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**Excel spreadsheet of 2 dimensional results (150 Hour fire)**

A/33

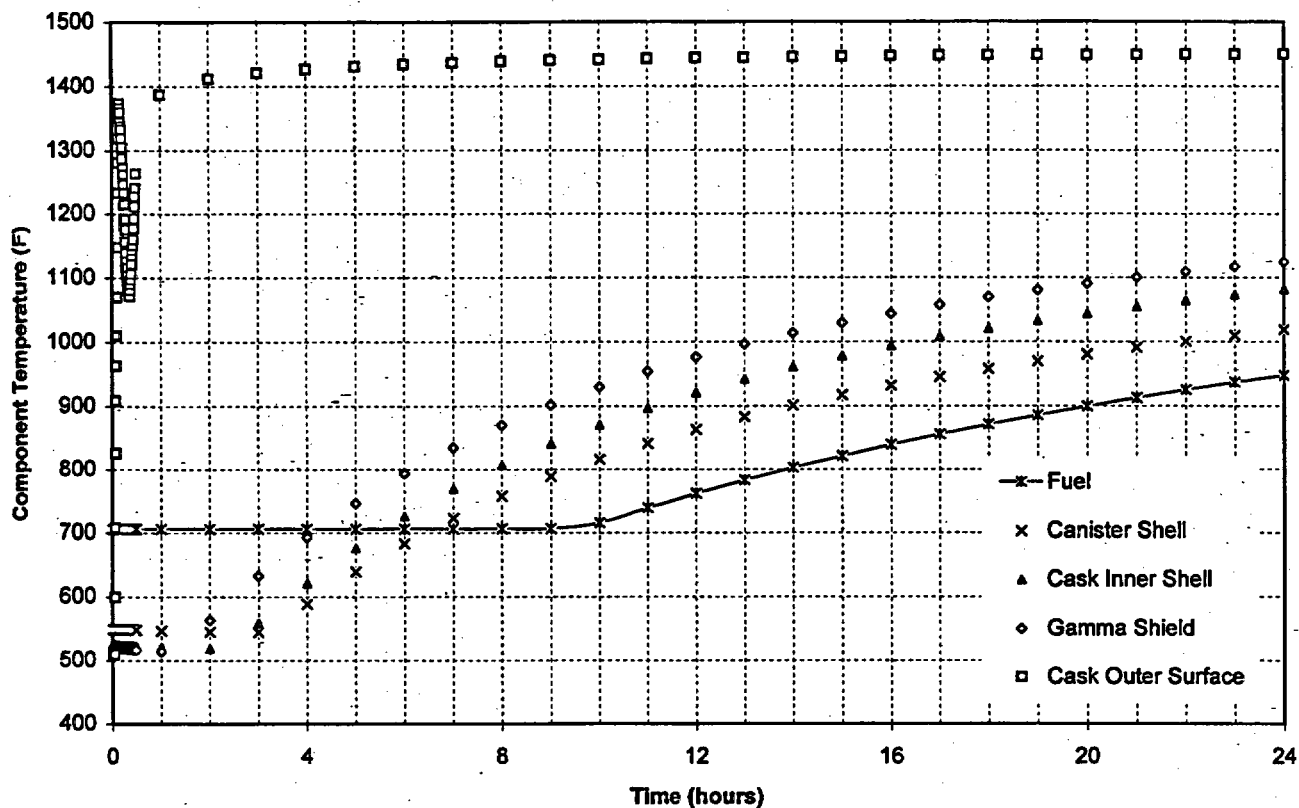
Time (hours)	Fuel	Basket	Boral	Canister Shell	Cask Inner Shell	Gamma Shield	Cask Outer Surface
0	705.6	702.6	702.5	549.0	525.6	519.7	507.5
0.01	705.6	702.6	702.5	549.0	525.6	519.6	508.3
0.02	705.6	702.6	702.5	549.0	525.6	519.5	508.9
0.03	705.6	702.6	702.5	549.0	525.6	519.5	509.2
0.03	705.6	702.6	702.5	549.0	525.6	519.5	509.4
0.04	705.6	702.6	702.5	549.0	525.6	519.5	509.6
0.05	705.6	702.6	702.5	549.0	525.6	519.4	599.8
0.06	705.6	702.6	702.5	549.0	525.5	519.4	707.1
0.07	705.6	702.6	702.5	549.0	525.5	519.3	825.8
0.07	705.6	702.6	702.5	549.0	525.5	519.3	908.4
0.08	705.6	702.6	702.5	549.0	525.5	519.2	963.5
0.09	705.6	702.6	702.5	549.0	525.5	519.2	1010.2
0.1	705.6	702.6	702.5	549.0	525.4	519.1	1070.0
0.11	705.6	702.6	702.5	549.0	525.4	519.1	1147.5
0.12	705.6	702.6	702.5	549.0	525.4	519.0	1232.6
0.12	705.6	702.6	702.5	549.0	525.4	519.0	1281.0
0.13	705.6	702.6	702.5	549.0	525.3	518.9	1318.7
0.14	705.6	702.6	702.5	548.9	525.3	518.9	1352.5
0.15	705.6	702.6	702.5	548.9	525.3	518.8	1372.9
0.16	705.6	702.6	702.5	548.9	525.2	518.8	1365.8
0.17	705.6	702.6	702.5	548.9	525.2	518.7	1359.3
0.17	705.6	702.6	702.5	548.9	525.2	518.7	1344.3
0.18	705.6	702.6	702.5	548.9	525.1	518.6	1337.8
0.19	705.6	702.6	702.5	548.9	525.1	518.6	1333.0
0.2	705.6	702.6	702.5	548.9	525.1	518.5	1319.0
0.21	705.6	702.6	702.5	548.9	525.0	518.5	1305.0
0.22	705.6	702.6	702.5	548.9	525.0	518.4	1287.4
0.23	705.6	702.6	702.5	548.8	524.9	518.4	1272.0
0.23	705.6	702.6	702.5	548.8	524.9	518.3	1262.3
0.24	705.6	702.6	702.5	548.8	524.9	518.3	1246.4
0.25	705.6	702.6	702.5	548.8	524.8	518.2	1232.8
0.26	705.6	702.6	702.5	548.8	524.8	518.2	1214.6
0.27	705.6	702.6	702.5	548.8	524.7	518.1	1192.5
0.28	705.6	702.6	702.5	548.8	524.7	518.1	1175.1
0.28	705.6	702.6	702.5	548.7	524.7	518.0	1156.3
0.29	705.6	702.6	702.5	548.7	524.6	518.0	1138.8
0.3	705.6	702.6	702.5	548.7	524.6	517.9	1125.5
0.31	705.6	702.6	702.5	548.7	524.5	517.9	1115.9
0.32	705.6	702.6	702.5	548.7	524.5	517.8	1103.5
0.33	705.6	702.6	702.5	548.7	524.5	517.8	1094.5
0.33	705.6	702.6	702.5	548.6	524.4	517.7	1086.0
0.34	705.6	702.6	702.5	548.6	524.4	517.7	1079.3
0.35	705.6	702.6	702.5	548.6	524.3	517.6	1078.1
0.36	705.6	702.6	702.5	548.6	524.3	517.6	1073.3
0.37	705.6	702.6	702.5	548.6	524.2	517.5	1072.3
