

**Speed of Sound Measurements in (Argon + Carbon Dioxide) over the
Temperature Range from (275 to 500) K at Pressures up to 8 MPa**

SUPPLEMENTAL DATA

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Table S1. Experimental (p, c, T, x) data for Ar/CO₂ ($x_{\text{CO}_2} = 0.50104$, mole fraction), relative deviations of the experimental data c_{exp} from speeds of sound c_{EOS} calculated with the EOS-CG equation of state of Gernert and Span [2], and the combined expanded uncertainty U_c ($k = 2$) of the speed of sound measurements are listed; p is the pressure and T is the temperature (ITS-90). The standard uncertainty in temperature was less than 20 mK and the standard uncertainty in pressure was $(20 \cdot 10^{-6} \cdot p + 0.15 \text{ kPa})$ for $p < 5 \text{ MPa}$ and $(20 \cdot 10^{-6} \cdot p + 1.0 \text{ kPa})$ for $p > 5 \text{ MPa}$. All experimental values are listed; values written in italics are regarded as outliers.

p / MPa	T / K	$c_{\text{exp}} / \text{m s}^{-1}$	$100 \left(\frac{c_{\text{exp}} - c_{\text{EOS}}}{c_{\text{EOS}}} \right)$	$U_c(c) \text{ } c^{-1} / \%$
		<i>f(1, 1)</i>		
8.21766	275.005	253.781	-0.6290	0.0547
8.21701	274.997	253.772	-0.6297	0.0547
8.21659	274.998	253.766	-0.6326	0.0547
8.21562	274.998	253.746	-0.6400	0.0547
8.21539	274.991	253.746	-0.6376	0.0547
8.21533	274.994	253.746	-0.6387	0.0547
6.07288	274.985	257.997	-0.1964	0.0494
6.07319	274.994	258.008	-0.1945	0.0494
6.07324	274.987	258.010	-0.1916	0.0494
6.07352	274.992	258.016	-0.1906	0.0494

6.07362	274.996	258.021	-0.1897	0.0494
6.07355	274.991	258.023	-0.1872	0.0494
4.02312	274.987	263.852	-0.0282	0.0455
4.02325	274.994	263.855	-0.0287	0.0455
4.02327	274.989	263.858	-0.0263	0.0455
2.00654	275.004	270.443	0.0038	0.0429
2.00650	274.998	270.444	0.0053	0.0429
2.00649	275.006	270.445	0.0040	0.0429
2.00639	275.001	270.446	0.0055	0.0429
2.00637	274.999	270.442	0.0042	0.0430
2.00637	275.006	270.445	0.0039	0.0429
0.102475	274.990	276.984	-0.0273	0.0453
0.102491	274.986	276.927	-0.0470	0.0453
0.102506	274.994	276.960	-0.0363	0.0453
0.102551	274.993	275.506	-0.5610	0.0453
0.102560	274.989	275.442	-0.5833	0.0453
0.102570	274.996	275.451	-0.5812	0.0453

$f(0, 3)$

8.21652	275.001	254.203	-0.4620	0.0604
8.21599	274.996	254.194	-0.4644	0.0547
8.21568	275.001	254.177	-0.4729	0.0588
8.21474	274.994	254.196	-0.4629	0.0552
8.21455	274.991	254.160	-0.4760	0.0907
8.21458	274.998	254.165	-0.4763	0.0563
6.07254	274.992	257.968	-0.2099	0.0498
6.07270	274.990	257.969	-0.2085	0.0497
6.07278	274.987	257.970	-0.2070	0.0507
6.07305	274.995	257.987	-0.2030	0.0515
6.07307	274.994	258.005	-0.1954	0.0532
6.07301	274.989	258.018	-0.1890	0.0712
4.02289	274.993	263.911	-0.0074	0.0465
4.02295	274.992	263.862	-0.0256	0.0488
4.02296	274.987	263.906	-0.0077	0.0461
2.00636	274.999	270.599	0.0625	0.0430
2.00633	275.002	270.575	0.0530	0.0523
2.00632	275.007	270.699	0.0976	0.0969
2.00622	274.998	270.600	0.0629	0.0435
2.00622	275.004	270.617	0.0679	0.0471
2.00621	275.004	270.575	0.0524	0.0550
0.102477	274.986	289.226	4.3923	0.5227
0.102492	274.991	289.343	4.4336	0.4540
0.102506	274.994	289.733	4.5737	0.2228
0.102548	274.989	290.076	4.6985	0.2344

0.102557	274.992	289.980	4.6634	0.2480
0.102567	274.997	290.035	4.6826	0.2308
	<hr/> $f(0, 4)$ <hr/>			
8.21645	275.000	254.174	-0.4732	0.0564
8.21593	274.997	254.164	-0.4761	0.0553
8.21567	275.002	254.137	-0.4885	0.0574
8.21469	274.993	254.178	-0.4695	0.0547
8.21455	274.992	254.167	-0.4732	0.0553
8.21459	274.998	254.185	-0.4684	0.0566
6.07258	274.993	257.952	-0.2164	0.0541
6.07270	274.989	257.938	-0.2205	0.0499
6.07280	274.987	257.982	-0.2028	0.0495
6.07309	274.996	257.963	-0.2124	0.0526
6.07306	274.993	257.968	-0.2097	0.0506
6.07302	274.989	257.964	-0.2098	0.0522
4.02289	274.994	263.925	-0.0025	0.0500
4.02297	274.991	263.921	-0.0030	0.0487
4.02298	274.987	263.925	-0.0006	0.0506
2.00635	274.998	270.610	0.0667	0.0976
2.00633	275.004	270.621	0.0697	0.0729
2.00632	275.006	270.630	0.0725	0.0454
2.00622	274.998	270.657	0.0840	0.0709
2.00622	275.005	270.606	0.0637	0.0901
2.00621	275.003	270.568	0.0501	0.0435
0.102478	274.985	287.882	3.9072	0.4819
0.102494	274.992	287.911	3.9164	0.5156
0.102507	274.993	288.047	3.9654	0.4619
0.102550	274.989	287.424	3.7415	0.5201
0.102558	274.993	287.418	3.7384	0.5151
0.102568	274.996	287.473	3.7579	0.5055
	<hr/> $f(1, 1)$ <hr/>			
8.16934	299.824	275.099	-0.1091	0.0538
8.17003	299.841	275.105	-0.1115	0.0538
8.17028	299.835	275.139	-0.0975	0.0538
8.17111	299.851	275.145	-0.0995	0.0538
8.17107	299.845	275.150	-0.0960	0.0538
8.17118	299.853	275.149	-0.0987	0.0538
8.17109	299.848	275.132	-0.1034	0.0538
8.17109	299.852	275.140	-0.1017	0.0538
8.17117	299.856	275.151	-0.0984	0.0538
7.65986	299.979	275.449	-0.0611	0.0525
7.65952	299.971	275.449	-0.0591	0.0525
7.65910	299.960	275.439	-0.0600	0.0525

