+02	1.55E+02	1.48E+02	1.42E+02	1.40E+02
202.50	305.01	272.59	146.13	125.80	120.18	117.53
396.49	581.02	522.66	295.03	258.44	248.33	243.55

S TEMP +35 temp C	S TEMP +40 temp C	B TEMP -40 temp C	B TEMP -35 temp C	B TEMP -30 temp C	B TEMP -25 temp C	B TEMP -20 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.01E+01	2.01E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.54E+01	2.64E+01	2.01E+01	2.01E+01	2.01E+01	2.00E+01	2.04E+01
3.16E+01	3.30E+01	2.07E+01	2.05E+01	2.03E+01	2.05E+01	2.12E+01
3.98E+01	4.06E+01	2.22E+01	2.21E+01	2.16E+01	2.20E+01	2.28E+01
4.79E+01	4.95E+01	2.51E+01	2.48E+01	2.38E+01	2.43E+01	2.59E+01
5.54E+01	5.69E+01	2.91E+01	2.89E+01	2.79E+01	2.84E+01	3.00E+01
6.28E+01	6.42E+01	3.22E+01	3.20E+01	3.09E+01	3.12E+01	3.29E+01
6.52E+01	6.65E+01	3.34E+01	3.33E+01	3.24E+01	3.29E+01	3.47E+01
6.85E+01	6.95E+01	3.47E+01	3.45E+01	3.36E+01	3.36E+01	3.56E+01
6.84E+01	6.94E+01	3.48E+01	3.48E+01	3.41E+01	3.40E+01	3.59E+01
7.07E+01	7.00E+01	3.47E+01	3.46E+01	3.38E+01	3.38E+01	3.60E+01
7.82E+01	7.69E+01	3.59E+01	3.55E+01	3.43E+01	3.48E+01	3.69E+01
8.25E+01	8.24E+01	3.71E+01	3.69E+01	3.57E+01	3.64E+01	3.84E+01
8.57E+01	8.62E+01	3.73E+01	3.70E+01	3.58E+01	3.69E+01	3.91E+01
8.63E+01	8.71E+01	3.81E+01	3.80E+01	3.66E+01	3.79E+01	4.04E+01
8.50E+01	8.63E+01	3.74E+01	3.73E+01	3.61E+01	3.74E+01	4.00E+01
8.69E+01	8.76E+01	3.82E+01	3.80E+01	3.68E+01	3.80E+01	4.05E+01
8.50E+01	8.39E+01	3.73E+01	3.73E+01	3.66E+01	3.68E+01	3.87E+01
8.89E+01	8.61E+01	3.75E+01	3.74E+01	3.65E+01	3.62E+01	3.82E+01
9.30E+01	9.00E+01	3.82E+01	3.80E+01	3.72E+01	3.71E+01	3.90E+01
9.00E+01	8.68E+01	3.72E+01	3.72E+01	3.66E+01	3.64E+01	3.84E+01
9.69E+01	9.36E+01	3.81E+01	3.77E+01	3.67E+01	3.69E+01	3.93E+01
1.09E+02	1.03E+02	3.91E+01	3.90E+01	3.77E+01	3.90E+01	4.17E+01
1.22E+02	1.16E+02	3.90E+01	3.89E+01	3.77E+01	3.91E+01	4.19E+01
1.33E+02	1.25E+02	3.97E+01	3.96E+01	3.83E+01	3.96E+01	4.23E+01
1.37E+02	1.34E+02	3.98E+01	3.98E+01	3.87E+01	3.98E+01	4.24E+01
1.62E+02	1.58E+02	4.00E+01	3.99E+01	3.88E+01	3.98E+01	4.25E+01
1.82E+02	1.79E+02	4.04E+01	4.04E+01	3.91E+01	4.06E+01	4.34E+01
1.93E+02	1.92E+02	4.04E+01	4.03E+01	3.90E+01	4.06E+01	4.36E+01
2.15E+02	2.13E+02	4.11E+01	4.10E+01	3.96E+01	4.16E+01	4.47E+01
2.16E+02	2.10E+02	4.07E+01	4.06E+01	3.91E+01	4.12E+01	4.45E+01
2.08E+02	2.08E+02	4.07E+01	4.05E+01	3.91E+01	4.11E+01	4.43E+01
1.62E+02	1.64E+02	3.94E+01	3.94E+01	3.82E+01	4.01E+01	4.30E+01
1.39E+02	1.37E+02	3.90E+01	3.88E+01	3.74E+01	3.95E+01	4.28E+01
1.36E+02	1.32E+02	3.84E+01	3.83E+01	3.70E+01	3.91E+01	4.21E+01
1.38E+02	1.39E+02	3.82E+01	3.81E+01	3.68E+01	3.89E+01	4.22E+01
1.51E+02	1.49E+02	3.84E+01	3.85E+01	3.72E+01	3.93E+01	4.22E+01
1.38E+02	1.36E+02	3.84E+01	3.83E+01	3.68E+01	3.93E+01	4.29E+01
1.38E+02	1.34E+02	3.88E+01	3.87E+01	3.72E+01	3.96E+01	4.32E+01
1.34E+02	1.30E+02	3.90E+01	3.89E+01	3.75E+01	4.00E+01	4.35E+01
1.38E+02	1.32E+02	3.94E+01	3.94E+01	3.78E+01	4.04E+01	4.42E+01
1.43E+02	1.43E+02	3.95E+01	3.95E+01	3.81E+01	4.05E+01	4.40E+01
1.40E+02	1.33E+02	3.97E+01	3.97E+01	3.82E+01	4.09E+01	4.50E+01
1.39E+02	1.36E+02	4.02E+01	4.01E+01	3.87E+01	4.13E+01	4.51E+01
1.47E+02	1.50E+02	3.98E+01	4.00E+01	3.87E+01	4.10E+01	4.44E+01
1.41E+02	1.40E+02	4.05E+01	4.05E+01	3.89E+01	4.17E+01	4.56E+01
1.35E+02	1.36E+02	4.22E+01	4.21E+01	4.04E+01	4.33E+01	4.76E+01

1.33E+02	1.32E+02	4.32E+01	4.32E+01	4.15E+01	4.45E+01	4.88E+01
1.37E+02	1.36E+02	4.30E+01	4.31E+01	4.15E+01	4.42E+01	4.82E+01
1.34E+02	1.33E+02	4.34E+01	4.34E+01	4.18E+01	4.47E+01	4.90E+01
1.35E+02	1.34E+02	4.37E+01	4.37E+01	4.21E+01	4.51E+01	4.94E+01
1.39E+02	1.35E+02	4.35E+01	4.36E+01	4.20E+01	4.50E+01	4.94E+01
1.37E+02	1.36E+02	4.33E+01	4.34E+01	4.17E+01	4.47E+01	4.90E+01
1.35E+02	1.35E+02	4.32E+01	4.34E+01	4.18E+01	4.47E+01	4.90E+01
1.34E+02	1.33E+02	4.39E+01	4.40E+01	4.24E+01	4.52E+01	4.95E+01
1.34E+02	1.36E+02	4.39E+01	4.41E+01	4.26E+01	4.54E+01	4.97E+01
1.38E+02	1.37E+02	4.51E+01	4.51E+01	4.34E+01	4.63E+01	5.06E+01
1.42E+02	1.40E+02	4.53E+01	4.55E+01	4.38E+01	4.68E+01	5.13E+01
1.39E+02	1.38E+02	4.46E+01	4.49E+01	4.35E+01	4.61E+01	5.01E+01
116.11	114.80	37.62	37.55	36.36	37.93	40.78
241.01	238.65	99.71	99.60	97.45	100.27	105.41