0.38	705.6	702.6	702.5	548.5	524.2	517.5	1081.2
0.38	705.6	702.6	702.5	548.5	524.2	517.4	1089.9
0.39	705.6	702.6	702.5	548.5	524.1	517.4	1097.1
0.4	705.6	702.6	702.5	548.5	524.1	517.3	1106.3
0.41	705.6	702.6	702.5	548.5	524.0	517.3	1121.5
0.42	705.6	702.6	702.5	548.4	524.0	517.3	1135.2
0.42	705.6	702.6	702.5	548.4	524.0	517.2	1143.8
0.43	705.6	702.6	702.5	548.4	523.9	517.2	1150.5
0.44	705.6	702.6	702.5	548.4	523.9	517.1	1159.7
0.45	705.6	702.6	702.5	548.4	523.8	517.1	1177.1
0.46	705.6	702.6	702.5	548.3	523.8	517.0	1192.8
0.47	705.6	702.6	702.5	548.3	523.7	517.0	1211.1
0.47	705.6	702.6	702.5	548.3	523.7	516.9	1227.4
0.48	705.6	702.6	702.5	548.3	523.7	516.9	1240.5
0.49	705.6	702.6	702.5	548.2	523.6	516.8	1263.6
1	705.6	702.6	702.5	546.8	521.4	514.6	1386.8
2	705.7	702.7	702.6	545.0	519.1	563.5	1411.9
3	705.7	702.7	702.6	544.5	559.3	632.8	1421.1
4	705.8	702.8	702.7	589.0	621.2	693.5	1426.8
5	705.8	702.8	702.7	639.0	676.4	746.7	1431.0

6	705.9	702.9	702.8	683.5	725.3	793.3	1434.1
7	706.0	703.0	702.9	722.9	768.6	834.2	1436.6
8	706.1	703.1	703.0	757.9	806.9	870.1	1438.5
9	706.2	721.3	703.1	788.9	840.6	901.8	1440.2
10	715.2	745.9	715.3	816.4	870.4	929.8	1441.6
11	739.3	769.9	739.8	841.1	896.9	954.6	1442.8
12	761.9	791.9	762.7	863.1	920.5	976.6	1443.8
13	783.0	812.3	784.2	883.0	941.8	996.4	1444.7
14	802.8	831.2	804.4	900.9	960.9	1014.2	1445.5
15	821.4	848.7	823.3	917.2	978.2	1030.2	1446.2
16	838.8	865.0	841.2	932.0	993.8	1044.7	1446.8
17	855.3	880.3	857.9	945.7	1008.2	1057.9	1447.3
18	870.8	894.6	873.8	958.2	1021.3	1070.0	1447.8
19	885.5	908.0	888.8	969.9	1033.4	1081.1	1448.3
20	899.4	920.7	902.9	980.7	1044.5	1091.3	1448.7
21	912.5	932.6	916.4	990.8	1054.9	1100.7	1449.0
22	925.0	944.0	929.1	1000.3	1064.6	1109.5	1449.4
23	936.8	954.7	941.2	1009.9	1073.6	1117.7	1449.7
24	948.1	964.9	952.7	1019.7	1082.1	1125.3	1450.0
25	958.9	974.6	963.6	1028.9	1090.1	1132.5	1450.3
26	969.1	983.9	974.1	1037.7	1097.6	1139.3	1450.5
27	978.9	992.8	984.0	1046.1	1104.7	1145.7	1450.8
28	988.3	1001.2	993.5	1054.1	1111.5	1151.8	1451.0
29	997.3	1009.4	1002.6	1061.7	1118.0	1157.5	1451.2
30	1005.9	1017.2	1011.3	1069.0	1124.1	1163.0	1451.4
31	1014.1	1024.7	1019.7	1076.0	1130.0	1168.3	1451.6
32	1022.1	1032.1	1027.7	1082.7	1135.7	1173.3	1451.8
33	1029.7	1039.4	1035.4	1089.1	1141.0	1178.0	1451.9
34	1037.1	1046.5	1042.9	1095.3	1146.2	1182.6	1452.1
35	1044.2	1053.3	1050.0	1101.3	1151.2	1187.0	1452.2