7.65876	299.952	275.439	-0.0579	0.0525
7.65834	299.942	275.423	-0.0611	0.0525
7.65801	299.934	275.423	-0.0592	0.0525
6.00768	299.945	276.809	-0.0010	0.0488
6.00783	299.943	276.816	0.0020	0.0488
6.00795	299.948	276.815	0.0006	0.0488
6.00802	299.947	276.825	0.0044	0.0488
6.00805	299.954	276.826	0.0031	0.0488
6.00802	299.950	276.827	0.0046	0.0488
4.02072	299.943	279.769	0.0278	0.0452
4.02079	299.948	279.775	0.0289	0.0452
4.02080	299.944	279.774	0.0291	0.0452
1.98693	299.941	283.784	-0.0007	0.0428
1.98697	299.946	283.785	-0.0011	0.0428
1.98699	299.947	283.786	-0.0011	0.0428
0.494298	299.948	287.204	-0.0355	0.0424
0.494316	299.942	287.324	0.0073	0.0423
0.494341	299.951	287.236	-0.0246	0.0424
0.494391	299.947	287.321	0.0056	0.0423
0.494404	299.954	287.234	-0.0260	0.0425
0.494411	299.948	287.277	-0.0100	0.0424

$f(0, 3)$

8.16876	299.827	274.970	-0.1568	0.0567
8.16940	299.840	275.017	-0.1432	0.0696
8.16967	299.836	275.067	-0.1237	0.0610
8.17043	299.851	275.049	-0.1341	0.0539
8.17042	299.845	275.043	-0.1349	0.0538
8.17053	299.853	275.048	-0.1351	0.0539
8.17042	299.848	275.064	-0.1278	0.0603
8.17043	299.853	275.019	-0.1457	0.0538
8.17051	299.855	275.104	-0.1153	0.0547
7.65880	299.969	275.415	-0.0708	0.0536
7.65836	299.958	275.415	-0.0680	0.0536
7.65802	299.950	275.353	-0.0883	0.0547
7.65761	299.939	275.353	-0.0858	0.0547
7.65729	299.931	275.363	-0.0802	0.0544
6.00726	299.947	276.834	0.0075	0.0538
6.00736	299.942	276.818	0.0028	0.0490
6.00751	299.950	276.818	0.0011	0.0493
6.00755	299.947	276.835	0.0079	0.0493
6.00758	299.954	276.798	-0.0073	0.0562
6.00756	299.949	276.823	0.0031	0.0488
4.02043	299.945	279.860	0.0599	0.0452

4.02050	299.947	279.829	0.0484	0.0451
4.02053	299.945	279.825	0.0472	0.0493
1.98679	299.940	283.882	0.0339	0.0709
1.98684	299.947	283.885	0.0337	0.0737
1.98684	299.946	283.879	0.0319	0.0702
0.494267	299.948	291.752	1.5478	0.0435
0.494286	299.943	291.725	1.5391	0.0452
0.494310	299.952	291.731	1.5398	0.0505
0.494360	299.948	291.722	1.5373	0.0465
0.494372	299.954	291.726	1.5377	0.0470
0.494378	299.947	291.723	1.5377	0.0436
		$f(0, 4)$		
8.16888	299.831	275.035	-0.1342	0.0539
8.16944	299.839	275.048	-0.1317	0.0792
8.16973	299.837	274.955	-0.1647	0.0720
8.17043	299.850	275.029	-0.1413	0.0552
8.17043	299.845	275.039	-0.1365	0.0539
8.17054	299.853	275.034	-0.1403	0.0728
8.17040	299.847	275.056	-0.1308	0.0549
8.17046	299.854	275.063	-0.1298	0.0557
8.17050	299.854	275.051	-0.1343	0.0538
7.65872	299.966	275.387	-0.0801	0.0540
7.65828	299.955	275.387	-0.0773	0.0540
7.65795	299.947	275.361	-0.0848	0.0537
7.65749	299.937	275.361	-0.0822	0.0537
7.65718	299.929	275.352	-0.0837	0.0546
6.00730	299.948	276.824	0.0034	0.0496
6.00735	299.942	276.813	0.0013	0.0491
6.00752	299.951	276.818	0.0008	0.0488
6.00757	299.947	276.822	0.0033	0.0494
6.00760	299.955	276.808	-0.0036	0.0493
6.00754	299.949	276.816	0.0007	0.0494
4.02045	299.946	279.822	0.0460	0.0481
4.02050	299.946	279.852	0.0567	0.0452
4.02055	299.947	279.797	0.0371	0.0607
1.98679	299.939	283.888	0.0364	0.0432
1.98685	299.949	283.979	0.0665	0.0431
1.98684	299.945	283.893	0.0371	0.0662
0.494270	299.947	290.654	1.1655	0.1332
0.494289	299.944	290.724	1.1906	0.0878
0.494312	299.952	290.745	1.1967	0.1003
0.494361	299.949	290.362	1.0638	0.0547
0.494372	299.953	290.478	1.1036	0.1090

<i>0.494378</i>	<i>299.947</i>	<i>290.144</i>	<i>0.9881</i>	<i>0.2364</i>
	<hr/> <i>f(1, 1)</i> <hr/>			
7.29121	350.008	306.189	0.0540	0.0512
7.29109	350.005	306.183	0.0525	0.0512
7.29119	350.014	306.212	0.0603	0.0512
6.00271	350.007	305.929	0.0549	0.0484
6.00264	350.004	305.937	0.0581	0.0484
6.00272	350.013	305.948	0.0600	0.0484
6.00249	350.005	305.939	0.0585	0.0484
6.00250	350.009	305.944	0.0595	0.0484
6.00250	350.013	305.946	0.0596	0.0484
4.00154	350.013	306.294	0.0408	0.0449
4.00152	350.005	306.293	0.0416	0.0449
4.00151	350.011	306.301	0.0433	0.0449
1.98998	350.006	307.461	0.0031	0.0426
1.98999	350.014	307.457	0.0005	0.0426
1.98996	350.006	307.452	-0.0001	0.0426
0.487370	350.008	308.883	-0.0066	0.0423
0.487376	350.004	308.886	-0.0053	0.0423
0.487390	350.012	308.867	-0.0122	0.0423
0.487414	350.007	308.865	-0.0122	0.0423
0.487421	350.007	308.852	-0.0167	0.0423
0.487429	350.013	308.879	-0.0084	0.0423
	<hr/> <i>f(0, 3)</i> <hr/>			
7.29070	350.008	306.283	0.0848	0.0603
7.29057	350.005	306.231	0.0683	0.0845
<i>7.29067</i>	<i>350.014</i>	<i>306.201</i>	<i>0.0570</i>	<i>0.1442</i>
6.00229	350.007	305.920	0.0519	0.0484
6.00222	350.004	305.922	0.0530	0.0483
6.00231	350.013	305.888	0.0406	0.0601
6.00207	350.005	305.924	0.0534	0.0486
6.00209	350.009	305.925	0.0535	0.0493
6.00208	350.013	305.956	0.0629	0.0484
4.00127	350.013	306.409	0.0782	0.0477
4.00125	350.005	306.385	0.0717	0.0479
4.00124	350.011	306.385	0.0708	0.0472
1.98985	350.006	307.590	0.0450	0.0472
1.98986	350.014	307.628	0.0560	0.0466
1.98983	350.006	307.590	0.0448	0.0456
<i>0.487340</i>	<i>350.008</i>	<i>313.530</i>	<i>1.4978</i>	<i>0.1016</i>
<i>0.487345</i>	<i>350.004</i>	<i>313.532</i>	<i>1.4990</i>	<i>0.0577</i>
<i>0.487360</i>	<i>350.012</i>	<i>313.552</i>	<i>1.5044</i>	<i>0.0605</i>
<i>0.487384</i>	<i>350.007</i>	<i>313.543</i>	<i>1.5023</i>	<i>0.0500</i>