B TEMP -15 temp C	B TEMP -10 temp C	B TEMP -5 temp C	B TEMP 0 temp C	B TEMP +5 temp C	B TEMP +10 temp C	B TEMP +15 temp C
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01
2.01E+01	2.08E+01	2.52E+01	4.67E+02	3.64E+01	2.00E+01	2.01E+01
2.04E+01	2.01E+01	3.88E+01	3.24E+02	2.28E+01	2.03E+01	2.04E+01
2.14E+01	2.11E+01	1.84E+01	4.00E+02	4.94E+01	2.07E+01	2.10E+01
2.29E+01	2.30E+01	2.12E+01	5.22E+02	6.23E+01	2.21E+01	2.23E+01
2.61E+01	2.62E+01	2.38E+01	5.71E+02	6.84E+01	2.47E+01	2.45E+01
2.99E+01	3.01E+01	2.95E+01	6.29E+02	7.88E+01	3.43E+01	2.77E+01
3.30E+01	3.29E+01	3.44E+01	5.81E+02	7.78E+01	3.26E+01	3.29E+01
3.48E+01	3.48E+01	3.57E+01	5.82E+02	1.18E+02	3.79E+01	3.63E+01
3.57E+01	3.55E+01	3.89E+01	5.22E+02	8.19E+01	3.72E+01	3.75E+01
3.61E+01	3.61E+01	3.90E+01	4.60E+02	8.07E+01	3.79E+01	3.86E+01
3.60E+01	3.61E+01	3.61E+01	4.57E+02	7.97E+01	3.81E+01	3.92E+01
3.69E+01	3.67E+01	3.64E+01	5.21E+02	9.34E+01	4.26E+01	3.89E+01
3.85E+01	3.82E+01	3.79E+01	5.36E+02	1.98E+02	5.23E+01	4.03E+01
3.93E+01	3.91E+01	3.75E+01	5.49E+02	5.38E+02	6.57E+01	4.23E+01
4.07E+01	4.05E+01	3.65E+01	4.97E+02	5.86E+02	6.93E+01	4.39E+01
4.03E+01	4.02E+01	3.69E+01	4.92E+02	6.03E+02	7.17E+01	4.45E+01
4.08E+01	4.06E+01	3.79E+01	4.83E+02	2.98E+02	5.97E+01	4.42E+01
3.91E+01	3.93E+01	4.06E+01	4.54E+02	1.00E+02	4.25E+01	4.34E+01
3.83E+01	3.84E+01	3.76E+01	4.36E+02	9.29E+01	4.25E+01	4.34E+01
3.91E+01	3.90E+01	3.81E+01	4.35E+02	9.46E+01	4.24E+01	4.37E+01
3.86E+01	3.88E+01	3.86E+01	4.19E+02	9.53E+01	4.33E+01	4.48E+01
3.90E+01	3.88E+01	3.73E+01	4.35E+02	3.16E+02	5.68E+01	4.42E+01
4.22E+01	4.18E+01	3.85E+01	4.81E+02	4.53E+02	1.03E+02	4.53E+01
4.27E+01	4.24E+01	3.94E+01	4.52E+02	4.25E+02	1.43E+02	4.82E+01
4.30E+01	4.28E+01	3.97E+01	4.17E+02	3.99E+02	1.72E+02	5.35E+01
4.32E+01	4.30E+01	4.01E+01	4.06E+02	3.84E+02	8.97E+01	5.02E+01
4.32E+01	4.29E+01	3.93E+01	4.11E+02	3.74E+02	1.99E+02	5.65E+01
4.43E+01	4.41E+01	4.01E+01	4.13E+02	3.85E+02	3.39E+02	7.10E+01
4.45E+01	4.41E+01	3.92E+01	4.16E+02	3.82E+02	3.88E+02	9.48E+01
4.57E+01	4.53E+01	4.06E+01	3.71E+02	3.62E+02	3.72E+02	2.05E+02
4.57E+01	4.52E+01	4.07E+01	3.17E+02	3.33E+02	3.33E+02	3.69E+02
4.55E+01	4.51E+01	4.20E+01	2.84E+02	2.92E+02	2.97E+02	3.29E+02
4.41E+01	4.37E+01	4.13E+01	2.76E+02	2.71E+02	2.83E+02	2.85E+02
4.38E+01	4.34E+01	3.93E+01	3.43E+02	3.34E+02	3.48E+02	1.46E+02
4.32E+01	4.29E+01	3.86E+01	3.63E+02	3.45E+02	3.64E+02	1.46E+02
4.30E+01	4.27E+01	3.85E+01	3.64E+02	3.47E+02	3.69E+02	1.70E+02
4.35E+01	4.32E+01	3.88E+01	3.72E+02	3.46E+02	3.66E+02	1.60E+02
4.40E+01	4.34E+01	3.81E+01	3.84E+02	3.69E+02	3.83E+02	1.38E+02
4.43E+01	4.39E+01	3.89E+01	4.08E+02	3.90E+02	4.03E+02	2.02E+02
4.48E+01	4.42E+01	3.92E+01	4.15E+02	4.17E+02	4.21E+02	2.70E+02
4.54E+01	4.49E+01	4.10E+01	4.37E+02	4.22E+02	4.34E+02	2.01E+02
4.53E+01	4.51E+01	4.19E+01	4.28E+02	4.27E+02	4.36E+02	2.19E+02
4.63E+01	4.58E+01	4.24E+01	4.37E+02	4.62E+02	4.65E+02	1.24E+02
4.65E+01	4.60E+01	4.26E+01	4.38E+02	4.36E+02	4.59E+02	1.29E+02
4.59E+01	4.56E+01	4.31E+01	4.47E+02	4.16E+02	4.31E+02	1.33E+02
4.70E+01	4.66E+01	4.36E+01	4.87E+02	4.48E+02	4.19E+02	1.28E+02
4.89E+01	4.84E+01	4.48E+01	5.00E+02	4.66E+02	4.57E+02	9.20E+01

5.02E+01	4.98E+01	4.63E+01	4.98E+02	4.57E+02	4.00E+02	9.08E+01
4.97E+01	4.93E+01	4.56E+01	4.99E+02	4.51E+02	3.60E+02	7.31E+01
5.03E+01	5.00E+01	4.63E+01	5.13E+02	4.62E+02	3.75E+02	7.80E+01
5.08E+01	5.04E+01	4.71E+01	5.20E+02	4.73E+02	3.76E+02	9.39E+01
5.09E+01	5.06E+01	4.77E+01	4.97E+02	4.66E+02	3.67E+02	8.57E+01
5.05E+01	5.01E+01	4.65E+01	5.21E+02	4.70E+02	3.31E+02	8.24E+01
5.04E+01	5.02E+01	4.71E+01	5.38E+02	4.75E+02	2.18E+02	7.93E+01
5.09E+01	5.06E+01	4.71E+01	5.21E+02	4.73E+02	3.32E+02	8.33E+01
5.12E+01	5.10E+01	4.73E+01	5.28E+02	4.75E+02	1.87E+02	7.84E+01
5.22E+01	5.19E+01	4.89E+01	5.32E+02	4.77E+02	2.48E+02	7.92E+01
5.29E+01	5.26E+01	4.96E+01	5.34E+02	4.82E+02	1.82E+02	7.89E+01
5.16E+01	5.15E+01	4.83E+01	5.53E+02	4.92E+02	1.62E+02	7.67E+01
41.57	41.35	39.26	451.93	318.87	215.79	94.32
106.83	106.42	102.67	845.48	605.96	420.41	201.77

B TEMP +20 temp C	B TEMP +25 temp C	B TEMP +30 temp C	B TEMP +35 temp C	B TEMP +40 temp C	T VELO -40 vel m/s	T VELO -35 vel m/s
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.54E-03	3.40E-03
2.00E+01	2.00E+01	2.00E+01	2.00E+01	2.00E+01	5.83E-01	5.40E-01
2.00E+01	2.00E+01	2.02E+01	2.01E+01	2.00E+01	4.92E-01	6.10E-01
2.04E+01	2.03E+01	2.07E+01	2.06E+01	1.97E+01	1.81E-01	1.68E-01
2.07E+01	2.05E+01	2.09E+01	2.15E+01	2.06E+01	5.11E-01	4.34E-01
2.27E+01	2.29E+01	2.39E+01	2.46E+01	2.32E+01	7.24E-01	7.14E-01
2.57E+01	2.56E+01	2.65E+01	2.75E+01	2.64E+01	8.93E-01	9.58E-01
2.91E+01	2.92E+01	3.00E+01	3.15E+01	2.97E+01	9.43E-01	1.01E+00
3.24E+01	3.21E+01	3.30E+01	3.46E+01	3.27E+01	1.00E+00	1.07E+00
3.38E+01	3.35E+01	3.41E+01	3.52E+01	3.29E+01	9.94E-01	1.04E+00
3.46E+01	3.40E+01	3.45E+01	3.58E+01	3.37E+01	9.90E-01	1.01E+00
3.50E+01	3.45E+01	3.46E+01	3.56E+01	3.34E+01	1.01E+00	1.03E+00
3.51E+01	3.44E+01	3.50E+01	3.63E+01	3.35E+01	1.09E+00	1.14E+00
3.62E+01	3.59E+01	3.64E+01	3.83E+01	3.62E+01	1.12E+00	1.21E+00
3.80E+01	3.79E+01	3.91E+01	4.10E+01	3.84E+01	1.12E+00	1.20E+00
3.93E+01	3.91E+01	3.99E+01	4.19E+01	3.96E+01	1.05E+00	1.12E+00
4.02E+01	3.98E+01	4.05E+01	4.23E+01	3.99E+01	1.05E+00	1.11E+00
3.99E+01	3.92E+01	4.00E+01	4.14E+01	3.85E+01	1.01E+00	1.07E+00
3.93E+01	3.88E+01	3.90E+01	4.02E+01	3.81E+01	1.01E+00	1.04E+00
3.90E+01	3.84E+01	3.85E+01	3.98E+01	3.72E+01	1.02E+00	1.02E+00
3.95E+01	3.89E+01	3.95E+01	4.10E+01	3.81E+01	9.97E-01	1.01E+00
4.05E+01	4.02E+01	4.00E+01	4.14E+01	3.92E+01	9.53E-01	9.42E-01
4.02E+01	3.96E+01	3.99E+01	4.12E+01	3.78E+01	1.01E+00	1.02E+00
4.06E+01	4.04E+01	4.08E+01	4.26E+01	3.98E+01	8.95E-01	8.81E-01
4.26E+01	4.23E+01	4.33E+01	4.52E+01	4.13E+01	7.48E-01	7.11E-01
4.38E+01	4.36E+01	4.45E+01	4.62E+01	4.16E+01	7.28E-01	6.88E-01
4.55E+01	4.52E+01	4.62E+01	4.85E+01	4.44E+01	6.44E-01	6.07E-01
4.83E+01	4.89E+01	4.94E+01	5.23E+01	4.85E+01	6.35E-01	5.84E-01
5.22E+01	5.27E+01	5.37E+01	5.67E+01	5.23E+01	7.27E-01	7.09E-01
5.66E+01	5.66E+01	5.78E+01	6.04E+01	5.47E+01	8.00E-01	7.76E-01
6.09E+01	6.15E+01	6.14E+01	6.48E+01	5.94E+01	8.74E-01	8.65E-01
6.72E+01	6.41E+01	6.43E+01	6.72E+01	5.95E+01	9.56E-01	9.65E-01
1.43E+02	1.01E+02	9.03E+01	9.15E+01	8.27E+01	8.80E-01	8.68E-01
1.39E+02	9.34E+01	8.88E+01	8.90E+01	8.31E+01	9.65E-01	1.01E+00
7.19E+01	6.76E+01	6.72E+01	6.81E+01	6.31E+01	8.93E-01	9.64E-01
7.33E+01	6.17E+01	6.45E+01	6.00E+01	5.48E+01	8.89E-01	9.43E-01
1.07E+02	1.03E+02	9.09E+01	7.96E+01	6.99E+01	8.35E-01	8.83E-01
9.97E+01	9.32E+01	8.55E+01	8.52E+01	8.03E+01	8.85E-01	9.15E-01
7.40E+01	7.26E+01	7.26E+01	7.24E+01	6.80E+01	9.58E-01	1.03E+00
8.97E+01	7.19E+01	6.50E+01	6.19E+01	5.71E+01	9.26E-01	9.93E-01
8.37E+01	6.73E+01	6.21E+01	5.97E+01	5.54E+01	9.15E-01	9.75E-01
7.84E+01	6.60E+01	5.73E+01	5.81E+01	5.33E+01	8.76E-01	9.24E-01
9.38E+01	8.48E+01	8.09E+01	8.11E+01	7.09E+01	8.96E-01	9.37E-01
6.49E+01	6.14E+01	5.91E+01	5.85E+01	5.41E+01	9.43E-01	1.00E+00
5.85E+01	5.67E+01	5.66E+01	5.82E+01	5.39E+01	9.32E-01	9.98E-01
7.72E+01	7.88E+01	8.69E+01	9.40E+01	8.24E+01	8.59E-01	9.09E-01
8.63E+01	8.15E+01	6.79E+01	6.42E+01	5.82E+01	8.26E-01	8.64E-01
5.98E+01	5.82E+01	5.82E+01	5.92E+01	5.53E+01	9.04E-01	9.41E-01