36	1051.0	1059.9	1056.9	1107.1	1156.0	1191.3	1452.4
37	1057.6	1066.3	1063.6	1112.6	1160.6	1195.4	1452.5
38	1064.0	1072.5	1070.1	1118.0	1165.1	1199.3	1452.7
39	1070.2	1078.4	1076.3	1123.2	1169.4	1203.1	1452.8
40	1076.2	1084.2	1082.4	1128.2	1173.6	1206.8	1452.9
41	1082.0	1089.8	1088.2	1133.1	1177.6	1210.4	1453.0
42	1087.7	1095.2	1093.9	1137.8	1181.5	1213.8	1453.2
43	1093.1	1100.5	1099.4	1142.4	1185.3	1217.2	1453.3
44	1098.5	1105.7	1104.8	1146.9	1189.0	1220.4	1453.4
45	1103.6	1110.7	1110.0	1151.2	1192.6	1223.6	1453.5
46	1108.7	1115.5	1115.0	1155.4	1196.1	1226.7	1453.6
47	1113.6	1120.3	1119.9	1159.6	1199.5	1229.7	1453.7
48	1118.3	1124.9	1124.7	1163.6	1202.8	1232.6	1453.8
49	1123.0	1129.4	1129.4	1167.5	1206.0	1235.4	1453.9
50	1127.5	1133.7	1133.9	1171.3	1209.2	1238.2	1454.0
51	1132.0	1138.0	1138.3	1175.0	1212.3	1240.9	1454.1
52	1136.3	1142.3	1142.6	1178.7	1215.3	1243.6	1454.2
53	1140.5	1146.5	1146.9	1182.2	1218.2	1246.1	1454.3
54	1144.6	1150.7	1151.0	1185.7	1221.1	1248.7	1454.3
55	1148.7	1154.7	1155.0	1189.1	1223.9	1251.1	1454.4
56	1152.6	1158.6	1158.9	1192.4	1226.6	1253.6	1454.5
57	1156.6	1162.5	1162.8	1195.7	1229.3	1255.9	1454.6
58	1160.4	1166.3	1166.6	1198.9	1232.0	1258.3	1454.7
59	1164.2	1170.0	1170.3	1202.0	1234.6	1260.5	1454.7
60	1168.0	1173.6	1173.9	1205.1	1237.1	1262.8	1454.8
61	1171.6	1177.1	1177.4	1208.1	1239.6	1265.0	1454.9
62	1175.2	1180.6	1180.9	1211.0	1242.0	1267.1	1455.0
63	1178.7	1184.0	1184.3	1213.9	1244.4	1269.2	1455.0
64	1182.1	1187.4	1187.6	1216.7	1246.8	1271.3	1455.1
65	1185.5	1190.6	1190.9	1219.5	1249.1	1273.3	1455.2
66	1188.8	1193.9	1194.1	1222.3	1251.4	1275.3	1455.2
67	1192.1	1197.0	1197.3	1225.0	1253.6	1277.3	1455.3
68	1195.3	1200.1	1200.4	1227.6	1255.8	1279.2	1455.4
69	1198.4	1203.2	1203.4	1230.2	1258.0	1281.1	1455.4
70	1201.5	1206.2	1206.4	1232.8	1260.1	1283.0	1455.5
71	1204.6	1209.1	1209.4	1235.3	1262.2	1284.8	1455.5
72	1207.6	1212.0	1212.3	1237.8	1264.2	1286.6	1455.6
73	1210.6	1214.9	1215.1	1240.2	1266.3	1288.4	1455.7

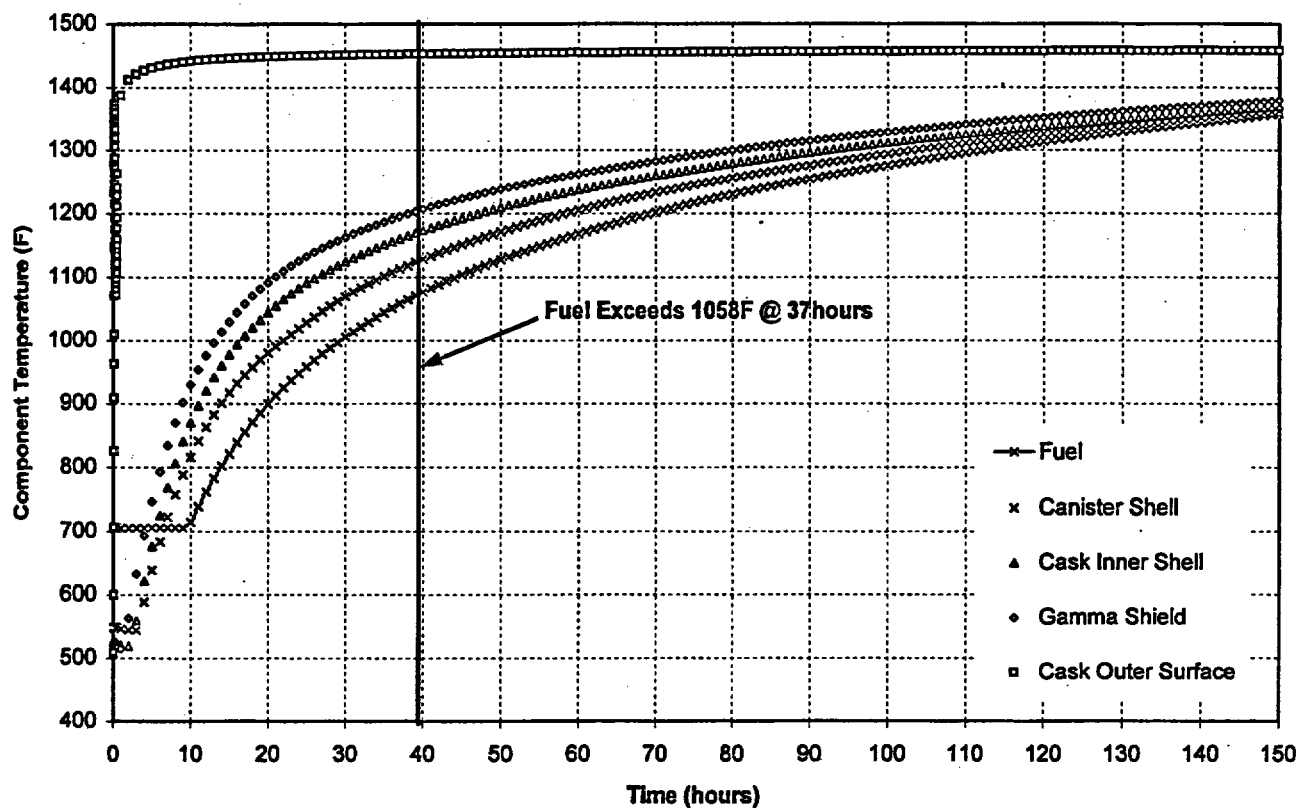
74	1213.5	1217.8	1217.9	1242.6	1268.3	1290.2	1455.7
75	1216.4	1220.6	1220.7	1245.0	1270.2	1291.9	1455.8
76	1219.3	1223.3	1223.4	1247.3	1272.2	1293.6	1455.8
77	1222.1	1226.0	1226.2	1249.6	1274.1	1295.3	1455.9
78	1224.8	1228.7	1228.8	1251.9	1276.0	1297.0	1455.9
79	1227.5	1231.3	1231.4	1254.1	1277.9	1298.6	1456.0
80	1230.2	1233.9	1234.0	1256.3	1279.7	1300.2	1456.0