0.487390	350.007	313.534	1.4991	0.0475
0.487399	350.013	313.541	1.5005	0.0539
	<hr/> $f(0, 4)$ <hr/>			
7.29065	350.006	306.010	-0.0043	0.1315
7.29059	350.006	306.031	0.0027	0.0743
7.29068	350.014	305.948	-0.0257	0.0762
6.00227	350.005	305.927	0.0546	0.0848
6.00223	350.006	305.914	0.0501	0.0737
6.00230	350.013	305.920	0.0509	0.0790
6.00207	350.005	306.020	0.0849	0.1641
6.00210	350.010	305.918	0.0509	0.0626
6.00207	350.012	305.895	0.0430	0.0624
4.00127	350.014	306.556	0.1262	0.1497
4.00123	350.004	306.376	0.0689	0.0482
4.00127	350.013	306.372	0.0662	0.0475
1.98985	350.008	307.569	0.0380	0.0666
1.98986	350.014	307.653	0.0644	0.1324
1.98983	350.004	307.579	0.0416	0.0704
0.487340	350.006	312.572	1.1877	0.0491
0.487348	350.005	312.475	1.1567	0.0974
0.487362	350.013	312.615	1.2009	0.2228
0.487383	350.005	312.440	1.1451	0.1237
0.487392	350.009	312.325	1.1075	0.0561
0.487399	350.013	312.653	1.2132	0.1553
	<hr/> $f(1, 1)$ <hr/>			
7.41209	400.206	330.751	0.0245	0.0513
7.41197	400.202	330.749	0.0245	0.0513
7.41182	400.202	330.742	0.0225	0.0513
7.41143	400.199	330.744	0.0238	0.0513
7.41144	400.204	330.751	0.0252	0.0513
7.41126	400.197	330.744	0.0240	0.0513
5.98077	400.194	329.735	0.0332	0.0481
5.98081	400.201	329.734	0.0321	0.0481
5.98068	400.195	329.730	0.0316	0.0481
4.00900	400.192	328.850	0.0243	0.0447
4.00906	400.199	328.848	0.0225	0.0447
4.00899	400.193	328.847	0.0232	0.0447
4.00893	400.197	328.852	0.0242	0.0447
4.00890	400.194	328.851	0.0242	0.0447
4.00893	400.199	328.854	0.0245	0.0447
2.00090	400.192	328.521	-0.0091	0.0425
2.00092	400.195	328.526	-0.0082	0.0425
2.00091	400.193	328.527	-0.0076	0.0425

0.451871	400.197	328.782	-0.0050	0.0422
0.451892	400.206	328.800	-0.0006	0.0422
0.451900	400.199	328.762	-0.0113	0.0423
0.451948	400.203	328.812	0.0035	0.0422
0.451954	400.201	328.793	-0.0022	0.0422
0.451967	400.206	328.771	-0.0094	0.0422
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$f(0, 3)$				
7.41162	400.207	330.815	0.0439	0.0513
7.41143	400.201	330.804	0.0417	0.0935
7.41137	400.203	330.768	0.0304	0.0707
7.41096	400.200	330.750	0.0254	0.0592
7.41096	400.203	330.821	0.0466	0.0522
7.41077	400.197	330.775	0.0334	0.0666
5.98037	400.194	329.835	0.0638	0.1360
5.98047	400.202	329.794	0.0503	0.1623
5.98030	400.194	329.842	0.0658	0.1403
4.00877	400.192	328.854	0.0256	0.0802
4.00881	400.200	328.895	0.0370	0.1099
4.00872	400.192	328.879	0.0330	0.1006
4.00866	400.196	329.007	0.0717	0.0800
4.00865	400.195	328.952	0.0549	0.0496
4.00864	400.198	328.957	0.0562	0.0449
2.00078	400.190	328.702	0.0461	0.0468
2.00080	400.196	328.685	0.0401	0.0429
2.00079	400.192	328.676	0.0381	0.0669
0.451847	400.198	333.742	1.5033	0.0433
0.451867	400.206	333.678	1.4832	0.0576
0.451875	400.199	333.754	1.5071	0.0442
0.451921	400.202	333.626	1.4678	0.0440
0.451930	400.202	333.646	1.4738	0.0433
0.451941	400.204	333.598	1.4589	0.0472
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$f(0, 4)$				
7.41163	400.208	330.768	0.0296	0.0518
7.41138	400.199	330.814	0.0449	0.0709
7.41138	400.204	330.739	0.0215	0.0516
7.41096	400.201	330.818	0.0458	0.0514
7.41094	400.202	330.830	0.0493	0.0603
7.41075	400.198	330.815	0.0454	0.0671
5.98037	400.194	329.887	0.0796	0.0664
5.98047	400.202	329.890	0.0795	0.0755
5.98030	400.194	329.885	0.0789	0.0590
4.00875	400.192	329.336	0.1721	0.0520
4.00882	400.200	328.949	0.0535	0.1238

4.00872	400.192	328.970	0.0609	0.1199
4.00867	400.195	328.935	0.0499	0.1080
4.00868	400.197	329.018	0.0749	0.0463
4.00864	400.196	329.021	0.0757	0.0626
2.00077	400.190	328.658	0.0329	0.0829
2.00080	400.198	328.699	0.0444	0.1003
2.00078	400.191	328.629	0.0240	0.0527
0.451850	400.199	332.038	0.9849	0.2631
0.451869	400.205	332.222	1.0403	0.0770
0.451878	400.199	332.184	1.0296	0.0492
0.451922	400.201	332.184	1.0293	0.0771
0.451932	400.204	332.046	0.9870	0.0747
0.451941	400.203	332.169	1.0244	0.0735

