



Forane[®] 407C

(23.0% R-32, 25.0% R-125, 52.0% R-134a by weight)

Thermodynamic Properties (Saturation) - SI

This data was generated using the NIST REFPROP Database

(Lemmon, E.W., Huber, M.L., McLinden, M.O. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties-REFPROP, Version 9.0, National Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)



Thermodynamic Properties of R-407C - Saturation

Temperature (°C)	Pressure (kPa)		Volume (m ³ /kg)		Density (kg/m ³)		Enthalpy (kJ/kg)		Entropy (kJ/(kg K))		Temperature (°C)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
-100	2.3	1.1	0.0006	15.6230	1546.0	0.064	67.91	351.56	0.4017	2.0800	-100
-99	2.6	1.2	0.0006	14.1570	1543.1	0.071	69.20	352.16	0.4092	2.0734	-99
-98	2.8	1.3	0.0006	12.8480	1540.2	0.078	70.50	352.75	0.4166	2.0669	-98
-97	3.1	1.5	0.0007	11.6750	1537.4	0.086	71.79	353.35	0.4239	2.0606	-97
-96	3.4	1.6	0.0007	10.6240	1534.5	0.094	73.08	353.94	0.4312	2.0543	-96
-95	3.7	1.8	0.0007	9.6807	1531.6	0.103	74.37	354.54	0.4385	2.0482	-95
-94	4.0	2.0	0.0007	8.8325	1528.7	0.113	75.65	355.14	0.4457	2.0422	-94
-93	4.3	2.1	0.0007	8.0690	1525.8	0.124	76.94	355.74	0.4528	2.0364	-93
-92	4.7	2.4	0.0007	7.3807	1523.0	0.135	78.23	356.34	0.4599	2.0306	-92
-91	5.1	2.6	0.0007	6.7595	1520.1	0.148	79.51	356.95	0.4670	2.0250	-91
-90	5.6	2.8	0.0007	6.1981	1517.2	0.161	80.79	357.55	0.4740	2.0194	-90
-89	6.0	3.1	0.0007	5.6900	1514.3	0.176	82.08	358.15	0.4810	2.0140	-89
-88	6.5	3.4	0.0007	5.2296	1511.5	0.191	83.36	358.76	0.4880	2.0087	-88
-87	7.1	3.7	0.0007	4.8120	1508.6	0.208	84.64	359.36	0.4949	2.0034	-87
-86	7.6	4.1	0.0007	4.4326	1505.7	0.226	85.93	359.97	0.5018	1.9983	-86
-85	8.3	4.4	0.0007	4.0877	1502.8	0.245	87.21	360.57	0.5086	1.9933	-85
-84	8.9	4.8	0.0007	3.7736	1499.9	0.265	88.49	361.18	0.5154	1.9883	-84
-83	9.6	5.2	0.0007	3.4874	1497.1	0.287	89.77	361.79	0.5221	1.9835	-83
-82	10.3	5.7	0.0007	3.2262	1494.2	0.310	91.06	362.40	0.5289	1.9787	-82
-81	11.1	6.2	0.0007	2.9876	1491.3	0.335	92.34	363.00	0.5355	1.9741	-81
-80	12.0	6.7	0.0007	2.7694	1488.4	0.361	93.62	363.61	0.5422	1.9695	-80
-79	12.8	7.2	0.0007	2.5697	1485.5	0.389	94.90	364.22	0.5488	1.9650	-79
-78	13.8	7.8	0.0007	2.3866	1482.6	0.419	96.18	364.83	0.5554	1.9606	-78