5.70E+01	5.55E+01	5.54E+01	5.66E+01	5.29E+01	8.92E-01	9.32E-01
5.60E+01	5.49E+01	5.50E+01	5.69E+01	5.34E+01	8.84E-01	9.36E-01
5.71E+01	5.62E+01	5.65E+01	5.84E+01	5.54E+01	9.12E-01	9.66E-01
5.70E+01	5.59E+01	5.58E+01	5.73E+01	5.41E+01	9.59E-01	1.02E+00
5.70E+01	5.57E+01	5.54E+01	5.70E+01	5.36E+01	9.19E-01	9.79E-01
5.71E+01	5.62E+01	5.61E+01	5.80E+01	5.47E+01	8.83E-01	9.42E-01
5.76E+01	5.66E+01	5.66E+01	5.86E+01	5.56E+01	8.82E-01	9.48E-01
5.80E+01	5.68E+01	5.66E+01	5.82E+01	5.53E+01	9.33E-01	1.00E+00
5.74E+01	5.66E+01	5.64E+01	5.83E+01	5.54E+01	8.91E-01	9.47E-01
5.78E+01	5.70E+01	5.71E+01	5.89E+01	5.62E+01	9.13E-01	9.55E-01
5.86E+01	5.76E+01	5.76E+01	5.96E+01	5.65E+01	8.85E-01	9.49E-01
5.92E+01	5.83E+01	5.82E+01	6.00E+01	5.73E+01	8.58E-01	9.24E-01

54.83	51.43	50.63	51.57	47.88		
130.70	124.58	123.14	124.82	118.19		

T VELO -30 vel m/s	T VELO -25 vel m/s	T VELO -20 vel m/s	T VELO -15 vel m/s	T VELO -10 vel m/s	T VELO -5 vel m/s	T VELO 0 vel m/s
2.94E-03	2.05E-03	1.41E-03	8.18E-03	2.41E-03	4.85E-03	2.40E-03
5.80E-01	6.65E-01	8.23E-01	6.68E-01	6.97E-01	8.50E-01	5.41E+00
6.43E-01	7.09E-01	8.71E-01	1.25E+00	1.32E+00	1.26E+00	4.85E+00
2.40E-01	5.06E-01	7.47E-01	1.17E+00	1.27E+00	7.78E-01	5.44E+00
2.77E-01	2.88E-01	3.64E-01	8.96E-01	1.22E+00	9.35E-01	6.17E+00
6.40E-01	4.53E-01	2.33E-01	4.13E-01	6.93E-01	7.26E-01	6.54E+00
9.49E-01	8.74E-01	6.07E-01	4.84E-01	4.30E-01	5.87E-01	6.87E+00
1.01E+00	9.57E-01	6.95E-01	5.89E-01	4.71E-01	4.86E-01	6.69E+00
1.07E+00	1.00E+00	7.22E-01	6.32E-01	4.15E-01	6.20E-01	6.57E+00
9.86E-01	8.32E-01	5.04E-01	5.12E-01	3.95E-01	6.54E-01	6.13E+00
9.21E-01	7.00E-01	4.17E-01	5.37E-01	4.44E-01	6.78E-01	5.67E+00
9.43E-01	7.31E-01	4.15E-01	6.01E-01	4.46E-01	7.54E-01	5.51E+00
1.07E+00	9.40E-01	6.42E-01	6.90E-01	4.39E-01	8.35E-01	6.09E+00
1.19E+00	1.12E+00	8.12E-01	6.38E-01	4.06E-01	8.14E-01	6.17E+00
1.19E+00	1.15E+00	8.81E-01	7.01E-01	3.62E-01	7.83E-01	6.36E+00
1.12E+00	1.08E+00	8.02E-01	5.38E-01	3.13E-01	1.14E+00	6.01E+00
1.10E+00	1.04E+00	7.32E-01	4.59E-01	3.58E-01	1.15E+00	5.98E+00
1.07E+00	9.91E-01	6.77E-01	4.09E-01	3.97E-01	1.14E+00	5.79E+00
9.66E-01	7.61E-01	5.13E-01	4.42E-01	4.94E-01	1.38E+00	5.36E+00
9.41E-01	7.90E-01	5.15E-01	5.50E-01	6.81E-01	1.75E+00	4.92E+00
9.16E-01	7.25E-01	4.65E-01	5.15E-01	6.45E-01	1.62E+00	4.93E+00
8.54E-01	6.54E-01	4.07E-01	5.02E-01	1.43E+00	2.21E+00	4.44E+00
9.29E-01	7.82E-01	5.45E-01	6.34E-01	6.61E-01	1.77E+00	5.16E+00
7.60E-01	5.17E-01	2.88E-01	5.62E-01	8.56E-01	1.40E+00	4.43E+00
5.78E-01	3.10E-01	1.89E-01	7.88E-01	8.08E-01	1.19E+00	3.99E+00
5.25E-01	2.07E-01	1.41E-01	7.07E-01	8.09E-01	1.23E+00	3.58E+00
3.67E-01	2.45E-01	2.06E-01	7.69E-01	7.44E-01	1.18E+00	3.69E+00
3.29E-01	1.99E-01	1.57E-01	6.92E-01	7.70E-01	1.07E+00	3.38E+00
5.52E-01	1.96E-01	2.28E-01	6.89E-01	7.65E-01	1.24E+00	3.30E+00
6.28E-01	2.69E-01	1.76E-01	6.78E-01	6.95E-01	1.15E+00	3.03E+00
7.55E-01	4.69E-01	1.96E-01	6.17E-01	6.06E-01	1.36E+00	2.36E+00
8.27E-01	6.43E-01	3.41E-01	6.65E-01	6.38E-01	1.56E+00	1.65E+00
7.28E-01	5.57E-01	3.30E-01	7.47E-01	7.11E-01	1.36E+00	1.59E+00
8.68E-01	5.31E-01	4.62E-01	4.35E-01	6.81E-01	1.03E+00	2.19E+00
8.74E-01	6.17E-01	5.10E-01	4.90E-01	5.88E-01	1.54E+00	2.62E+00
8.83E-01	6.33E-01	4.11E-01	5.26E-01	5.52E-01	1.68E+00	2.74E+00
7.77E-01	3.79E-01	2.11E-01	5.24E-01	5.38E-01	1.06E+00	2.73E+00
7.87E-01	3.74E-01	2.52E-01	4.70E-01	5.53E-01	8.70E-01	3.15E+00
9.52E-01	6.15E-01	4.20E-01	4.63E-01	5.00E-01	1.55E+00	2.62E+00
9.43E-01	6.86E-01	3.97E-01	4.35E-01	4.74E-01	1.57E+00	2.85E+00
9.29E-01	6.89E-01	3.31E-01	4.38E-01	5.81E-01	1.52E+00	2.69E+00
8.65E-01	6.20E-01	2.33E-01	4.39E-01	1.43E+00	1.99E+00	2.74E+00
8.51E-01	5.15E-01	2.31E-01	4.51E-01	1.34E+00	1.85E+00	2.65E+00
9.08E-01	5.91E-01	2.50E-01	4.56E-01	1.36E+00	1.76E+00	2.60E+00
9.43E-01	6.84E-01	3.67E-01	4.36E-01	1.07E+00	1.83E+00	2.55E+00
7.95E-01	4.18E-01	2.28E-01	4.30E-01	5.16E-01	1.43E+00	3.07E+00
7.83E-01	4.90E-01	2.42E-01	3.80E-01	6.55E-01	8.06E-01	3.57E+00
8.57E-01	5.57E-01	3.55E-01	3.35E-01	1.31E+00	1.24E+00	3.35E+00