$f(1, 1)$

7.26519	500.463	371.192	0.0085	0.0508
7.26501	500.460	371.188	0.0078	0.0508
7.26500	500.464	371.193	0.0088	0.0508
7.26469	500.462	371.172	0.0035	0.0508
7.26463	500.464	371.192	0.0085	0.0508
7.26445	500.460	371.198	0.0106	0.0508
6.00866	500.460	369.698	0.0134	0.0481
6.00868	500.460	369.692	0.0119	0.0481
6.00863	500.465	369.688	0.0103	0.0481
4.00819	500.458	367.552	0.0003	0.0446
4.00823	500.463	367.573	0.0057	0.0446
4.00815	500.459	367.547	-0.0011	0.0446
4.00807	500.457	367.569	0.0052	0.0446
4.00810	500.461	367.566	0.0039	0.0446
4.00808	500.461	367.568	0.0044	0.0446
1.98841	500.462	365.742	-0.0215	0.0424
1.98839	500.459	365.727	-0.0255	0.0424
1.98836	500.455	365.726	-0.0252	0.0424
0.476617	500.500	364.737	-0.0137	0.0422
0.476608	500.504	364.727	-0.0168	0.0422
0.476596	500.500	364.738	-0.0135	0.0422
0.476576	500.500	364.754	-0.0091	0.0421
0.476571	500.505	364.756	-0.0090	0.0421
0.476557	500.501	364.809	0.0060	0.0421

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7.26472	500.462	371.218	0.0157	0.0523
7.26459	500.460	371.242	0.0226	0.0509
7.26458	500.465	371.282	0.0329	0.0562
7.26427	500.462	371.374	0.0579	0.1277

7.26417	500.464	371.241	0.0221	0.0526
7.26400	500.460	371.232	0.0200	0.0515
6.00831	500.459	369.746	0.0268	0.0571
6.00832	500.461	369.900	0.0682	0.1542
6.00827	500.465	369.950	0.0814	0.1289
4.00797	500.459	367.756	0.0559	0.0522
4.00798	500.463	367.660	0.0295	0.0488
4.00794	500.458	367.793	0.0660	0.0732
4.00785	500.457	367.774	0.0610	0.0449
4.00786	500.462	367.783	0.0629	0.0452
4.00785	500.461	367.686	0.0367	0.0448
1.98830	500.462	365.804	-0.0044	0.0504
1.98827	500.458	365.875	0.0152	0.0881
1.98826	500.455	365.888	0.0192	0.0933
0.476591	500.501	370.018	1.4338	0.0511
0.476582	500.503	370.030	1.4370	0.0507
0.476570	500.500	370.053	1.4436	0.0437
0.476550	500.500	370.025	1.4358	0.0448
0.476544	500.505	370.059	1.4449	0.0429
0.476530	500.500	370.060	1.4456	0.0424

$f(0, 4)$

7.26469	500.461	371.286	0.0344	0.0508
7.26458	500.461	371.252	0.0252	0.0656
7.26456	500.465	371.293	0.0358	0.0532
7.26426	500.463	371.304	0.0392	0.0508
7.26413	500.463	371.275	0.0311	0.0509
7.26401	500.460	371.287	0.0350	0.0543
6.00829	500.459	369.714	0.0181	0.0920
6.00834	500.462	369.767	0.0321	0.1341
6.00826	500.465	369.718	0.0188	0.0952
4.00798	500.460	367.598	0.0129	0.0622
4.00795	500.462	367.628	0.0209	0.0792
4.00792	500.458	367.718	0.0457	0.0446
4.00785	500.457	367.782	0.0632	0.2019
4.00788	500.462	367.612	0.0163	0.0827
4.00785	500.460	367.594	0.0117	0.0696
1.98830	500.462	365.866	0.0125	0.1103
1.98827	500.457	366.019	0.0546	0.0823
1.98827	500.456	365.861	0.0117	0.1055
0.476590	500.502	367.914	0.8570	0.0836
0.476580	500.502	367.890	0.8505	0.1057
0.476569	500.500	367.738	0.8091	0.0806
0.476549	500.501	368.212	0.9388	0.0707

<i>0.476543</i>	<i>500.505</i>	<i>368.196</i>	<i>0.9341</i>	<i>0.1463</i>
<i>0.476528</i>	<i>500.499</i>	<i>368.343</i>	<i>0.9751</i>	<i>0.0773</i>

Table S2. Experimental (p, c, T, x) data for Ar/CO₂ ($x_{\text{CO}_2} = 0.74981$, mole fraction), relative deviations of the experimental data c_{exp} from speeds of sound c_{EOS} calculated with the EOS-CG equation of state of Gernert and Span [2], and the combined expanded uncertainty U_c ($k = 2$) of the speed of sound measurements are listed; p is the pressure and T is the temperature (ITS-90). The standard uncertainty in temperature was less than 20 mK and the standard uncertainty in pressure was $(20 \cdot 10^{-6} \cdot p + 0.15 \text{ kPa})$ for $p < 5 \text{ MPa}$ and $(20 \cdot 10^{-6} \cdot p + 1.0 \text{ kPa})$ for $p > 5 \text{ MPa}$. All experimental values are listed; values written in italics are regarded as outliers.

p / MPa	T / K	$c_{\text{exp}} / \text{m s}^{-1}$	$100 \left(\frac{c_{\text{exp}} - c_{\text{EOS}}}{c_{\text{EOS}}} \right)$	$U_c(c) c^{-1} / \%$
		$f(1, 1)$		
5.50305	276.091	227.574	-0.4955	0.0500
5.50291	276.085	227.574	-0.4932	0.0500
5.50293	276.091	227.976	-0.3207	0.0503
5.39998	276.095	228.576	-0.4362	0.0497
5.39984	276.090	228.574	-0.4346	0.0497
5.39970	276.085	228.574	-0.4325	0.0497
5.29611	276.095	229.565	-0.3804	0.0494
5.29598	276.094	229.566	-0.3793	0.0494
5.29581	276.087	229.561	-0.3790	0.0494
4.99607	276.096	232.322	-0.2520	0.0486
4.99592	276.094	232.322	-0.2518	0.0486
4.99578	276.088	232.314	-0.2529	0.0486
4.99545	276.088	232.273	-0.2720	0.0486
4.99548	276.093	232.279	-0.2714	0.0486
4.99543	276.090	232.279	-0.2698	0.0486
4.00344	276.080	240.297	-0.1801	0.0464
4.00356	276.091	240.301	-0.1822	0.0464
4.00361	276.089	240.303	-0.1802	0.0464
4.00365	276.084	240.280	-0.1881	0.0464
4.00367	276.091	240.280	-0.1905	0.0464
4.00371	276.093	240.280	-0.1909	0.0464
1.99904	276.091	255.065	-0.0557	0.0431
1.99905	276.087	255.070	-0.0531	0.0431
1.99905	276.083	255.071	-0.0517	0.0431
1.99905	276.089	255.075	-0.0515	0.0431
1.99906	276.093	255.071	-0.0536	0.0431
1.99905	276.087	255.071	-0.0525	0.0431
0.501099	276.082	264.877	-0.0627	0.0424
0.501116	276.086	264.901	-0.0543	0.0425
0.501129	276.092	264.916	-0.0496	0.0425