81	1232.8	1236.5	1236.6	1258.5	1281.5	1301.8	1456.1
82	1235.4	1239.0	1239.1	1260.6	1283.3	1303.4	1456.1
83	1238.0	1241.5	1241.6	1262.7	1285.0	1304.9	1456.2
84	1240.5	1243.9	1244.0	1264.8	1286.8	1306.5	1456.2
85	1243.0	1246.3	1246.4	1266.9	1288.5	1308.0	1456.3
86	1245.4	1248.7	1248.8	1268.9	1290.2	1309.5	1456.3
87	1247.8	1251.1	1251.2	1270.9	1291.9	1310.9	1456.4
88	1250.2	1253.4	1253.5	1272.9	1293.5	1312.4	1456.4
89	1252.6	1255.6	1255.7	1274.8	1295.2	1313.8	1456.5
90	1254.9	1257.9	1258.0	1276.8	1296.8	1315.2	1456.5
91	1257.2	1260.1	1260.2	1278.7	1298.4	1316.6	1456.6
92	1259.5	1262.3	1262.4	1280.6	1300.0	1318.0	1456.6
93	1261.7	1264.5	1264.6	1282.4	1301.5	1319.4	1456.7
94	1264.0	1266.7	1266.8	1284.3	1303.1	1320.8	1456.7
95	1266.2	1268.8	1268.9	1286.1	1304.6	1322.1	1456.7
96	1268.3	1271.0	1271.1	1287.9	1306.1	1323.4	1456.8
97	1270.5	1273.0	1273.1	1289.6	1307.6	1324.7	1456.8
98	1272.6	1275.1	1275.2	1291.4	1309.1	1326.0	1456.9
99	1274.7	1277.1	1277.2	1293.1	1310.5	1327.3	1456.9
100	1276.8	1279.2	1279.2	1294.8	1312.0	1328.6	1456.9
101	1278.8	1281.1	1281.2	1296.5	1313.4	1329.8	1457.0
102	1280.8	1283.1	1283.2	1298.2	1314.8	1331.1	1457.0
103	1282.8	1285.1	1285.1	1299.9	1316.2	1332.3	1457.1
104	1284.8	1287.0	1287.1	1301.5	1317.6	1333.5	1457.1
105	1286.8	1288.9	1289.0	1303.2	1319.0	1334.7	1457.1
106	1288.7	1290.8	1290.8	1304.8	1320.3	1335.9	1457.2
107	1290.6	1292.6	1292.7	1306.4	1321.7	1337.1	1457.2
108	1292.5	1294.4	1294.5	1307.9	1323.0	1338.3	1457.3
109	1294.4	1296.3	1296.3	1309.5	1324.3	1339.4	1457.3
110	1296.2	1298.1	1298.1	1311.0	1325.6	1340.6	1457.3
111	1298.0	1299.8	1299.9	1312.6	1326.9	1341.7	1457.4
112	1299.8	1301.6	1301.7	1314.1	1328.2	1342.8	1457.4
113	1301.6	1303.3	1303.4	1315.6	1329.4	1343.9	1457.4
114	1303.4	1305.1	1305.1	1317.1	1330.7	1345.0	1457.5
115	1305.2	1306.8	1306.9	1318.5	1331.9	1346.1	1457.5
116	1306.9	1308.5	1308.6	1320.0	1333.1	1347.2	1457.5
117	1308.7	1310.2	1310.2	1321.4	1334.4	1348.3	1457.6
118	1310.4	1311.8	1311.9	1322.8	1335.6	1349.3	1457.6
119	1312.1	1313.5	1313.6	1324.3	1336.8	1350.4	1457.6
120	1313.7	1315.1	1315.2	1325.6	1337.9	1351.4	1457.7
121	1315.4	1316.7	1316.8	1327.0	1339.1	1352.4	1457.7
122	1317.0	1318.3	1318.4	1328.4	1340.3	1353.5	1457.7
123	1318.7	1319.9	1320.0	1329.8	1341.4	1354.5	1457.8
124	1320.3	1321.5	1321.5	1331.1	1342.6	1355.5	1457.8
125	1321.9	1323.0	1323.1	1332.4	1343.7	1356.5	1457.8
126	1323.4	1324.6	1324.6	1333.7	1344.8	1357.4	1457.9