8.34E-01	5.89E-01	3.77E-01	3.65E-01	7.76E-01	1.07E+00	3.57E+00
8.62E-01	5.77E-01	3.47E-01	3.15E-01	5.21E-01	1.12E+00	3.74E+00
8.90E-01	5.71E-01	4.16E-01	3.49E-01	5.33E-01	1.28E+00	3.84E+00
9.68E-01	7.18E-01	4.83E-01	3.71E-01	4.86E-01	1.01E+00	3.89E+00
9.10E-01	6.28E-01	3.91E-01	3.27E-01	7.05E-01	9.84E-01	3.72E+00
8.60E-01	5.72E-01	3.76E-01	3.71E-01	4.40E-01	1.07E+00	3.92E+00
8.73E-01	5.63E-01	3.88E-01	3.29E-01	6.70E-01	9.90E-01	4.18E+00
9.29E-01	6.37E-01	4.90E-01	3.76E-01	8.43E-01	1.35E+00	3.87E+00
8.16E-01	4.25E-01	2.85E-01	3.82E-01	9.82E-01	1.51E+00	3.95E+00
8.49E-01	4.92E-01	3.74E-01	4.18E-01	9.51E-01	1.33E+00	4.11E+00
8.52E-01	4.79E-01	3.61E-01	3.12E-01	6.97E-01	1.02E+00	4.29E+00
7.46E-01	3.17E-01	2.94E-01	3.38E-01	6.02E-01	1.40E+00	4.46E+00

T VELO +5 vel m/s	T VELO +10 vel m/s	T VELO +15 vel m/s	T VELO +20 vel m/s	T VELO +25 vel m/s	T VELO +30 vel m/s	T VELO +35 vel m/s
3.51E-03	2.29E-03	3.43E-03	2.04E-03	1.99E-03	2.69E-03	1.25E-03
7.71E-01	7.55E-01	5.95E-01	6.46E-01	6.30E-01	6.22E-01	6.06E-01
7.74E-01	8.43E-01	4.02E-01	3.49E-01	4.70E-01	5.83E-01	6.28E-01
7.30E-01	1.43E+00	8.27E-01	5.29E-01	3.29E-01	2.69E-01	2.37E-01
4.43E-01	8.77E-01	1.27E+00	8.95E-01	6.59E-01	3.93E-01	2.79E-01
7.00E-01	8.97E-01	1.09E+00	8.78E-01	8.12E-01	6.20E-01	5.46E-01
9.96E-01	7.89E-01	1.02E+00	8.32E-01	7.49E-01	5.95E-01	5.81E-01
1.50E+00	8.77E-01	1.26E+00	1.11E+00	1.15E+00	9.59E-01	8.21E-01
1.39E+00	1.11E+00	1.38E+00	1.22E+00	1.25E+00	9.78E-01	8.30E-01
1.04E+00	1.16E+00	1.71E+00	1.35E+00	1.43E+00	1.19E+00	1.01E+00
1.19E+00	1.22E+00	1.90E+00	1.53E+00	1.56E+00	1.28E+00	1.12E+00
1.88E+00	1.44E+00	2.19E+00	1.67E+00	1.82E+00	1.41E+00	1.21E+00
2.22E+00	1.77E+00	1.87E+00	1.78E+00	1.87E+00	1.59E+00	1.44E+00
2.97E+00	2.03E+00	1.70E+00	1.74E+00	1.84E+00	1.61E+00	1.45E+00
3.28E+00	1.91E+00	1.45E+00	1.48E+00	1.86E+00	1.67E+00	1.48E+00
2.98E+00	1.73E+00	1.01E+00	1.52E+00	2.09E+00	1.84E+00	1.50E+00
2.74E+00	2.01E+00	1.16E+00	1.74E+00	2.14E+00	1.88E+00	1.56E+00
2.57E+00	1.46E+00	1.28E+00	1.79E+00	2.18E+00	1.81E+00	1.49E+00
2.19E+00	1.74E+00	2.34E+00	1.78E+00	1.86E+00	1.62E+00	1.46E+00
2.50E+00	1.81E+00	2.55E+00	1.89E+00	2.09E+00	1.84E+00	1.66E+00
2.55E+00	1.80E+00	2.54E+00	1.91E+00	2.13E+00	1.86E+00	1.68E+00
3.28E+00	2.12E+00	2.68E+00	2.08E+00	2.24E+00	1.91E+00	1.72E+00
3.01E+00	2.01E+00	2.27E+00	2.23E+00	2.51E+00	2.18E+00	1.93E+00
1.52E+00	2.42E+00	4.10E+00	2.99E+00	2.81E+00	2.71E+00	2.52E+00
1.14E+00	1.97E+00	4.05E+00	3.36E+00	2.79E+00	2.49E+00	2.43E+00
1.11E+00	2.71E+00	4.19E+00	4.14E+00	4.20E+00	4.12E+00	3.55E+00
1.55E+00	3.04E+00	3.52E+00	3.63E+00	3.82E+00	3.47E+00	2.87E+00
1.35E+00	2.69E+00	3.98E+00	3.90E+00	3.85E+00	3.92E+00	3.65E+00
1.43E+00	2.49E+00	3.92E+00	4.00E+00	3.87E+00	3.93E+00	3.85E+00
1.07E+00	1.94E+00	4.15E+00	4.53E+00	4.24E+00	4.23E+00	3.94E+00
8.59E-01	2.40E+00	2.59E+00	4.10E+00	4.28E+00	4.05E+00	3.81E+00
7.86E-01	2.60E+00	1.30E+00	2.31E+00	3.61E+00	3.67E+00	3.49E+00
8.77E-01	2.57E+00	1.93E+00	2.72E+00	3.48E+00	2.56E+00	1.66E+00
5.92E-01	1.86E+00	2.07E+00	2.28E+00	2.43E+00	2.24E+00	2.09E+00
1.05E+00	2.33E+00	2.87E+00	4.71E+00	4.02E+00	2.00E+00	1.89E+00
1.08E+00	1.46E+00	2.79E+00	5.76E+00	4.42E+00	2.19E+00	1.90E+00
9.98E-01	1.55E+00	2.81E+00	4.66E+00	3.04E+00	1.92E+00	1.79E+00
1.08E+00	1.97E+00	2.73E+00	3.90E+00	3.17E+00	2.38E+00	1.95E+00
9.90E-01	2.30E+00	2.05E+00	4.89E+00	4.05E+00	1.72E+00	2.00E+00
8.19E-01	2.29E+00	2.26E+00	5.23E+00	4.10E+00	2.11E+00	2.04E+00
9.30E-01	2.27E+00	2.42E+00	4.08E+00	3.45E+00	2.00E+00	1.99E+00
8.46E-01	1.74E+00	2.75E+00	4.91E+00	3.53E+00	2.00E+00	2.13E+00
8.95E-01	2.33E+00	3.10E+00	4.87E+00	4.26E+00	2.70E+00	2.18E+00
9.39E-01	1.90E+00	2.98E+00	4.08E+00	3.28E+00	2.32E+00	2.53E+00
8.76E-01	1.66E+00	2.61E+00	4.47E+00	3.75E+00	2.83E+00	2.51E+00
9.59E-01	1.60E+00	3.39E+00	4.10E+00	3.38E+00	2.82E+00	2.52E+00
1.05E+00	1.68E+00	4.57E+00	4.83E+00	3.70E+00	2.54E+00	2.09E+00
1.24E+00	1.20E+00	5.10E+00	4.98E+00	4.06E+00	2.79E+00	2.02E+00

1.04E+00	1.50E+00	4.74E+00	5.17E+00	4.64E+00	3.21E+00	2.04E+00
1.15E+00	1.76E+00	4.75E+00	4.95E+00	4.34E+00	2.90E+00	2.18E+00
1.08E+00	1.28E+00	5.03E+00	4.81E+00	4.00E+00	2.49E+00	2.03E+00
1.04E+00	1.29E+00	4.52E+00	4.35E+00	3.84E+00	2.68E+00	2.39E+00
1.08E+00	1.57E+00	4.36E+00	4.04E+00	3.43E+00	2.56E+00	2.62E+00
1.04E+00	1.57E+00	4.22E+00	4.12E+00	3.59E+00	2.63E+00	2.40E+00
9.83E-01	1.71E+00	4.24E+00	4.25E+00	3.87E+00	2.42E+00	2.14E+00
1.05E+00	1.58E+00	4.55E+00	4.62E+00	3.72E+00	2.42E+00	2.15E+00
1.06E+00	1.93E+00	4.01E+00	3.97E+00	3.56E+00	2.73E+00	2.51E+00
1.06E+00	1.70E+00	4.59E+00	4.26E+00	3.63E+00	2.43E+00	2.12E+00
1.05E+00	1.70E+00	4.22E+00	4.05E+00	3.61E+00	2.47E+00	2.32E+00
9.94E-01	2.47E+00	5.19E+00	4.44E+00	3.82E+00	2.23E+00	2.03E+00