0.501158	276.087	264.937	-0.0406	0.0423
0.501161	276.085	264.895	-0.0563	0.0425
0.501167	276.091	264.928	-0.0447	0.0424
<hr/> $f(0, 3)$ <hr/>				
5.50250	276.091	230.299	0.6940	0.0503
5.50236	276.085	230.298	0.6962	0.0508
5.50238	276.091	230.295	0.6914	0.0498
5.39945	276.095	231.345	0.7683	0.0496
5.39931	276.090	231.341	0.7689	0.0496
5.39917	276.085	231.340	0.7707	0.0495
5.29560	276.095	229.017	-0.6200	0.0511
5.29547	276.094	229.014	-0.6209	0.0495
5.29530	276.087	229.026	-0.6128	0.0493
4.99560	276.096	231.838	-0.4614	0.0485
4.99545	276.094	231.835	-0.4624	0.0485
4.99530	276.088	231.827	-0.4636	0.0487
4.99497	276.088	231.830	-0.4636	0.0489
4.99501	276.093	231.840	-0.4616	0.0492
4.99496	276.090	231.821	-0.4683	0.0485
4.00309	276.080	240.335	-0.1658	0.0469
4.00320	276.091	240.308	-0.1801	0.0465
4.00325	276.089	240.250	-0.2034	0.0485
4.00329	276.084	240.393	-0.1422	0.0721
4.00332	276.091	240.308	-0.1801	0.0467
4.00336	276.093	240.266	-0.1978	0.0759
1.99889	276.091	255.103	-0.0410	0.0430
1.99889	276.087	255.159	-0.0185	0.1592
1.99890	276.083	255.279	0.0295	0.1695
1.99889	276.089	255.109	-0.0383	0.0452
1.99890	276.093	255.208	-0.0003	0.1441
1.99889	276.087	255.244	0.0152	0.1016
0.501062	276.082	268.845	1.4348	0.0436
0.501079	276.086	268.845	1.4341	0.0447
0.501092	276.092	268.850	1.4348	0.0435
0.501121	276.087	268.846	1.4342	0.0445
0.501125	276.085	268.849	1.4359	0.0436
0.501131	276.091	268.847	1.4341	0.0445
<hr/> $f(0, 4)$ <hr/>				
5.50246	276.089	226.976	-0.7579	0.0499
5.50237	276.086	226.976	-0.7567	0.0501
5.50240	276.092	226.979	-0.7590	0.0499
5.39944	276.095	227.999	-0.6892	0.0496
5.39929	276.089	227.997	-0.6872	0.0496

5.39916	276.085	227.994	-0.6870	0.0496
5.29558	276.096	229.010	-0.6232	0.0495
5.29543	276.092	229.011	-0.6218	0.0494
5.29527	276.087	229.011	-0.6194	0.0494
4.99559	276.096	231.820	-0.4693	0.0506
4.99542	276.093	231.832	-0.4632	0.0501
4.99526	276.087	231.824	-0.4647	0.0488
4.99500	276.089	231.826	-0.4656	0.0489
4.99498	276.093	231.811	-0.4741	0.0511
4.99496	276.088	231.819	-0.4687	0.0488
4.00312	276.082	240.302	-0.1798	0.0493
4.00321	276.091	240.284	-0.1906	0.0483
4.00324	276.088	240.264	-0.1971	0.0481
4.00330	276.085	240.281	-0.1889	0.0471
4.00333	276.092	240.284	-0.1903	0.0514
4.00335	276.092	240.279	-0.1922	0.0489
1.99889	276.091	255.168	-0.0157	0.0447
1.99889	276.086	255.162	-0.0168	0.0438
1.99889	276.084	255.150	-0.0209	0.0434
1.99890	276.090	255.153	-0.0215	0.0643
1.99890	276.092	255.142	-0.0260	0.0514
1.99888	276.086	255.085	-0.0468	0.0527
0.501064	276.082	267.783	1.0340	0.1477
0.501081	276.088	267.770	1.0281	0.1198
0.501094	276.092	267.748	1.0192	0.1609
0.501121	276.086	267.809	1.0431	0.0586
0.501125	276.086	267.800	1.0399	0.0784
0.501132	276.092	267.814	1.0441	0.1866

$f(1, 1)$

8.05839	290.020	227.989	-1.2307	0.0561
8.05800	290.016	227.962	-1.2411	0.0558
8.05761	290.011	227.980	-1.2309	0.0561
8.05690	290.012	227.504	-1.4386	0.0558
8.05695	290.016	227.499	-1.4429	0.0558
8.05677	290.009	227.512	-1.4339	0.0558
6.01229	290.002	240.240	-0.1419	0.0499
6.01248	290.007	240.254	-0.1381	0.0500
6.01265	290.011	240.261	-0.1364	0.0500
6.01286	290.009	240.259	-0.1361	0.0499
6.01282	290.007	240.254	-0.1374	0.0499
6.01284	290.010	240.263	-0.1349	0.0499
4.02343	290.011	251.634	-0.0957	0.0458
4.02346	290.006	251.639	-0.0922	0.0458

4.02347	290.005	251.641	-0.0914	0.0458
1.97899	290.004	263.294	-0.0463	0.0429
1.97902	290.011	263.293	-0.0479	0.0429
1.97903	290.009	263.297	-0.0458	0.0429
1.97901	290.007	263.298	-0.0451	0.0429
1.97901	290.010	263.302	-0.0443	0.0429
1.97903	290.014	263.298	-0.0467	0.0429
0.485276	290.006	271.437	-0.0453	0.0424
0.485293	290.006	271.444	-0.0429	0.0424
0.485313	290.013	271.429	-0.0496	0.0424

$f(0, 3)$

8.05749	290.020	227.340	-1.5130	0.0662
8.05710	290.016	227.320	-1.5201	0.0570
8.05671	290.011	227.304	-1.5250	0.0561
<i>8.05601</i>	<i>290.012</i>	<i>228.397</i>	<i>-1.0531</i>	<i>0.4326</i>
<i>8.05606</i>	<i>290.016</i>	<i>228.310</i>	<i>-1.0931</i>	<i>0.5299</i>
<i>8.05588</i>	<i>290.009</i>	<i>228.989</i>	<i>-0.7955</i>	<i>0.2765</i>
6.01172	290.002	239.653	-0.3872	0.0504
6.01191	290.007	239.668	-0.3828	0.0499
6.01209	290.011	239.662	-0.3864	0.0501
<i>6.01229</i>	<i>290.009</i>	<i>243.102</i>	<i>1.0448</i>	<i>0.0509</i>
<i>6.01225</i>	<i>290.007</i>	<i>243.104</i>	<i>1.0460</i>	<i>0.0499</i>
<i>6.01227</i>	<i>290.010</i>	<i>243.117</i>	<i>1.0500</i>	<i>0.0600</i>
4.02309	290.011	251.713	-0.0653	0.0946
4.02313	290.006	251.726	-0.0585	0.0731
4.02314	290.005	251.683	-0.0753	0.0477
1.97884	290.004	263.353	-0.0238	0.0442
1.97887	290.011	263.355	-0.0246	0.0640
1.97888	290.009	263.418	-0.0001	0.0431
1.97886	290.007	263.371	-0.0178	0.0508
1.97886	290.010	263.366	-0.0204	0.0643
1.97888	290.014	263.384	-0.0142	0.0992
<i>0.485241</i>	<i>290.006</i>	<i>275.446</i>	<i>1.4310</i>	<i>0.0472</i>
<i>0.485259</i>	<i>290.006</i>	<i>275.449</i>	<i>1.4319</i>	<i>0.0458</i>
<i>0.485279</i>	<i>290.013</i>	<i>275.455</i>	<i>1.4330</i>	<i>0.0464</i>