127	1325.0	1326.1	1326.1	1335.0	1345.9	1358.4	1457.9
128	1326.5	1327.6	1327.6	1336.3	1347.0	1359.4	1457.9
129	1328.1	1329.1	1329.1	1337.6	1348.1	1360.3	1458.0
130	1329.6	1330.6	1330.6	1338.9	1349.2	1361.3	1458.0
131	1331.1	1332.0	1332.1	1340.2	1350.2	1362.2	1458.0
132	1332.6	1333.5	1333.5	1341.4	1351.3	1363.2	1458.0
133	1334.0	1334.9	1334.9	1342.6	1352.3	1364.1	1458.1
134	1335.5	1336.3	1336.3	1343.9	1353.4	1365.0	1458.1
135	1336.9	1337.7	1337.7	1345.1	1354.4	1365.9	1458.1
136	1338.4	1339.1	1339.1	1346.3	1355.4	1366.8	1458.2
137	1339.8	1340.5	1340.5	1347.5	1356.4	1367.7	1458.2
138	1341.2	1341.8	1341.9	1348.7	1357.4	1368.6	1458.2
139	1342.5	1343.2	1343.2	1349.8	1358.4	1369.4	1458.2
140	1343.9	1344.5	1344.6	1351.0	1359.4	1370.3	1458.3
141	1345.3	1345.9	1345.9	1352.1	1360.4	1371.2	1458.3

142	1346.6	1347.2	1347.2	1353.3	1361.4	1372.0	1458.3
143	1348.0	1348.5	1348.5	1354.4	1362.3	1372.9	1458.3
144	1349.3	1349.8	1349.8	1355.5	1363.3	1373.7	1458.4
145	1350.6	1351.1	1351.1	1356.6	1364.2	1374.5	1458.4
146	1351.9	1352.4	1352.4	1357.7	1365.1	1375.3	1458.4
147	1353.2	1353.6	1353.7	1358.8	1366.1	1376.2	1458.4
148	1354.5	1354.9	1354.9	1359.9	1367.0	1377.0	1458.5
149	1355.8	1356.1	1356.1	1361.0	1367.9	1377.8	1458.5
150	1357.0	1357.4	1357.4	1362.0	1368.8	1378.6	1458.5

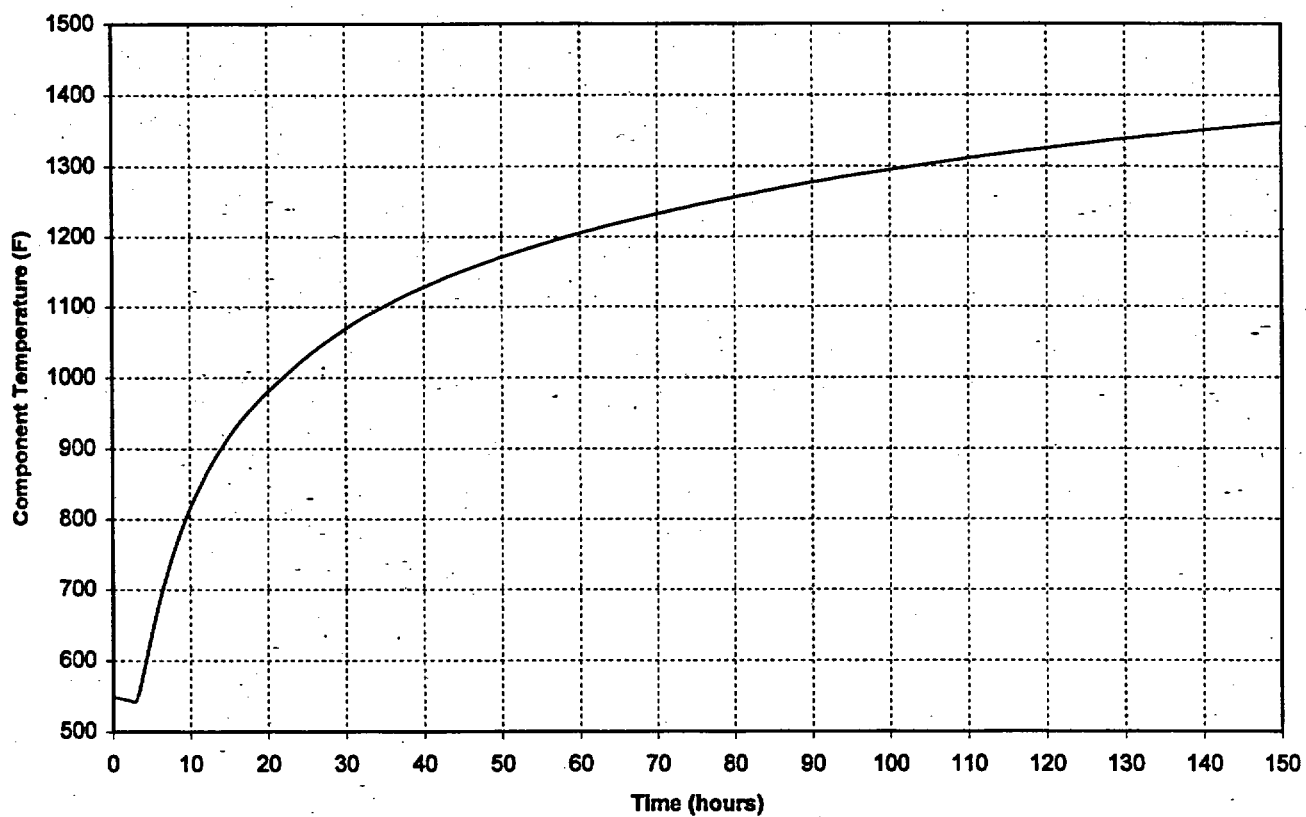
Maximum Component Temperatures As A Funtion Of Time  
(5 meter distance, fire Initiation @ time = 0 hours)



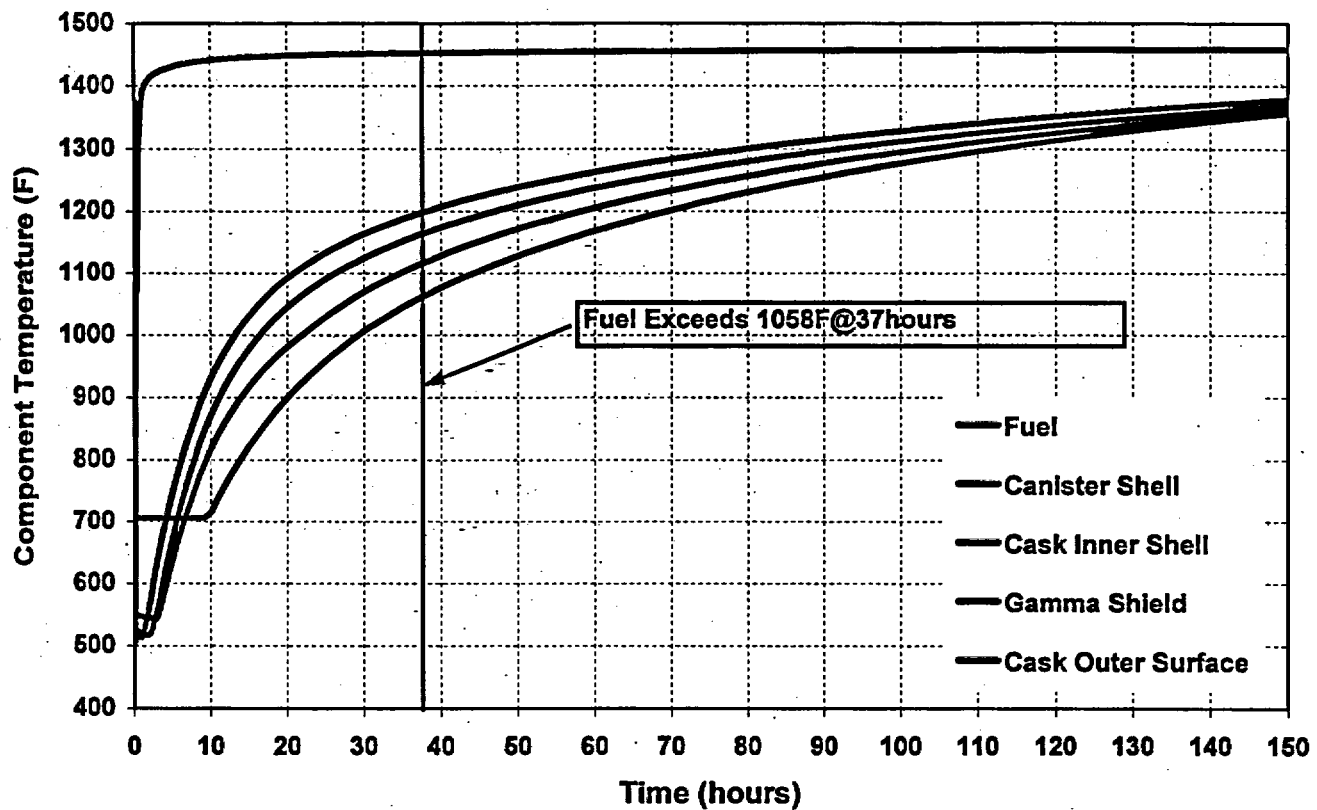
Maximum Component Temperatures As A Funtion Of Time  
(5 meter distance, fire Initiation @ time = 0 hours)



**Maximum Canister Shell Temperatures As A Funtion Of Time**  
**(5 meter distance, fire Initiation @ time = 0 hours)**



Maximum Component Temperatures As A Function Of Time  
(5 meter distance, fire initiation @ time = 0 hours)





Time:	Fuel	Bskt	Borl	MPC	Cskl	CskO	Csk
	Temp:	Temp:	Temp:	Temp:	Temp:	Temp:	Skin:
0	705.5867	702.5646	702.4712	549.0037	525.5832	519.6695	507.4758
0	705.5868	702.5646	702.4711	549.0036	525.5827	519.6603	507.5524
0.01	705.5871	702.5644	702.4706	549.0039	525.5802	519.5983	508.2719
0.02	705.5876	702.5641	702.4703	549.0039	525.5772	519.5391	508.8565
0.03	705.588	702.564	702.4702	549.0035	525.574	519.5097	509.1892
0.03	705.5885	702.564	702.4702	549.0028	525.5695	519.4903	509.4052
0.04	705.589	702.5641	702.4702	549.0014	525.5623	519.458	509.5644
0.05	705.5894	702.5642	702.4704	548.9998	525.5538	519.4231	599.8348