T VELO +40 vel m/s	S VELO -40 vel m/s	S VELO -35 vel m/s	S VELO -30 vel m/s	S VELO -25 vel m/s	S VELO -20 vel m/s	S VELO -15 vel m/s
2.29E-03	9.44E-04	1.85E-03	4.63E-03	2.40E-03	9.07E-04	2.82E-03
5.91E-01	7.77E-01	7.52E-01	7.75E-01	8.01E-01	8.92E-01	8.32E-01
6.13E-01	6.07E-01	5.60E-01	5.63E-01	5.60E-01	5.46E-01	4.39E-01
2.22E-01	1.04E+00	9.86E-01	9.60E-01	9.46E-01	9.38E-01	8.87E-01
3.04E-01	1.31E+00	1.29E+00	1.26E+00	1.22E+00	1.13E+00	1.14E+00
5.24E-01	1.61E+00	1.61E+00	1.59E+00	1.57E+00	1.51E+00	1.50E+00
5.77E-01	1.91E+00	1.95E+00	1.94E+00	1.91E+00	1.90E+00	1.90E+00
6.82E-01	1.93E+00	1.95E+00	1.94E+00	1.92E+00	1.90E+00	1.89E+00
7.13E-01	2.04E+00	2.06E+00	2.06E+00	2.05E+00	2.03E+00	1.96E+00
7.90E-01	1.92E+00	1.93E+00	1.91E+00	1.90E+00	1.87E+00	1.80E+00
8.58E-01	1.92E+00	1.91E+00	1.88E+00	1.84E+00	1.76E+00	1.69E+00
9.02E-01	1.96E+00	1.95E+00	1.93E+00	1.91E+00	1.85E+00	1.77E+00
1.06E+00	2.16E+00	2.17E+00	2.17E+00	2.17E+00	2.21E+00	2.16E+00
1.08E+00	2.23E+00	2.25E+00	2.25E+00	2.25E+00	2.26E+00	2.22E+00
1.10E+00	2.28E+00	2.32E+00	2.34E+00	2.35E+00	2.36E+00	2.34E+00
1.08E+00	2.25E+00	2.30E+00	2.32E+00	2.33E+00	2.32E+00	2.34E+00
1.09E+00	2.23E+00	2.27E+00	2.29E+00	2.29E+00	2.28E+00	2.31E+00
1.06E+00	2.20E+00	2.25E+00	2.26E+00	2.26E+00	2.25E+00	2.25E+00
1.05E+00	2.10E+00	2.11E+00	2.09E+00	2.06E+00	1.99E+00	1.92E+00
1.17E+00	2.10E+00	2.07E+00	2.04E+00	2.00E+00	1.94E+00	1.82E+00
1.19E+00	2.04E+00	2.03E+00	2.02E+00	2.00E+00	1.95E+00	1.87E+00
1.20E+00	2.01E+00	2.00E+00	1.99E+00	1.96E+00	1.87E+00	1.78E+00
1.37E+00	2.10E+00	2.11E+00	2.10E+00	2.11E+00	2.11E+00	2.05E+00
1.78E+00	2.12E+00	2.17E+00	2.20E+00	2.25E+00	2.25E+00	2.24E+00
1.90E+00	2.05E+00	2.11E+00	2.15E+00	2.18E+00	2.16E+00	2.15E+00
1.93E+00	2.02E+00	2.08E+00	2.12E+00	2.14E+00	2.12E+00	2.11E+00
1.88E+00	1.95E+00	2.02E+00	2.05E+00	2.06E+00	2.04E+00	2.03E+00
2.42E+00	1.90E+00	1.96E+00	2.00E+00	2.03E+00	2.03E+00	2.02E+00
2.85E+00	2.01E+00	2.09E+00	2.13E+00	2.15E+00	2.15E+00	2.14E+00
2.69E+00	2.08E+00	2.16E+00	2.20E+00	2.24E+00	2.25E+00	2.25E+00
3.12E+00	2.17E+00	2.24E+00	2.30E+00	2.35E+00	2.37E+00	2.36E+00
2.42E+00	2.23E+00	2.29E+00	2.36E+00	2.43E+00	2.46E+00	2.44E+00
1.33E+00	2.15E+00	2.22E+00	2.31E+00	2.38E+00	2.40E+00	2.39E+00
1.51E+00	2.21E+00	2.25E+00	2.30E+00	2.35E+00	2.39E+00	2.36E+00
1.42E+00	2.13E+00	2.20E+00	2.26E+00	2.37E+00	2.42E+00	2.39E+00
1.43E+00	2.13E+00	2.20E+00	2.26E+00	2.34E+00	2.39E+00	2.35E+00
1.37E+00	2.09E+00	2.15E+00	2.21E+00	2.27E+00	2.32E+00	2.31E+00
1.40E+00	2.16E+00	2.23E+00	2.29E+00	2.34E+00	2.35E+00	2.32E+00
1.57E+00	2.21E+00	2.27E+00	2.33E+00	2.40E+00	2.48E+00	2.47E+00
1.73E+00	2.17E+00	2.24E+00	2.30E+00	2.37E+00	2.45E+00	2.42E+00
1.51E+00	2.18E+00	2.25E+00	2.32E+00	2.40E+00	2.46E+00	2.43E+00
1.59E+00	2.16E+00	2.24E+00	2.31E+00	2.38E+00	2.43E+00	2.41E+00
1.53E+00	2.22E+00	2.30E+00	2.35E+00	2.39E+00	2.41E+00	2.39E+00
1.91E+00	2.23E+00	2.31E+00	2.38E+00	2.46E+00	2.52E+00	2.49E+00
1.82E+00	2.20E+00	2.27E+00	2.33E+00	2.40E+00	2.49E+00	2.47E+00
1.58E+00	2.16E+00	2.23E+00	2.29E+00	2.34E+00	2.37E+00	2.36E+00
1.43E+00	2.17E+00	2.26E+00	2.33E+00	2.38E+00	2.40E+00	2.46E+00
1.48E+00	2.25E+00	2.33E+00	2.39E+00	2.44E+00	2.47E+00	2.53E+00

1.39E+00	2.23E+00	2.33E+00	2.39E+00	2.44E+00	2.47E+00	2.52E+00
1.46E+00	2.22E+00	2.31E+00	2.37E+00	2.41E+00	2.44E+00	2.48E+00
1.49E+00	2.25E+00	2.34E+00	2.40E+00	2.45E+00	2.48E+00	2.53E+00
1.60E+00	2.28E+00	2.38E+00	2.45E+00	2.50E+00	2.55E+00	2.57E+00
1.76E+00	2.26E+00	2.34E+00	2.40E+00	2.46E+00	2.51E+00	2.55E+00
1.61E+00	2.24E+00	2.33E+00	2.40E+00	2.45E+00	2.49E+00	2.53E+00
1.46E+00	2.27E+00	2.36E+00	2.42E+00	2.46E+00	2.49E+00	2.53E+00
1.46E+00	2.26E+00	2.36E+00	2.42E+00	2.47E+00	2.52E+00	2.55E+00
1.65E+00	2.25E+00	2.33E+00	2.39E+00	2.44E+00	2.48E+00	2.50E+00
1.46E+00	2.27E+00	2.36E+00	2.42E+00	2.48E+00	2.54E+00	2.55E+00
1.56E+00	2.25E+00	2.34E+00	2.40E+00	2.46E+00	2.51E+00	2.56E+00
1.41E+00	2.25E+00	2.34E+00	2.39E+00	2.43E+00	2.45E+00	2.48E+00