-77	14.8	8.5	0.0007	2.2187	1479.7	0.451	97.46	365.44	0.5619	1.9563	-77
-76	15.8	9.1	0.0007	2.0645	1476.8	0.484	98.75	366.05	0.5685	1.9520	-76
-75	16.9	9.9	0.0007	1.9228	1473.9	0.520	100.03	366.66	0.5750	1.9479	-75
-74	18.1	10.6	0.0007	1.7924	1471.0	0.558	101.31	367.27	0.5814	1.9438	-74
-73	19.3	11.4	0.0007	1.6723	1468.1	0.598	102.60	367.88	0.5878	1.9398	-73
-72	20.7	12.3	0.0007	1.5616	1465.2	0.640	103.88	368.49	0.5942	1.9359	-72
-71	22.0	13.2	0.0007	1.4594	1462.3	0.685	105.16	369.10	0.6006	1.9320	-71
-70	23.5	14.2	0.0007	1.3651	1459.4	0.733	106.45	369.71	0.6069	1.9282	-70
-69	25.0	15.2	0.0007	1.2779	1456.5	0.783	107.74	370.33	0.6132	1.9245	-69
-68	26.7	16.3	0.0007	1.1972	1453.6	0.835	109.02	370.94	0.6195	1.9209	-68
-67	28.4	17.5	0.0007	1.1225	1450.6	0.891	110.31	371.55	0.6258	1.9173	-67
-66	30.2	18.7	0.0007	1.0532	1447.7	0.949	111.60	372.16	0.6320	1.9138	-66
-65	32.1	20.0	0.0007	0.9890	1444.8	1.011	112.88	372.76	0.6382	1.9103	-65
-64	34.0	21.4	0.0007	0.9294	1441.8	1.076	114.17	373.37	0.6444	1.9069	-64
-63	36.1	22.8	0.0007	0.8740	1438.9	1.144	115.46	373.98	0.6505	1.9036	-63
-62	38.3	24.4	0.0007	0.8225	1435.9	1.216	116.76	374.59	0.6566	1.9003	-62
-61	40.6	26.0	0.0007	0.7746	1433.0	1.291	118.05	375.20	0.6627	1.8971	-61
-60	43.0	27.7	0.0007	0.7299	1430.0	1.370	119.34	375.81	0.6688	1.8940	-60
-59	45.5	29.5	0.0007	0.6883	1427.1	1.453	120.63	376.41	0.6749	1.8909	-59
-58	48.1	31.4	0.0007	0.6495	1424.1	1.540	121.93	377.02	0.6809	1.8878	-58
-57	50.9	33.3	0.0007	0.6133	1421.1	1.630	123.22	377.63	0.6869	1.8849	-57
-56	53.7	35.4	0.0007	0.5795	1418.1	1.726	124.52	378.23	0.6929	1.8819	-56
-55	56.7	37.6	0.0007	0.5479	1415.1	1.825	125.82	378.84	0.6988	1.8791	-55
-54	59.9	39.9	0.0007	0.5184	1412.2	1.929	127.12	379.44	0.7047	1.8762	-54
-53	63.1	42.3	0.0007	0.4907	1409.2	2.038	128.42	380.04	0.7106	1.8735	-53
-52	66.6	44.8	0.0007	0.4648	1406.1	2.152	129.72	380.64	0.7165	1.8707	-52
-51	70.1	47.5	0.0007	0.4405	1403.1	2.270	131.02	381.25	0.7224	1.8681	-51
-50	73.8	50.2	0.0007	0.4177	1400.1	2.394	132.33	381.85	0.7283	1.8654	-50
-49	77.7	53.1	0.0007	0.3963	1397.1	2.523	133.63	382.44	0.7341	1.8628	-49
-48	81.7	56.1	0.0007	0.3762	1394.1	2.658	134.94	383.04	0.7399	1.8603	-48