0.06	705.5898	702.5644	702.4705	548.9978	525.543	519.3846	707.1041
0.07	705.5903	702.5646	702.4708	548.995	525.5279	519.3378	825.7515
0.07	705.5907	702.5648	702.471	548.992	525.5121	519.2933	908.3771
0.08	705.5911	702.5651	702.4712	548.9885	525.4941	519.2468	963.4512
0.09	705.5916	702.5654	702.4716	548.9839	525.4712	519.1928	1010.162
0.1	705.592	702.5657	702.4718	548.9793	525.4488	519.1438	1070.024
0.11	705.5924	702.566	702.4721	548.9742	525.4246	519.0942	1147.533
0.12	705.5929	702.5663	702.4725	548.9677	525.3953	519.038	1232.58
0.12	705.5933	702.5666	702.4728	548.9614	525.3677	518.9878	1281.016
0.13	705.5938	702.5669	702.4731	548.9546	525.3387	518.9376	1318.664
0.14	705.5942	702.5673	702.4734	548.9463	525.3046	518.8811	1352.501
0.15	705.5947	702.5676	702.4737	548.9383	525.2732	518.831	1372.859
0.16	705.5951	702.5679	702.4741	548.9299	525.2408	518.781	1365.805
0.17	705.5956	702.5683	702.4744	548.9197	525.2032	518.7248	1359.277
0.17	705.596	702.5686	702.4748	548.9102	525.1691	518.6751	1344.259
0.18	705.5964	702.5689	702.4751	548.9002	525.1342	518.6256	1337.767
0.19	705.5969	702.5693	702.4755	548.8883	525.0942	518.5701	1333.029
0.2	705.5973	702.5696	702.4758	548.8773	525.0581	518.5209	1318.984
0.21	705.5977	702.57	702.4761	548.8658	525.0215	518.4719	1304.96
0.22	705.5982	702.5703	702.4765	548.8523	524.9798	518.417	1287.449
0.23	705.5986	702.5707	702.4768	548.8399	524.9423	518.3684	1272.034
0.23	705.599	702.571	702.4772	548.8271	524.9045	518.32	1262.321
0.24	705.5995	702.5714	702.4776	548.8121	524.8615	518.2658	1246.359
0.25	705.5999	702.5717	702.4779	548.7985	524.8231	518.2177	1232.775
0.26	705.6003	702.5721	702.4783	548.7844	524.7844	518.1698	1214.559
0.27	705.6008	702.5725	702.4786	548.7681	524.7406	518.1162	1192.467
0.28	705.6012	702.5728	702.479	548.7532	524.7014	518.0687	1175.112
0.28	705.6017	702.5732	702.4793	548.738	524.6622	518.0213	1156.263
0.29	705.6021	702.5736	702.4797	548.7205	524.6178	517.9683	1138.777
0.3	705.6025	702.5739	702.4801	548.7046	524.5782	517.9213	1125.543
0.31	705.603	702.5743	702.4804	548.6883	524.5385	517.8744	1115.879
0.32	705.6034	702.5746	702.4808	548.6696	524.4937	517.8219	1103.485
0.33	705.6038	702.575	702.4812	548.6527	524.4539	517.7754	1094.54
0.33	705.6043	702.5754	702.4815	548.6355	524.4139	517.7291	1085.954
0.34	705.6047	702.5757	702.4819	548.6158	524.3689	517.6771	1079.311