S VELO -10 vel m/s	S VELO -5 vel m/s	S VELO 0 vel m/s	S VELO +5 vel m/s	S VELO +10 vel m/s	S VELO +15 vel m/s	S VELO +20 vel m/s
2.38E-03	2.57E-03	3.66E-03	5.51E-03	6.48E-03	4.92E-03	3.13E-03
8.84E-01	8.86E-01	3.68E+00	1.34E+00	1.16E+00	1.04E+00	9.57E-01
4.34E-01	1.06E+00	3.19E+00	1.45E+00	1.37E+00	1.38E+00	1.48E+00
8.13E-01	5.59E-01	4.63E+00	1.04E+00	1.02E+00	1.04E+00	1.09E+00
1.02E+00	7.01E-01	3.88E+00	1.31E+00	9.94E-01	1.06E+00	1.17E+00
1.42E+00	1.37E+00	3.59E+00	1.45E+00	8.55E-01	9.66E-01	1.08E+00
1.86E+00	1.88E+00	4.01E+00	2.19E+00	5.39E-01	8.33E-01	9.40E-01
1.88E+00	1.89E+00	3.06E+00	1.87E+00	3.97E-01	6.68E-01	8.60E-01
1.92E+00	1.96E+00	3.41E+00	1.96E+00	4.90E-01	6.47E-01	7.98E-01
1.73E+00	1.82E+00	3.46E+00	1.34E+00	3.44E-01	5.42E-01	7.23E-01
1.66E+00	1.69E+00	2.99E+00	1.19E+00	2.66E-01	4.58E-01	5.55E-01
1.77E+00	1.79E+00	3.05E+00	1.27E+00	2.95E-01	4.39E-01	5.52E-01
2.14E+00	2.14E+00	3.18E+00	1.85E+00	3.26E-01	4.46E-01	5.95E-01
2.22E+00	2.21E+00	2.99E+00	3.13E+00	3.08E-01	4.21E-01	6.81E-01
2.36E+00	2.36E+00	2.97E+00	5.48E+00	2.70E-01	3.32E-01	7.25E-01
2.35E+00	2.34E+00	2.88E+00	6.80E+00	2.29E-01	2.21E-01	6.42E-01
2.30E+00	2.30E+00	2.78E+00	6.85E+00	1.93E-01	1.73E-01	5.48E-01
2.21E+00	2.20E+00	2.93E+00	4.32E+00	2.19E-01	2.42E-01	6.49E-01
1.85E+00	1.83E+00	2.82E+00	1.76E+00	2.62E-01	3.30E-01	6.01E-01
1.79E+00	1.72E+00	3.01E+00	1.37E+00	3.61E-01	2.02E-01	3.35E-01
1.82E+00	1.75E+00	3.01E+00	1.30E+00	2.47E-01	3.11E-01	4.35E-01
1.78E+00	1.62E+00	2.75E+00	1.41E+00	4.24E-01	1.50E-01	3.33E-01
2.06E+00	1.97E+00	2.76E+00	4.14E+00	3.56E-01	3.22E-01	3.08E-01
2.23E+00	2.21E+00	2.57E+00	6.14E+00	1.23E+00	4.74E-01	2.85E-01
2.15E+00	2.10E+00	2.33E+00	5.76E+00	1.74E+00	4.74E-01	3.68E-01
2.10E+00	2.02E+00	2.11E+00	5.59E+00	1.87E+00	5.27E-01	3.32E-01
2.01E+00	1.91E+00	1.99E+00	5.47E+00	1.06E+00	5.79E-01	2.68E-01
2.02E+00	1.94E+00	2.01E+00	5.43E+00	2.27E+00	5.94E-01	2.12E-01
2.15E+00	2.08E+00	2.12E+00	5.44E+00	3.58E+00	5.11E-01	2.14E-01
2.29E+00	2.23E+00	2.22E+00	5.05E+00	5.82E+00	4.06E-01	2.56E-01
2.39E+00	2.33E+00	2.20E+00	4.09E+00	6.28E+00	1.89E+00	4.58E-01
2.47E+00	2.44E+00	2.31E+00	3.51E+00	5.91E+00	6.23E+00	8.53E-01
2.41E+00	2.40E+00	2.21E+00	3.20E+00	5.14E+00	6.17E+00	1.14E+00
2.38E+00	2.36E+00	2.19E+00	3.17E+00	5.27E+00	4.23E+00	8.28E-01
2.42E+00	2.47E+00	2.39E+00	3.92E+00	6.50E+00	1.87E+00	2.79E-01
2.39E+00	2.41E+00	2.31E+00	4.64E+00	6.57E+00	9.69E-01	4.21E-01
2.37E+00	2.34E+00	2.34E+00	4.49E+00	6.37E+00	1.01E+00	5.45E-01
2.36E+00	2.35E+00	2.34E+00	4.55E+00	6.31E+00	1.11E+00	4.94E-01
2.52E+00	2.55E+00	2.49E+00	4.40E+00	6.73E+00	1.67E+00	2.87E-01
2.48E+00	2.50E+00	2.45E+00	4.39E+00	6.65E+00	1.80E+00	3.91E-01
2.51E+00	2.53E+00	2.58E+00	4.59E+00	6.90E+00	1.79E+00	3.78E-01
2.51E+00	2.50E+00	2.56E+00	4.89E+00	6.97E+00	1.09E+00	4.47E-01
2.48E+00	2.51E+00	2.52E+00	4.95E+00	6.79E+00	1.44E+00	6.75E-01
2.59E+00	2.60E+00	2.62E+00	4.82E+00	7.05E+00	1.31E+00	3.16E-01
2.55E+00	2.59E+00	2.62E+00	4.96E+00	6.87E+00	1.33E+00	3.97E-01
2.44E+00	2.41E+00	2.55E+00	5.04E+00	6.26E+00	8.93E-01	4.81E-01
2.52E+00	2.48E+00	2.76E+00	5.62E+00	4.65E+00	4.74E-01	6.02E-01
2.61E+00	2.57E+00	2.86E+00	5.69E+00	4.96E+00	2.91E-01	4.18E-01

2.57E+00	2.53E+00	2.79E+00	5.67E+00	4.49E+00	3.28E-01	5.18E-01
2.52E+00	2.47E+00	2.81E+00	5.72E+00	3.65E+00	2.99E-01	5.90E-01
2.58E+00	2.53E+00	2.87E+00	5.83E+00	3.83E+00	3.33E-01	4.99E-01
2.65E+00	2.62E+00	2.89E+00	5.98E+00	3.78E+00	5.21E-01	3.71E-01
2.63E+00	2.58E+00	2.90E+00	5.78E+00	4.73E+00	3.26E-01	3.92E-01
2.58E+00	2.58E+00	2.90E+00	5.85E+00	2.74E+00	2.37E-01	3.95E-01
2.59E+00	2.54E+00	2.85E+00	6.15E+00	2.34E+00	2.59E-01	5.29E-01
2.63E+00	2.59E+00	2.79E+00	5.82E+00	2.90E+00	4.06E-01	5.09E-01
2.57E+00	2.52E+00	2.72E+00	5.82E+00	2.20E+00	3.45E-01	3.79E-01
2.63E+00	2.57E+00	2.74E+00	5.98E+00	2.61E+00	3.26E-01	5.12E-01
2.64E+00	2.54E+00	2.82E+00	6.15E+00	2.69E+00	3.31E-01	5.29E-01
2.53E+00	2.50E+00	2.98E+00	6.37E+00	1.51E+00	3.33E-01	4.43E-01

S VELO +25 vel m/s	S VELO +30 vel m/s	S VELO +35 vel m/s	S VELO +40 vel m/s	B VELO -40 vel m/s	B VELO -35 vel m/s	B VELO -30 vel m/s
1.76E-03	2.60E-03	4.74E-03	3.34E-03	3.80E-03	2.82E-03	2.28E-03
9.59E-01	9.30E-01	9.02E-01	9.40E-01	8.14E-01	7.91E-01	8.13E-01
1.58E+00	1.62E+00	1.60E+00	1.73E+00	6.91E-01	6.83E-01	7.15E-01
1.15E+00	1.20E+00	1.25E+00	1.35E+00	9.78E-01	9.47E-01	9.67E-01
1.25E+00	1.30E+00	1.33E+00	1.37E+00	1.05E+00	1.01E+00	9.95E-01
1.17E+00	1.24E+00	1.29E+00	1.33E+00	1.27E+00	1.23E+00	1.22E+00
1.09E+00	1.14E+00	1.18E+00	1.21E+00	1.64E+00	1.58E+00	1.55E+00
1.05E+00	1.13E+00	1.17E+00	1.23E+00	1.56E+00	1.47E+00	1.42E+00
9.33E-01	1.04E+00	1.10E+00	1.16E+00	1.68E+00	1.61E+00	1.58E+00
8.62E-01	9.94E-01	1.05E+00	1.08E+00	1.44E+00	1.35E+00	1.31E+00
7.02E-01	8.26E-01	9.18E-01	9.95E-01	1.43E+00	1.32E+00	1.26E+00
6.55E-01	7.74E-01	8.93E-01	9.91E-01	1.44E+00	1.35E+00	1.30E+00
6.58E-01	7.49E-01	8.84E-01	1.01E+00	1.68E+00	1.63E+00	1.63E+00
7.31E-01	8.53E-01	9.76E-01	1.06E+00	1.85E+00	1.78E+00	1.76E+00
8.12E-01	9.07E-01	1.02E+00	1.11E+00	1.96E+00	1.91E+00	1.91E+00
8.23E-01	9.38E-01	1.05E+00	1.14E+00	1.97E+00	1.92E+00	1.93E+00
7.49E-01	8.83E-01	1.01E+00	1.09E+00	1.96E+00	1.91E+00	1.91E+00
8.27E-01	9.72E-01	1.11E+00	1.21E+00	1.94E+00	1.90E+00	1.89E+00
6.31E-01	7.16E-01	8.41E-01	9.53E-01	1.70E+00	1.60E+00	1.54E+00
4.49E-01	5.49E-01	7.05E-01	8.64E-01	1.52E+00	1.41E+00	1.34E+00
5.43E-01	6.13E-01	7.71E-01	9.46E-01	1.47E+00	1.39E+00	1.34E+00
4.12E-01	4.87E-01	6.18E-01	7.54E-01	1.46E+00	1.37E+00	1.32E+00
3.85E-01	4.43E-01	5.63E-01	7.36E-01	1.53E+00	1.47E+00	1.45E+00
4.38E-01	4.69E-01	5.58E-01	7.38E-01	1.80E+00	1.81E+00	1.88E+00
4.88E-01	5.34E-01	6.47E-01	8.17E-01	1.88E+00	1.90E+00	1.96E+00
4.56E-01	5.19E-01	5.96E-01	7.66E-01	1.87E+00	1.89E+00	1.95E+00
3.84E-01	4.89E-01	5.83E-01	7.51E-01	1.82E+00	1.82E+00	1.86E+00
3.60E-01	4.13E-01	4.27E-01	5.57E-01	1.72E+00	1.73E+00	1.79E+00
3.44E-01	4.03E-01	3.94E-01	5.42E-01	1.93E+00	1.95E+00	2.02E+00
2.74E-01	3.20E-01	3.00E-01	4.27E-01	1.97E+00	1.99E+00	2.07E+00
1.80E-01	2.06E-01	2.42E-01	3.40E-01	2.05E+00	2.09E+00	2.19E+00
3.82E-01	3.79E-01	4.26E-01	7.21E-01	2.08E+00	2.11E+00	2.24E+00
1.06E+00	6.26E-01	5.29E-01	6.83E-01	2.02E+00	2.08E+00	2.24E+00
4.45E-01	4.56E-01	5.55E-01	6.99E-01	2.01E+00	2.01E+00	2.10E+00
2.20E-01	3.43E-01	5.06E-01	6.90E-01	1.92E+00	1.97E+00	2.12E+00
4.68E-01	6.09E-01	8.26E-01	1.00E+00	2.03E+00	2.05E+00	2.17E+00
5.93E-01	7.81E-01	8.19E-01	8.93E-01	1.97E+00	2.00E+00	2.10E+00
5.23E-01	5.75E-01	6.27E-01	7.60E-01	2.08E+00	2.10E+00	2.20E+00
2.73E-01	4.00E-01	5.92E-01	6.74E-01	2.05E+00	2.07E+00	2.18E+00
2.94E-01	4.65E-01	6.69E-01	8.87E-01	2.04E+00	2.08E+00	2.19E+00
2.27E-01	3.80E-01	6.78E-01	8.86E-01	2.09E+00	2.12E+00	2.24E+00
4.22E-01	6.16E-01	8.57E-01	1.05E+00	2.10E+00	2.13E+00	2.25E+00
7.22E-01	7.44E-01	7.80E-01	9.28E-01	2.17E+00	2.19E+00	2.29E+00
2.65E-01	3.69E-01	5.85E-01	8.80E-01	2.11E+00	2.14E+00	2.27E+00
4.37E-01	6.79E-01	8.23E-01	9.45E-01	2.09E+00	2.12E+00	2.23E+00
7.61E-01	8.77E-01	7.18E-01	9.49E-01	2.10E+00	2.11E+00	2.20E+00
7.76E-01	9.12E-01	1.07E+00	1.20E+00	2.15E+00	2.19E+00	2.31E+00
7.99E-01	9.70E-01	1.14E+00	1.27E+00	2.19E+00	2.23E+00	2.35E+00