Thermodynamic Properties of R-407C - Saturation

Temperature (°C)	Pressure (kPa)		Volume (m ³ /kg)		Density (kg/m ³)		Enthalpy (kJ/kg)		Entropy (kJ/(kg K))		Temperature (°C)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
-47	85.9	59.3	0.0007	0.3574	1391.0	2.798	136.25	383.64	0.7457	1.8578	-47
-46	90.3	62.6	0.0007	0.3396	1388.0	2.944	137.56	384.23	0.7514	1.8554	-46
-45	94.8	66.1	0.0007	0.3229	1384.9	3.097	138.87	384.83	0.7572	1.8529	-45
-44	99.5	69.7	0.0007	0.3072	1381.9	3.255	140.18	385.42	0.7629	1.8506	-44
-43	104.4	73.4	0.0007	0.2924	1378.8	3.420	141.50	386.01	0.7686	1.8483	-43
-42	109.5	77.3	0.0007	0.2785	1375.7	3.591	142.81	386.60	0.7743	1.8460	-42
-41	114.8	81.4	0.0007	0.2653	1372.6	3.769	144.13	387.19	0.7800	1.8437	-41
-40	120.3	85.7	0.0007	0.2529	1369.5	3.954	145.45	387.78	0.7856	1.8415	-40
-39	125.9	90.1	0.0007	0.2412	1366.4	4.146	146.77	388.37	0.7913	1.8393	-39
-38	131.8	94.7	0.0007	0.2302	1363.3	4.345	148.09	388.95	0.7969	1.8372	-38
-37	137.9	99.5	0.0007	0.2197	1360.2	4.552	149.42	389.53	0.8025	1.8351	-37
-36	144.3	104.5	0.0007	0.2098	1357.0	4.766	150.74	390.12	0.8081	1.8330	-36
-35	150.8	109.7	0.0007	0.2004	1353.9	4.989	152.07	390.69	0.8136	1.8310	-35
-34	157.6	115.0	0.0007	0.1916	1350.8	5.220	153.40	391.27	0.8192	1.8290	-34
-33	164.6	120.6	0.0007	0.1832	1347.6	5.458	154.73	391.85	0.8247	1.8270	-33
-32	171.9	126.4	0.0007	0.1753	1344.4	5.706	156.07	392.42	0.8302	1.8251	-32
-31	179.4	132.5	0.0007	0.1677	1341.2	5.962	157.40	393.00	0.8357	1.8232	-31
-30	187.1	138.7	0.0007	0.1606	1338.1	6.228	158.74	393.57	0.8412	1.8213	-30
-29	195.2	145.2	0.0007	0.1538	1334.9	6.502	160.08	394.13	0.8467	1.8195	-29
-28	203.4	151.9	0.0008	0.1474	1331.6	6.786	161.42	394.70	0.8522	1.8177	-28
-27	212.0	158.8	0.0008	0.1413	1328.4	7.080	162.77	395.26	0.8576	1.8159	-27
-26	220.8	166.0	0.0008	0.1354	1325.2	7.384	164.11	395.83	0.8630	1.8142	-26
-25	229.9	173.5	0.0008	0.1299	1321.9	7.697	165.46	396.39	0.8685	1.8124	-25
-24	239.3	181.2	0.0008	0.1247	1318.7	8.022	166.81	396.94	0.8739	1.8107	-24
-23	249.0	189.1	0.0008	0.1197	1315.4	8.357	168.16	397.50	0.8792	1.8091	-23