$f(0, 4)$

8.05742	290.020	227.359	-1.5049	0.0559
8.05703	290.014	227.348	-1.5076	0.0558
8.05668	290.011	227.343	-1.5083	0.0558
<i>8.05601</i>	<i>290.013</i>	<i>228.112</i>	<i>-1.1772</i>	<i>0.4545</i>
<i>8.05603</i>	<i>290.016</i>	<i>227.778</i>	<i>-1.3232</i>	<i>0.4214</i>
<i>8.05586</i>	<i>290.009</i>	<i>227.708</i>	<i>-1.3501</i>	<i>0.3503</i>
6.01175	290.002	239.667	-0.3814	0.0596

6.01196	290.008	239.613	-0.4060	0.0755
6.01210	290.010	239.660	-0.3873	0.0501
6.01227	290.008	239.674	-0.3799	0.0501
6.01225	290.008	239.675	-0.3793	0.0511
6.01230	290.011	239.670	-0.3830	0.0502
4.02310	290.011	251.639	-0.0944	0.0458
4.02314	290.005	251.660	-0.0842	0.0463
4.02316	290.006	251.641	-0.0923	0.0467
1.97884	290.005	263.396	-0.0079	0.0465
1.97887	290.011	263.392	-0.0106	0.0605
1.97887	290.008	263.421	0.0010	0.0478
1.97886	290.007	263.427	0.0037	0.0470
1.97887	290.011	263.416	-0.0017	0.0431
1.97887	290.013	263.397	-0.0090	0.0679
0.485244	290.005	273.340	0.6556	0.0488
0.485263	290.007	272.879	0.4854	0.5089
0.485282	290.013	272.965	0.5162	0.3667

$f(1, 1)$

8.06300	310.005	251.505	-0.2766	0.0541
8.06310	310.004	251.513	-0.2728	0.0541
8.06323	310.006	251.518	-0.2718	0.0541
8.06348	310.012	251.525	-0.2709	0.0541
8.06355	310.012	251.531	-0.2684	0.0541
8.06343	310.007	251.535	-0.2651	0.0541
6.00013	310.005	258.010	-0.0789	0.0491
6.00026	310.009	258.016	-0.0774	0.0491
6.00028	310.006	258.019	-0.0753	0.0491
4.02411	310.004	265.604	-0.0218	0.0454
4.02419	310.010	265.615	-0.0191	0.0454
4.02422	310.010	265.612	-0.0202	0.0454
4.02420	310.009	265.613	-0.0195	0.0454
4.02418	310.007	265.622	-0.0158	0.0454
4.02419	310.011	265.617	-0.0186	0.0454
1.98103	310.004	274.001	-0.0270	0.0428
1.98106	310.010	274.006	-0.0265	0.0428
1.98107	310.011	274.011	-0.0244	0.0428
0.488271	310.007	280.308	-0.0280	0.0423
0.488277	310.005	280.285	-0.0359	0.0423
0.488289	310.011	280.309	-0.0283	0.0423
0.488319	310.014	262.147	-6.5060	0.1366
0.488321	310.010	256.513	-8.5149	0.2575
0.488323	310.006	260.623	-7.0482	0.1105

$f(0, 3)$

8.06222	310.005	251.516	-0.2728	0.5062
8.06232	310.004	251.372	-0.3295	0.4506
8.06245	310.006	251.486	-0.2849	0.1229
8.06270	310.012	251.528	-0.2700	0.0544
8.06277	310.012	251.476	-0.2906	0.0557
8.06265	310.007	251.537	-0.2650	0.0662
5.99962	310.005	258.004	-0.0818	0.0490
5.99974	310.009	258.064	-0.0594	0.0858
5.99977	310.006	258.017	-0.0767	0.1357
4.02380	310.004	265.711	0.0182	0.0458
4.02387	310.010	265.538	-0.0483	0.0496
4.02390	310.010	265.667	0.0001	0.0736
4.02388	310.009	265.646	-0.0073	0.0456
4.02386	310.007	265.835	0.0640	0.1690
4.02387	310.011	265.727	0.0224	0.2921
1.98089	310.004	274.089	0.0048	0.0430
1.98092	310.010	274.115	0.0135	0.0435
1.98092	310.011	274.119	0.0148	0.0427
0.488237	310.007	284.420	1.4389	0.0447
0.488243	310.005	284.422	1.4399	0.0479
0.488255	310.011	284.432	1.4426	0.0481
0.488286	310.014	275.019	-1.9153	0.0487
0.488288	310.010	275.063	-1.8990	0.0670
0.488290	310.006	275.027	-1.9110	0.0419

$f(0, 4)$

8.06224	310.005	251.397	-0.3199	0.0552
8.06234	310.004	251.398	-0.3189	0.0541
8.06250	310.007	251.402	-0.3185	0.0554
8.06273	310.013	251.424	-0.3116	0.0546
8.06276	310.011	251.435	-0.3068	0.0563
8.06262	310.006	251.406	-0.3166	0.0556
5.99965	310.007	257.977	-0.0926	0.0491
5.99977	310.009	257.994	-0.0862	0.0507
5.99977	310.006	257.989	-0.0873	0.0491
4.02381	310.005	265.799	0.0511	0.1295
4.02389	310.011	265.783	0.0437	0.1237
4.02389	310.009	265.622	-0.0166	0.1461
4.02389	310.008	265.675	0.0037	0.0464
4.02386	310.007	265.678	0.0050	0.0604
4.02389	310.012	265.653	-0.0055	0.0575
1.98089	310.005	274.110	0.0124	0.0493
1.98092	310.011	274.132	0.0193	0.0433
1.98092	310.010	274.123	0.0164	0.0428