0.35	705.6051	702.5761	702.4823	548.5981	524.3289	517.6311	1078.067
0.36	705.6056	702.5765	702.4826	548.58	524.2888	517.5853	1073.292
0.37	705.606	702.5768	702.483	548.5594	524.2437	517.5339	1072.304
0.38	705.6065	702.5772	702.4834	548.5408	524.2035	517.4883	1081.204

0.38	705.6069	702.5776	702.4837	548.522	524.1634	517.4429	1089.919
0.39	705.6073	702.578	702.4841	548.5005	524.1182	517.392	1097.13
0.4	705.6077	702.5783	702.4845	548.4812	524.0781	517.3469	1106.341
0.41	705.6082	702.5787	702.4848	548.4617	524.038	517.302	1121.531
0.42	705.6086	702.5791	702.4852	548.4395	523.9929	517.2516	1135.191
0.42	705.609	702.5794	702.4856	548.4195	523.9528	517.2069	1143.79
0.43	705.6095	702.5798	702.4859	548.3994	523.9127	517.1624	1150.458
0.44	705.6099	702.5802	702.4863	548.3765	523.8677	517.1125	1159.713
0.45	705.6103	702.5805	702.4867	548.356	523.8277	517.0683	1177.056
0.46	705.6108	702.5809	702.4871	548.3353	523.7878	517.0242	1192.845
0.47	705.6112	702.5813	702.4875	548.3118	523.7429	516.9748	1211.09
0.47	705.6116	702.5817	702.4878	548.2907	523.703	516.931	1227.412
0.48	705.612	702.582	702.4882	548.2695	523.6632	516.8873	1240.536
0.49	705.6125	702.5824	702.4886	548.2455	523.6185	516.8383	1263.594
1	705.6383	702.6058	702.512	546.828	521.4402	514.5503	1386.788
2	705.6884	702.6532	702.5593	544.9506	519.0811	563.5014	1411.894
3	705.7386	702.7023	702.6084	544.4742	559.2905	632.7874	1421.054
4	705.7901	702.7543	702.6605	589.0405	621.2367	693.4636	1426.836
5	705.8449	702.8118	702.7181	639.0062	676.4354	746.6849	1430.964
6	705.9058	702.8783	702.7849	683.4706	725.3041	793.319	1434.087
7	705.9767	702.9585	702.8654	722.9166	768.628	834.1845	1436.55
8	706.0625	703.0581	702.9654	757.868	806.8672	870.1466	1438.548
9	706.169	721.2992	703.0917	788.8767	840.5893	901.8204	1440.202
10	715.1632	745.9307	715.3375	816.3996	870.3912	929.7862	1441.592
11	739.2951	769.8994	739.804	841.0728	896.8517	954.5786	1442.776
12	761.8693	791.9426	762.71	863.1423	920.5158	976.645	1443.798
13	783.0012	812.3033	784.2069	882.9771	941.7569	996.4144	1444.688
14	802.8015	831.1665	804.3859	900.89	960.8723	1014.176	1445.47
15	821.3744	848.6913	823.3379	917.1674	978.1568	1030.195	1446.16
16	838.8457	865.0193	841.1541	932.0373	993.8485	1044.707	1446.774
17	855.308	880.2775	857.9421	945.6688	1008.166	1057.91	1447.324
18	870.8356	894.5782	873.7913	958.2243	1021.284	1069.976	1447.818
19	885.5039	908.0172	888.7694	969.8694	1033.364	1081.052	1448.265