-22	259.0	197.4	0.0008	0.1149	1312.1	8.703	169.52	398.05	0.8846	1.8074	-22
-21	269.3	205.9	0.0008	0.1104	1308.8	9.060	170.88	398.60	0.8900	1.8058	-21
-20	279.9	214.7	0.0008	0.1061	1305.5	9.429	172.24	399.15	0.8953	1.8042	-20
-19	290.9	223.8	0.0008	0.1019	1302.2	9.809	173.60	399.70	0.9007	1.8026	-19
-18	302.1	233.2	0.0008	0.0980	1298.9	10.202	174.96	400.24	0.9060	1.8011	-18
-17	313.7	242.9	0.0008	0.0943	1295.5	10.607	176.33	400.78	0.9113	1.7995	-17
-16	325.6	252.9	0.0008	0.0907	1292.2	11.024	177.70	401.32	0.9166	1.7980	-16
-15	337.9	263.2	0.0008	0.0873	1288.8	11.455	179.07	401.85	0.9219	1.7965	-15
-14	350.5	273.8	0.0008	0.0840	1285.4	11.899	180.45	402.39	0.9272	1.7951	-14
-13	363.5	284.8	0.0008	0.0809	1282.0	12.356	181.82	402.92	0.9324	1.7936	-13
-12	376.9	296.1	0.0008	0.0780	1278.6	12.827	183.20	403.44	0.9377	1.7922	-12
-11	390.6	307.8	0.0008	0.0751	1275.1	13.312	184.59	403.96	0.9429	1.7908	-11
-10	404.7	319.8	0.0008	0.0724	1271.7	13.812	185.97	404.49	0.9482	1.7894	-10
-9	419.2	332.1	0.0008	0.0698	1268.2	14.327	187.36	405.00	0.9534	1.7880	-9
-8	434.0	344.9	0.0008	0.0673	1264.7	14.857	188.75	405.52	0.9586	1.7867	-8
-7	449.3	358.0	0.0008	0.0649	1261.2	15.403	190.15	406.03	0.9638	1.7853	-7
-6	465.0	371.5	0.0008	0.0626	1257.7	15.964	191.55	406.53	0.9690	1.7840	-6
-5	481.1	385.3	0.0008	0.0605	1254.2	16.542	192.95	407.04	0.9742	1.7827	-5
-4	497.6	399.6	0.0008	0.0584	1250.6	17.136	194.35	407.54	0.9794	1.7814	-4
-3	514.5	414.2	0.0008	0.0563	1247.1	17.748	195.76	408.04	0.9845	1.7801	-3
-2	531.8	429.3	0.0008	0.0544	1243.5	18.377	197.17	408.53	0.9897	1.7789	-2
-1	549.6	444.8	0.0008	0.0526	1239.8	19.024	198.58	409.02	0.9949	1.7776	-1
0	567.9	460.7	0.0008	0.0508	1236.2	19.689	200.00	409.51	1.0000	1.7764	0
1	586.6	477.1	0.0008	0.0491	1232.6	20.373	201.42	409.99	1.0051	1.7752	1
2	605.7	493.8	0.0008	0.0474	1228.9	21.076	202.84	410.47	1.0103	1.7740	2
3	625.4	511.1	0.0008	0.0459	1225.2	21.798	204.27	410.94	1.0154	1.7728	3
4	645.4	528.8	0.0008	0.0444	1221.5	22.541	205.70	411.41	1.0205	1.7716	4
5	666.0	546.9	0.0008	0.0429	1217.8	23.304	207.14	411.88	1.0256	1.7704	5