7.87E-01	9.06E-01	1.05E+00	1.19E+00	2.18E+00	2.22E+00	2.35E+00
8.59E-01	9.48E-01	1.09E+00	1.24E+00	2.17E+00	2.20E+00	2.30E+00
7.77E-01	8.83E-01	1.04E+00	1.17E+00	2.19E+00	2.23E+00	2.33E+00
6.62E-01	8.21E-01	9.80E-01	1.16E+00	2.22E+00	2.26E+00	2.37E+00
5.82E-01	7.15E-01	8.70E-01	1.06E+00	2.18E+00	2.21E+00	2.32E+00
6.77E-01	8.34E-01	9.91E-01	1.12E+00	2.19E+00	2.22E+00	2.34E+00
7.59E-01	8.85E-01	1.08E+00	1.23E+00	2.25E+00	2.27E+00	2.37E+00
7.05E-01	8.11E-01	1.01E+00	1.15E+00	2.21E+00	2.23E+00	2.33E+00
7.38E-01	8.80E-01	1.04E+00	1.15E+00	2.20E+00	2.23E+00	2.33E+00
6.80E-01	8.06E-01	1.00E+00	1.16E+00	2.22E+00	2.25E+00	2.37E+00
7.38E-01	8.60E-01	1.02E+00	1.21E+00	2.20E+00	2.23E+00	2.34E+00
7.12E-01	8.88E-01	1.04E+00	1.17E+00	2.21E+00	2.22E+00	2.30E+00

B VELO -25 vel m/s	B VELO -20 vel m/s	B VELO -15 vel m/s	B VELO -10 vel m/s	B VELO -5 vel m/s	B VELO 0 vel m/s	B VELO +5 vel m/s
2.91E-03	1.44E-03	1.02E-02	2.71E-03	8.17E-03	3.31E-03	2.73E-03
8.65E-01	8.72E-01	9.16E-01	1.06E+00	1.51E+00	1.72E+00	1.67E+00
7.35E-01	7.65E-01	8.12E-01	9.78E-01	1.62E+00	1.55E+00	1.39E+00
1.01E+00	1.11E+00	1.23E+00	1.46E+00	1.80E+00	1.73E+00	1.45E+00
9.97E-01	1.05E+00	1.13E+00	1.32E+00	1.63E+00	1.39E+00	1.68E+00
1.23E+00	1.27E+00	1.31E+00	1.53E+00	1.92E+00	2.64E+00	1.61E+00
1.52E+00	1.52E+00	1.52E+00	1.66E+00	1.92E+00	2.78E+00	1.65E+00
1.37E+00	1.32E+00	1.29E+00	1.39E+00	1.68E+00	2.56E+00	1.66E+00
1.54E+00	1.49E+00	1.44E+00	1.53E+00	1.79E+00	2.14E+00	1.66E+00
1.27E+00	1.22E+00	1.19E+00	1.35E+00	1.71E+00	1.81E+00	1.63E+00
1.20E+00	1.11E+00	1.07E+00	1.22E+00	1.58E+00	1.41E+00	1.59E+00
1.26E+00	1.21E+00	1.19E+00	1.37E+00	1.74E+00	1.68E+00	1.60E+00
1.62E+00	1.62E+00	1.57E+00	1.66E+00	1.91E+00	2.68E+00	1.63E+00
1.73E+00	1.71E+00	1.65E+00	1.71E+00	1.92E+00	2.69E+00	1.44E+00
1.91E+00	1.91E+00	1.87E+00	1.95E+00	2.12E+00	2.98E+00	1.49E+00
1.93E+00	1.94E+00	1.91E+00	2.00E+00	2.21E+00	2.57E+00	1.15E+00
1.90E+00	1.92E+00	1.89E+00	1.97E+00	2.19E+00	2.58E+00	1.08E+00
1.88E+00	1.87E+00	1.81E+00	1.85E+00	2.05E+00	2.57E+00	1.58E+00
1.46E+00	1.34E+00	1.23E+00	1.30E+00	1.60E+00	1.45E+00	1.71E+00
1.26E+00	1.14E+00	1.07E+00	1.26E+00	1.72E+00	1.37E+00	1.70E+00
1.28E+00	1.20E+00	1.12E+00	1.28E+00	1.70E+00	1.33E+00	1.79E+00
1.25E+00	1.14E+00	1.08E+00	1.29E+00	1.72E+00	1.57E+00	1.74E+00
1.42E+00	1.41E+00	1.37E+00	1.57E+00	2.02E+00	1.69E+00	1.34E+00
1.93E+00	1.95E+00	1.90E+00	2.03E+00	2.35E+00	2.50E+00	2.26E+00
1.99E+00	1.99E+00	1.94E+00	2.07E+00	2.35E+00	2.70E+00	2.62E+00
1.96E+00	1.95E+00	1.88E+00	1.98E+00	2.25E+00	2.66E+00	2.73E+00
1.87E+00	1.84E+00	1.78E+00	1.88E+00	2.17E+00	2.44E+00	2.13E+00
1.80E+00	1.80E+00	1.74E+00	1.87E+00	2.17E+00	2.65E+00	2.80E+00
2.04E+00	2.04E+00	1.98E+00	2.07E+00	2.31E+00	2.79E+00	3.18E+00
2.11E+00	2.13E+00	2.07E+00	2.16E+00	2.38E+00	3.00E+00	3.80E+00
2.26E+00	2.29E+00	2.22E+00	2.29E+00	2.45E+00	3.15E+00	4.28E+00
2.35E+00	2.39E+00	2.32E+00	2.38E+00	2.54E+00	3.32E+00	4.79E+00
2.34E+00	2.37E+00	2.29E+00	2.34E+00	2.51E+00	3.25E+00	4.61E+00
2.19E+00	2.22E+00	2.16E+00	2.22E+00	2.40E+00	2.95E+00	4.27E+00
2.26E+00	2.33E+00	2.28E+00	2.38E+00	2.59E+00	3.32E+00	4.55E+00
2.28E+00	2.34E+00	2.28E+00	2.38E+00	2.54E+00	3.22E+00	4.17E+00
2.19E+00	2.27E+00	2.25E+00	2.34E+00	2.49E+00	3.11E+00	4.09E+00
2.27E+00	2.30E+00	2.24E+00	2.31E+00	2.46E+00	3.04E+00	4.06E+00
2.30E+00	2.41E+00	2.39E+00	2.48E+00	2.64E+00	3.42E+00	4.65E+00
2.31E+00	2.41E+00	2.38E+00	2.49E+00	2.63E+00	3.37E+00	4.59E+00
2.36E+00	2.45E+00	2.44E+00	2.56E+00	2.70E+00	3.47E+00	4.76E+00
2.37E+00	2.46E+00	2.46E+00	2.60E+00	2.72E+00	3.42E+00	4.48E+00
2.37E+00	2.43E+00	2.43E+00	2.57E+00	2.70E+00	3.32E+00	4.33E+00
2.41E+00	2.53E+00	2.53E+00	2.68E+00	2.79E+00	3.49E+00	4.71E+00
2.34E+00	2.45E+00	2.44E+00	2.59E+00	2.73E+00	3.38E+00	4.52E+00
2.28E+00	2.34E+00	2.32E+00	2.44E+00	2.57E+00	3.17E+00	4.00E+00
2.40E+00	2.50E+00	2.51E+00	2.59E+00	2.68E+00	3.06E+00	3.60E+00
2.45E+00	2.57E+00	2.60E+00	2.69E+00	2.77E+00	3.08E+00	3.67E+00