0.488239	310.006	283.347	1.0562	0.0502
0.488245	310.006	283.258	1.0247	0.0835
0.488258	310.012	283.213	1.0077	0.0653
0.488286	310.014	274.968	-1.9335	0.0979
0.488288	310.009	274.882	-1.9632	0.0421
0.488291	310.006	275.023	-1.9127	0.0444
		$f(1, 1)$		
8.20136	350.013	282.134	-0.0305	0.0536
8.20122	350.015	282.127	-0.0334	0.0536
8.20114	350.016	282.121	-0.0358	0.0536
8.20077	350.012	282.121	-0.0350	0.0536
8.20079	350.015	282.119	-0.0362	0.0536
8.20058	350.008	282.115	-0.0361	0.0536
6.01833	350.015	284.809	0.0005	0.0485
6.01828	350.009	284.800	-0.0013	0.0485
6.01822	350.007	284.803	0.0003	0.0485
6.01826	350.015	284.802	-0.0016	0.0485
6.01815	350.008	284.807	0.0014	0.0485
6.01814	350.011	284.802	-0.0012	0.0485
4.01064	350.011	288.499	-0.0013	0.0449
4.01065	350.013	288.510	0.0016	0.0449
4.01056	350.006	288.503	0.0006	0.0449
4.01058	350.016	288.504	-0.0008	0.0449
4.01054	350.009	288.512	0.0032	0.0449
4.01051	350.009	288.502	-0.0001	0.0449
1.98740	350.011	293.078	-0.0197	0.0426
1.98740	350.010	293.081	-0.0186	0.0426
1.98739	350.012	293.083	-0.0181	0.0426
1.98736	350.007	293.082	-0.0177	0.0426
1.98736	350.007	293.084	-0.0171	0.0426
1.98737	350.014	293.076	-0.0210	0.0426
0.500788	350.014	296.881	-0.0260	0.0422
0.500795	350.008	296.791	-0.0558	0.0423
0.500801	350.006	296.882	-0.0247	0.0422
0.500839	350.013	296.847	-0.0373	0.0422
0.500838	350.006	296.832	-0.0415	0.0422
0.500849	350.012	296.882	-0.0256	0.0421
		$f(0, 3)$		
8.20067	350.013	282.101	-0.0421	0.0536
8.20052	350.015	282.092	-0.0456	0.0541
8.20044	350.016	282.089	-0.0471	0.0536
8.20007	350.012	282.092	-0.0452	0.0537
8.20009	350.015	282.082	-0.0493	0.0535

8.19988	350.008	282.078	-0.0491	0.0541
6.01786	350.015	284.819	0.0041	0.0495
6.01781	350.009	284.828	0.0084	0.0501
6.01775	350.007	284.821	0.0062	0.0490
6.01779	350.015	284.818	0.0036	0.0495
6.01768	350.008	284.825	0.0075	0.0485
6.01767	350.011	284.810	0.0014	0.0485
4.01035	350.011	288.568	0.0223	0.0449
4.01036	350.013	288.586	0.0281	0.0486
4.01028	350.006	288.576	0.0260	0.0452
4.01030	350.016	288.577	0.0245	0.0452
4.01025	350.009	288.571	0.0236	0.0465
4.01022	350.009	288.585	0.0283	0.0454
1.98727	350.011	293.232	0.0330	0.0432
1.98727	350.010	293.222	0.0296	0.0470
1.98726	350.012	293.240	0.0356	0.0695
1.98723	350.007	293.180	0.0156	0.0722
1.98722	350.007	293.175	0.0140	0.0647
1.98724	350.014	293.218	0.0277	0.0578
0.500755	350.014	301.230	1.4384	0.0438
0.500763	350.008	301.407	1.4989	0.1855
0.500769	350.006	301.224	1.4376	0.0442
0.500806	350.013	301.227	1.4377	0.0441
0.500806	350.006	301.219	1.4360	0.0435
0.500817	350.012	301.223	1.4364	0.0436
		$f(0, 4)$		
8.20061	350.011	282.079	-0.0496	0.0649
8.20055	350.017	282.102	-0.0427	0.0565
8.20041	350.015	282.081	-0.0497	0.0631
8.20011	350.014	282.095	-0.0444	0.0546
8.20007	350.014	282.071	-0.0531	0.0674
8.19985	350.007	282.040	-0.0625	0.0552
6.01787	350.015	284.797	-0.0036	0.0717
6.01778	350.007	284.809	0.0020	0.0531
6.01777	350.009	284.795	-0.0032	0.0608
6.01775	350.013	284.846	0.0139	0.0511
6.01767	350.007	284.765	-0.0133	0.0906
6.01770	350.013	284.822	0.0055	0.0519
4.01037	350.012	288.608	0.0360	0.0678
4.01034	350.012	288.621	0.0404	0.0503
4.01028	350.006	288.522	0.0073	0.1085
4.01029	350.015	288.516	0.0032	0.1032
4.01025	350.008	288.536	0.0116	0.0844

4.01023	350.010	288.522	0.0062	0.1066
1.98728	350.013	293.161	0.0082	0.0630
1.98726	350.008	293.108	-0.0089	0.0790
1.98727	350.013	293.117	-0.0068	0.0631
1.98723	350.006	293.026	-0.0367	0.0481
1.98722	350.007	293.126	-0.0029	0.0547
1.98724	350.015	293.234	0.0328	0.0490
0.500757	350.014	299.097	0.7202	0.0925
0.500763	350.006	298.960	0.6750	0.2384
0.500772	350.008	299.030	0.6984	0.1955
0.500806	350.012	299.717	0.9292	0.1277
0.500807	350.006	299.684	0.9191	0.1782
0.500819	350.013	299.484	0.8506	0.3489

$f(1, 1)$

7.95518	400.139	310.442	-0.0068	0.0526
7.95498	400.130	310.449	-0.0035	0.0526
7.95510	400.137	310.436	-0.0088	0.0526
6.01348	400.130	310.892	-0.0013	0.0483
6.01361	400.134	310.895	-0.0006	0.0483
6.01349	400.129	310.892	-0.0009	0.0483
4.01874	400.131	312.174	-0.0056	0.0448
4.01871	400.130	312.175	-0.0053	0.0448
4.01865	400.128	312.163	-0.0089	0.0448
4.01856	400.130	312.174	-0.0055	0.0448
4.01853	400.130	312.165	-0.0084	0.0448
4.01852	400.132	312.180	-0.0040	0.0448
1.98826	400.130	314.302	0.0091	0.0427
1.98827	400.128	314.320	0.0150	0.0427
1.98828	400.127	314.297	0.0078	0.0427
0.501933	400.125	316.136	-0.0259	0.0421
0.501939	400.132	316.142	-0.0247	0.0422
0.501923	400.124	316.157	-0.0192	0.0421

$f(0, 3)$

7.95453	400.138	310.558	0.0305	0.0781
7.95441	400.131	310.439	-0.0067	0.0531
7.95473	400.137	310.516	0.0171	0.1187
6.01314	400.131	310.992	0.0309	0.0487
6.01315	400.132	310.981	0.0271	0.0491
6.01308	400.129	310.966	0.0227	0.0528
4.01847	400.132	312.311	0.0381	0.0459
4.01843	400.129	312.303	0.0360	0.0447
4.01841	400.129	312.293	0.0327	0.0448
4.01828	400.129	312.291	0.0321	0.0461