Thermodynamic Properties of R-407C - Saturation

Temperature (°C)	Pressure (kPa)		Volume (m ³ /kg)		Density (kg/m ³)		Enthalpy (kJ/kg)		Entropy (kJ/(kg K))		Temperature (°C)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
6	687.1	565.5	0.0008	0.0415	1214.0	24.089	208.58	412.34	1.0307	1.7692	6
7	708.7	584.6	0.0008	0.0402	1210.2	24.895	210.02	412.79	1.0358	1.7681	7
8	730.7	604.2	0.0008	0.0389	1206.4	25.723	211.47	413.25	1.0409	1.7669	8
9	753.3	624.3	0.0008	0.0376	1202.6	26.573	212.92	413.69	1.0460	1.7658	9
10	776.4	644.9	0.0008	0.0364	1198.7	27.447	214.37	414.14	1.0511	1.7647	10
11	800.0	666.0	0.0008	0.0353	1194.9	28.345	215.83	414.58	1.0561	1.7636	11
12	824.2	687.6	0.0008	0.0342	1191.0	29.267	217.29	415.01	1.0612	1.7624	12
13	848.9	709.8	0.0008	0.0331	1187.0	30.213	218.76	415.44	1.0663	1.7613	13
14	874.2	732.4	0.0008	0.0321	1183.1	31.186	220.23	415.86	1.0713	1.7602	14
15	900.0	755.7	0.0008	0.0311	1179.1	32.184	221.71	416.28	1.0764	1.7591	15
16	926.3	779.5	0.0009	0.0301	1175.1	33.210	223.19	416.69	1.0814	1.7580	16
17	953.3	803.8	0.0009	0.0292	1171.0	34.263	224.68	417.10	1.0865	1.7570	17
18	980.8	828.7	0.0009	0.0283	1166.9	35.344	226.17	417.50	1.0915	1.7559	18
19	1008.9	854.2	0.0009	0.0274	1162.8	36.454	227.66	417.89	1.0966	1.7548	19
20	1037.6	880.3	0.0009	0.0266	1158.7	37.594	229.16	418.28	1.1016	1.7537	20
21	1066.9	907.0	0.0009	0.0258	1154.5	38.765	230.67	418.66	1.1067	1.7526	21
22	1096.8	934.4	0.0009	0.0250	1150.3	39.967	232.18	419.04	1.1117	1.7516	22
23	1127.4	962.3	0.0009	0.0243	1146.1	41.201	233.69	419.41	1.1167	1.7505	23
24	1158.5	990.8	0.0009	0.0235	1141.8	42.469	235.21	419.77	1.1218	1.7494	24
25	1190.3	1020.0	0.0009	0.0228	1137.5	43.770	236.74	420.13	1.1268	1.7483	25
26	1222.8	1049.9	0.0009	0.0222	1133.1	45.107	238.27	420.48	1.1318	1.7472	26
27	1255.9	1080.4	0.0009	0.0215	1128.8	46.479	239.81	420.82	1.1369	1.7462	27
28	1289.6	1111.5	0.0009	0.0209	1124.3	47.889	241.35	421.16	1.1419	1.7451	28
29	1324.0	1143.4	0.0009	0.0203	1119.9	49.337	242.90	421.48	1.1469	1.7440	29
30	1359.1	1175.9	0.0009	0.0197	1115.4	50.824	244.46	421.80	1.1520	1.7429	30
31	1394.9	1209.1	0.0009	0.0191	1110.8	52.352	246.02	422.11	1.1570	1.7418	31
32	1431.4	1243.1	0.0009	0.0185	1106.2	53.921	247.59	422.41	1.1621	1.7407	32
33	1468.5	1277.7	0.0009	0.0180	1101.6	55.534	249.17	422.71	1.1671	1.7396	33
34	1506.4	1313.1	0.0009	0.0175	1096.9	57.190	250.75	422.99	1.1722	1.7385	34
35	1545.0	1349.2	0.0009	0.0170	1092.1	58.893	252.34	423.27	1.1772	1.7373	35
36	1584.3	1386.1	0.0009	0.0165	1087.4	60.643	253.94	423.53	1.1823	1.7362	36
37	1624.4	1423.7	0.0009	0.0160	1082.5	62.442	255.54	423.79	1.1873	1.7350	37
38	1665.2	1462.1	0.0009	0.0156	1077.6	64.291	257.15	424.04	1.1924	1.7339	38
39	1706.7	1501.3	0.0009	0.0151	1072.7	66.193	258.77	424.27	1.1975	1.7327	39
40	1749.0	1541.3	0.0009	0.0147	1067.7	68.148	260.40	424.50	1.2025	1.7315	40
41	1792.1	1582.1	0.0009	0.0143	1062.6	70.160	262.04	424.71	1.2076	1.7303	41
42	1836.0	1623.7	0.0009	0.0138	1057.5	72.230	263.68	424.92	1.2127	1.7291	42
43	1880.6	1666.2	0.0010	0.0134	1052.3	74.359	265.34	425.11	1.2178	1.7279	43
44	1926.1	1709.5	0.0010	0.0131	1047.0	76.552	267.00	425.29	1.2230	1.7266	44
45	1972.3	1753.6	0.0010	0.0127	1041.7	78.809	268.67	425.45	1.2281	1.7254	45
46	2019.4	1798.7	0.0010	0.0123	1036.3	81.134	270.35	425.60	1.2332	1.7241	46
47	2067.3	1844.6	0.0010	0.0120	1030.8	83.529	272.04	425.74	1.2384	1.7228	47
48	2116.0	1891.4	0.0010	0.0116	1025.3	85.997	273.75	425.87	1.2435	1.7215	48
49	2165.6	1939.1	0.0010	0.0113	1019.6	88.542	275.46	425.98	1.2487	1.7201	49
50	2216.0	1987.8	0.0010	0.0110	1013.9	91.166	277.18	426.07	1.2539	1.7187	50
51	2267.3	2037.4	0.0010	0.0107	1008.1	93.873	278.92	426.15	1.2591	1.7173	51
52	2319.4	2087.9	0.0010	0.0103	1002.2	96.668	280.67	426.22	1.2643	1.7159	52
53	2372.5	2139.4	0.0010	0.0100	996.2	99.553	282.43	426.26	1.2696	1.7144	53
54	2426.4	2191.9	0.0010	0.0098	990.1	102.530	284.20	426.29	1.2748	1.7129	54
55	2481.2	2245.4	0.0010	0.0095	983.9	105.620	285.99	426.29	1.2801	1.7113	55
56	2537.0	2300.0	0.0010	0.0092	977.6	108.800	287.79	426.28	1.2854	1.7097	56
57	2593.6	2355.6	0.0010	0.0089	971.2	112.100	289.61	426.25	1.2908	1.7081	57
58	2651.2	2412.2	0.0010	0.0087	964.6	115.520	291.44	426.19	1.2961	1.7064	58