2.45E+00	2.56E+00	2.56E+00	2.64E+00	2.71E+00	3.05E+00	3.66E+00
2.38E+00	2.47E+00	2.46E+00	2.52E+00	2.63E+00	2.92E+00	3.35E+00
2.42E+00	2.53E+00	2.53E+00	2.61E+00	2.69E+00	2.96E+00	3.52E+00
2.47E+00	2.58E+00	2.59E+00	2.68E+00	2.76E+00	3.05E+00	3.65E+00
2.43E+00	2.56E+00	2.58E+00	2.66E+00	2.73E+00	3.09E+00	3.70E+00
2.44E+00	2.55E+00	2.55E+00	2.63E+00	2.71E+00	3.01E+00	3.56E+00
2.45E+00	2.55E+00	2.54E+00	2.61E+00	2.67E+00	2.89E+00	3.26E+00
2.41E+00	2.51E+00	2.51E+00	2.60E+00	2.68E+00	2.97E+00	3.56E+00
2.41E+00	2.50E+00	2.50E+00	2.57E+00	2.69E+00	2.84E+00	3.21E+00
2.47E+00	2.57E+00	2.56E+00	2.63E+00	2.70E+00	2.86E+00	3.30E+00
2.43E+00	2.54E+00	2.54E+00	2.61E+00	2.67E+00	2.81E+00	3.13E+00
2.36E+00	2.42E+00	2.40E+00	2.46E+00	2.58E+00	2.72E+00	2.81E+00

B VELO +10 vel m/s	B VELO +15 vel m/s	B VELO +20 vel m/s	B VELO +25 vel m/s	B VELO +30 vel m/s	B VELO +35 vel m/s	B VELO +40 vel m/s
1.02E-03	7.32E-03	6.87E-03	2.98E-03	1.52E-03	5.62E-03	3.44E-03
1.17E+00	1.06E+00	9.62E-01	9.45E-01	9.28E-01	9.10E-01	8.27E-01
1.19E+00	1.19E+00	1.27E+00	1.36E+00	1.44E+00	1.52E+00	1.53E+00
4.84E-01	3.53E-01	3.95E-01	4.71E-01	5.72E-01	7.02E-01	8.56E-01
6.50E-01	5.50E-01	5.80E-01	6.44E-01	6.88E-01	7.53E-01	8.24E-01
6.06E-01	4.77E-01	5.18E-01	5.80E-01	6.43E-01	7.22E-01	8.25E-01
8.13E-01	4.76E-01	4.54E-01	4.91E-01	5.15E-01	5.54E-01	6.28E-01
7.83E-01	6.61E-01	6.50E-01	6.09E-01	5.77E-01	5.98E-01	6.75E-01
8.15E-01	5.96E-01	6.01E-01	5.48E-01	5.26E-01	5.59E-01	6.71E-01
7.03E-01	6.44E-01	6.40E-01	5.86E-01	5.47E-01	5.53E-01	6.38E-01
7.32E-01	6.28E-01	6.08E-01	5.45E-01	4.89E-01	5.00E-01	6.02E-01
7.54E-01	6.99E-01	7.09E-01	6.45E-01	5.61E-01	5.29E-01	5.92E-01
9.09E-01	7.36E-01	7.64E-01	7.24E-01	6.78E-01	6.57E-01	6.78E-01
1.07E+00	6.95E-01	7.05E-01	6.56E-01	6.01E-01	5.85E-01	6.76E-01
1.34E+00	6.81E-01	6.82E-01	6.54E-01	6.19E-01	6.30E-01	7.34E-01
1.36E+00	6.34E-01	6.48E-01	5.97E-01	5.38E-01	5.46E-01	6.70E-01
1.39E+00	6.42E-01	6.38E-01	5.98E-01	5.32E-01	5.43E-01	6.63E-01
1.15E+00	6.68E-01	7.02E-01	6.99E-01	6.72E-01	6.73E-01	7.70E-01
7.99E-01	7.31E-01	6.89E-01	6.21E-01	5.16E-01	4.73E-01	5.71E-01
7.50E-01	6.69E-01	6.89E-01	6.45E-01	5.87E-01	5.62E-01	6.24E-01
8.32E-01	7.41E-01	7.50E-01	7.31E-01	7.05E-01	6.78E-01	7.21E-01
7.43E-01	6.64E-01	6.98E-01	6.43E-01	5.47E-01	5.07E-01	5.74E-01
1.10E+00	6.83E-01	6.99E-01	6.94E-01	6.80E-01	6.60E-01	6.85E-01
1.49E+00	7.55E-01	7.22E-01	7.14E-01	6.84E-01	6.59E-01	7.08E-01
1.42E+00	8.55E-01	7.78E-01	7.60E-01	7.60E-01	7.59E-01	8.15E-01
1.35E+00	9.11E-01	7.62E-01	7.57E-01	7.76E-01	7.87E-01	8.39E-01
1.45E+00	7.12E-01	7.21E-01	7.08E-01	7.11E-01	7.23E-01	7.97E-01
1.22E+00	8.66E-01	7.85E-01	7.68E-01	7.44E-01	7.65E-01	8.36E-01
1.16E+00	1.15E+00	7.96E-01	7.89E-01	7.96E-01	8.19E-01	8.91E-01
1.39E+00	1.57E+00	8.76E-01	8.59E-01	8.51E-01	8.72E-01	9.48E-01
3.29E+00	1.38E+00	9.65E-01	9.07E-01	8.75E-01	8.88E-01	9.56E-01
5.03E+00	2.98E+00	1.28E+00	1.12E+00	1.13E+00	1.08E+00	1.08E+00
4.87E+00	3.48E+00	1.51E+00	1.52E+00	1.48E+00	1.36E+00	1.41E+00
4.44E+00	2.54E+00	1.27E+00	1.13E+00	1.09E+00	1.10E+00	1.19E+00
3.77E+00	1.63E+00	1.16E+00	8.62E-01	7.89E-01	7.49E-01	7.84E-01
2.75E+00	1.50E+00	1.04E+00	9.17E-01	9.32E-01	8.88E-01	9.28E-01
2.50E+00	1.66E+00	1.63E+00	1.49E+00	1.33E+00	1.21E+00	1.18E+00
2.53E+00	1.44E+00	1.20E+00	1.15E+00	1.06E+00	1.05E+00	1.18E+00
3.84E+00	1.84E+00	1.03E+00	8.90E-01	8.66E-01	8.77E-01	9.74E-01
3.73E+00	1.74E+00	1.44E+00	1.19E+00	1.03E+00	8.84E-01	8.94E-01
3.98E+00	1.57E+00	1.28E+00	1.01E+00	8.81E-01	7.63E-01	8.14E-01
3.00E+00	1.86E+00	1.27E+00	1.15E+00	1.03E+00	9.48E-01	9.70E-01
2.65E+00	1.40E+00	1.28E+00	1.25E+00	1.22E+00	1.17E+00	1.25E+00
3.47E+00	1.84E+00	8.98E-01	8.08E-01	7.74E-01	7.11E-01	8.02E-01
3.26E+00	1.93E+00	9.45E-01	8.91E-01	8.55E-01	8.25E-01	8.55E-01
1.92E+00	1.54E+00	9.84E-01	9.42E-01	1.00E+00	1.20E+00	1.25E+00
9.38E-01	1.46E+00	1.16E+00	1.11E+00	9.96E-01	9.70E-01	1.07E+00
8.39E-01	1.29E+00	6.89E-01	6.97E-01	7.31E-01	7.82E-01	9.52E-01

1.25E+00	1.25E+00	7.22E-01	7.14E-01	7.31E-01	7.64E-01	8.80E-01
1.02E+00	1.09E+00	7.58E-01	7.59E-01	7.50E-01	7.39E-01	8.46E-01
1.03E+00	1.07E+00	6.45E-01	6.29E-01	6.42E-01	6.81E-01	8.14E-01
1.39E+00	1.32E+00	7.06E-01	6.65E-01	6.70E-01	6.73E-01	7.74E-01
1.38E+00	1.34E+00	6.97E-01	6.88E-01	6.94E-01	6.95E-01	7.86E-01
9.37E-01	1.25E+00	7.25E-01	6.76E-01	6.92E-01	7.22E-01	8.09E-01
1.03E+00	1.15E+00	6.93E-01	6.55E-01	6.47E-01	6.59E-01	7.99E-01
1.15E+00	1.27E+00	7.27E-01	6.74E-01	6.56E-01	6.57E-01	7.65E-01
1.32E+00	1.13E+00	6.60E-01	6.26E-01	6.26E-01	6.36E-01	7.59E-01
1.15E+00	1.20E+00	7.23E-01	6.60E-01	6.49E-01	6.71E-01	7.77E-01
1.32E+00	1.16E+00	7.19E-01	6.96E-01	6.89E-01	7.05E-01	8.30E-01
1.45E+00	9.80E-01	6.51E-01	6.06E-01	6.09E-01	6.35E-01	7.61E-01