4.01827	400.132	312.300	0.0346	0.0473
4.01824	400.131	312.308	0.0371	0.0495
1.98814	400.131	314.382	0.0344	0.0475
1.98815	400.127	314.377	0.0334	0.0784
<i>1.98816</i>	<i>400.128</i>	<i>314.321</i>	<i>0.0153</i>	<i>0.0493</i>
<i>0.501904</i>	<i>400.126</i>	<i>320.747</i>	<i>1.4324</i>	<i>0.0425</i>
<i>0.501906</i>	<i>400.131</i>	<i>320.752</i>	<i>1.4334</i>	<i>0.0423</i>
<i>0.501891</i>	<i>400.124</i>	<i>320.764</i>	<i>1.4379</i>	<i>0.0453</i>
		<i>f(0, 4)</i>		
7.95447	400.136	310.425	-0.0118	0.0654
7.95443	400.132	310.437	-0.0074	0.0740
7.95463	400.136	310.428	-0.0109	0.0709
6.01315	400.133	310.944	0.0153	0.0485
<i>6.01319</i>	<i>400.131</i>	<i>310.936</i>	<i>0.0130</i>	<i>0.0485</i>
6.01309	400.130	310.942	0.0151	0.0488
4.01848	400.133	312.237	0.0140	0.0618
4.01840	400.128	312.226	0.0114	0.0560
4.01841	400.130	312.221	0.0093	0.0553
4.01826	400.128	312.274	0.0268	0.0941
4.01829	400.133	312.256	0.0202	0.0798
4.01824	400.129	312.269	0.0250	0.0906
1.98814	400.132	314.323	0.0155	0.0876
1.98814	400.126	314.319	0.0150	0.0677
<i>1.98816</i>	<i>400.129</i>	<i>314.269</i>	<i>-0.0013</i>	<i>0.0499</i>
<i>0.501905</i>	<i>400.127</i>	<i>319.080</i>	<i>0.9049</i>	<i>0.0940</i>
<i>0.501904</i>	<i>400.131</i>	<i>319.054</i>	<i>0.8964</i>	<i>0.1145</i>
<i>0.501891</i>	<i>400.124</i>	<i>319.091</i>	<i>0.9089</i>	<i>0.0913</i>
		<i>f(1, 1)</i>		
8.00848	500.486	353.787	-0.0058	0.0525
8.00828	500.483	353.783	-0.0068	0.0525
8.00825	500.489	353.786	-0.0064	0.0525
8.00788	500.489	353.784	-0.0069	0.0525
8.00761	500.484	353.779	-0.0077	0.0525
8.00768	500.486	353.784	-0.0065	0.0525
6.00127	500.485	352.386	-0.0131	0.0481
6.00117	500.481	352.393	-0.0107	0.0481
6.00120	500.487	352.399	-0.0096	0.0481
4.01038	500.483	351.496	-0.0134	0.0446
4.01030	500.481	351.501	-0.0115	0.0446
4.01035	500.485	351.511	-0.0091	0.0446
4.01025	500.485	351.500	-0.0123	0.0446
4.01019	500.480	351.502	-0.0111	0.0446
4.01020	500.482	351.497	-0.0128	0.0446

2.00405	500.483	351.025	-0.0246	0.0424
2.00405	500.478	351.024	-0.0243	0.0424
2.00405	500.483	351.032	-0.0226	0.0424
0.501741	500.484	350.995	-0.0257	0.0420
0.501753	500.479	351.000	-0.0239	0.0421
0.501768	500.478	350.962	-0.0347	0.0421
0.501835	500.481	351.007	-0.0219	0.0421
0.501855	500.480	351.033	-0.0145	0.0421
0.501875	500.478	350.989	-0.0268	0.0421
<hr/> <i>f(0, 3)</i> <hr/>				
8.00784	500.485	353.828	0.0061	0.0567
8.00775	500.484	353.818	0.0034	0.0541
8.00765	500.489	353.806	-0.0005	0.0526
8.00727	500.488	353.827	0.0057	0.0526
8.00708	500.484	353.808	0.0006	0.0535
8.00717	500.487	353.911	0.0294	0.0535
6.00086	500.484	352.567	0.0384	0.0548
6.00080	500.481	352.528	0.0277	0.0497
6.00080	500.487	352.536	0.0292	0.0725
4.01009	500.482	351.588	0.0132	0.0600
4.01009	500.481	351.645	0.0295	0.0470
4.01010	500.485	351.646	0.0292	0.0472
4.01000	500.484	351.636	0.0265	0.0447
4.00997	500.480	351.642	0.0287	0.0447
4.00996	500.483	351.679	0.0389	0.0447
2.00393	500.482	351.136	0.0074	0.0621
2.00394	500.478	351.174	0.0184	0.0456
2.00394	500.484	351.210	0.0282	0.0427
0.501716	500.484	356.101	1.4289	0.0422
0.501727	500.479	356.104	1.4300	0.0422
0.501745	500.479	356.095	1.4276	0.0425
0.501811	500.482	356.128	1.4366	0.0420
0.501829	500.479	356.136	1.4391	0.0421
0.501852	500.478	356.139	1.4402	0.0420
<hr/> <i>f(0, 4)</i> <hr/>				
8.00780	500.484	353.866	0.0169	0.0525
8.00770	500.485	353.874	0.0192	0.0531
8.00765	500.488	353.856	0.0136	0.0526
8.00724	500.487	353.861	0.0154	0.0526
8.00711	500.484	353.878	0.0204	0.0530
8.00718	500.488	353.866	0.0166	0.0530
6.00085	500.483	352.505	0.0208	0.1010
6.00080	500.482	352.459	0.0080	0.1275

6.00080	500.487	352.501	0.0195	0.1000
4.01008	500.481	351.618	0.0218	0.0458
4.01011	500.482	351.634	0.0264	0.0449
4.01009	500.485	351.641	0.0280	0.0460
4.00998	500.484	351.637	0.0269	0.0446
4.00992	500.479	351.629	0.0250	0.0449
4.00997	500.484	351.653	0.0313	0.0447
2.00393	500.481	351.223	0.0321	0.0438
2.00394	500.479	351.231	0.0346	0.0618
2.00394	500.484	351.247	0.0387	0.0441
<i>0.501720</i>	<i>500.483</i>	<i>354.698</i>	<i>1.0291</i>	<i>0.0754</i>
<i>0.501730</i>	<i>500.478</i>	<i>354.671</i>	<i>1.0219</i>	<i>0.0922</i>
<i>0.501747</i>	<i>500.479</i>	<i>354.515</i>	<i>0.9775</i>	<i>0.0470</i>
<i>0.501815</i>	<i>500.482</i>	<i>354.567</i>	<i>0.9921</i>	<i>0.1025</i>
<i>0.501832</i>	<i>500.478</i>	<i>354.552</i>	<i>0.9880</i>	<i>0.1102</i>
<i>0.501856</i>	<i>500.479</i>	<i>354.565</i>	<i>0.9916</i>	<i>0.0887</i>