Thermodynamic Properties of R-407C - Saturation

Temperature (°C)	Pressure (kPa)		Volume (m ³ /kg)		Density (kg/m ³)		Enthalpy (kJ/kg)		Entropy (kJ/(kg K))		Temperature (°C)
	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	Liquid	Vapor	
59	2709.8	2469.9	0.0010	0.0084	957.9	119.060	293.29	426.11	1.3015	1.7047	59
60	2769.2	2528.7	0.0011	0.0081	951.1	122.730	295.16	426.01	1.3069	1.7029	60
61	2829.7	2588.6	0.0011	0.0079	944.1	126.540	297.05	425.87	1.3124	1.7011	61
62	2891.1	2649.7	0.0011	0.0077	936.9	130.500	298.96	425.72	1.3179	1.6992	62
63	2953.5	2711.9	0.0011	0.0074	929.6	134.620	300.88	425.53	1.3235	1.6972	63
64	3017.0	2775.3	0.0011	0.0072	922.1	138.910	302.83	425.31	1.3290	1.6952	64
65	3081.4	2840.0	0.0011	0.0070	914.4	143.380	304.81	425.05	1.3347	1.6931	65
66	3146.8	2905.8	0.0011	0.0068	906.5	148.050	306.81	424.76	1.3404	1.6909	66
67	3213.3	2973.0	0.0011	0.0065	898.3	152.930	308.84	424.43	1.3461	1.6886	67
68	3280.8	3041.4	0.0011	0.0063	889.8	158.040	310.90	424.06	1.3520	1.6862	68
69	3349.3	3111.2	0.0011	0.0061	881.1	163.390	312.99	423.65	1.3579	1.6838	69
70	3418.9	3182.3	0.0011	0.0059	872.1	169.030	315.12	423.18	1.3639	1.6811	70
71	3489.6	3254.9	0.0012	0.0057	862.7	174.960	317.29	422.66	1.3699	1.6784	71
72	3561.3	3328.9	0.0012	0.0055	852.9	181.220	319.51	422.07	1.3761	1.6755	72
73	3634.1	3404.4	0.0012	0.0053	842.7	187.860	321.77	421.42	1.3824	1.6724	73
74	3708.0	3481.4	0.0012	0.0051	832.0	194.920	324.09	420.70	1.3889	1.6692	74
75	3783.0	3560.1	0.0012	0.0049	820.8	202.440	326.48	419.89	1.3955	1.6657	75
76	3859.1	3640.5	0.0012	0.0048	808.8	210.510	328.94	418.98	1.4022	1.6620	76
77	3936.2	3722.6	0.0013	0.0046	796.1	219.210	331.48	417.97	1.4092	1.6580	77
78	4014.4	3806.6	0.0013	0.0044	782.5	228.650	334.13	416.82	1.4165	1.6536	78
79	4093.6	3892.6	0.0013	0.0042	767.7	238.980	336.91	415.51	1.4241	1.6489	79
80	4173.8	3980.8	0.0013	0.0040	751.6	250.410	339.84	414.01	1.4321	1.6436	80
81	4254.8	4071.3	0.0014	0.0038	733.6	263.240	342.97	412.27	1.4407	1.6377	81
82	4336.5	4164.5	0.0014	0.0036	713.1	277.920	346.39	410.22	1.4500	1.6309	82
83	4418.6	4260.9	0.0015	0.0034	689.0	295.240	350.22	407.71	1.4604	1.6229	83
84	4500.3	4361.3	0.0015	0.0032	658.6	316.690	354.76	404.50	1.4728	1.6130	84
85	4579.1	4554.8	0.0016	0.0018	614.9	566.030	360.89	366.46	1.4896	1.5053	85
86	4639.0	4589.9	0.0019	0.0025	516.2	403.220	374.10	390.98	1.5262	1.5735	86