20	899.3798	920.6785	902.9388	980.7122	1044.528	1091.262	1448.672
21	912.5263	932.6363	916.3623	990.8327	1054.896	1100.712	1449.043
22	924.9988	943.9551	929.093	1000.316	1064.554	1109.493	1449.385
23	936.8496	954.6929	941.1823	1009.875	1073.592	1117.683	1449.699
24	948.1258	964.9003	952.677	1019.657	1082.072	1125.347	1449.991
25	958.8705	974.6223	963.6205	1028.927	1090.057	1132.544	1450.262
26	969.1224	983.8983	974.0522	1037.731	1097.599	1139.323	1450.515
27	978.9169	992.7636	984.0087	1046.108	1104.741	1145.726	1450.752
28	988.2862	1001.25	993.5229	1054.094	1111.524	1151.79	1450.975
29	997.2598	1009.385	1002.625	1061.719	1117.982	1157.549	1451.185
30	1005.865	1017.194	1011.344	1069.013	1124.141	1163.029	1451.384
31	1014.125	1024.702	1019.706	1076	1130.023	1168.256	1451.572
32	1022.065	1032.058	1027.733	1082.702	1135.651	1173.252	1451.75
33	1029.704	1039.412	1035.448	1089.141	1141.044	1178.035	1451.921
34	1037.063	1046.496	1042.871	1095.335	1146.221	1182.623	1452.083
35	1044.157	1053.327	1050.02	1101.299	1151.199	1187.031	1452.238

36	1051.005	1059.922	1056.947	1107.051	1155.992	1191.272	1452.387
37	1057.62	1066.294	1063.633	1112.602	1160.613	1195.358	1452.53
38	1064.017	1072.457	1070.092	1117.967	1165.073	1199.301	1452.667
39	1070.208	1078.423	1076.337	1123.156	1169.385	1203.109	1452.799
40	1076.205	1084.203	1082.381	1128.18	1173.556	1206.793	1452.926
41	1082.019	1089.808	1088.236	1133.05	1177.597	1210.359	1453.049
42	1087.66	1095.247	1093.911	1137.783	1181.514	1213.815	1453.168
43	1093.136	1100.53	1099.417	1142.381	1185.316	1217.168	1453.283
44	1098.457	1105.664	1104.762	1146.857	1189.009	1220.424	1453.394
45	1103.631	1110.658	1109.955	1151.209	1192.598	1223.588	1453.502
46	1108.665	1115.518	1115.004	1155.442	1196.091	1226.666	1453.606
47	1113.566	1120.25	1119.916	1159.564	1199.491	1229.663	1453.708
48	1118.341	1124.862	1124.698	1163.579	1202.804	1232.582	1453.806
49	1122.995	1129.359	1129.356	1167.494	1206.035	1235.427	1453.902
50	1127.535	1133.746	1133.897	1171.312	1209.186	1238.203	1453.995
51	1131.965	1138.029	1138.324	1175.038	1212.263	1240.912	1454.086
52	1136.29	1142.326	1142.645	1178.677	1215.268	1243.558	1454.175
53	1140.516	1146.548	1146.863	1182.233	1218.205	1246.144	1454.262
54	1144.646	1150.673	1150.984	1185.709	1221.078	1248.672	1454.346
55	1148.685	1154.704	1155.01	1189.108	1223.888	1251.145	1454.428
56	1152.636	1158.645	1158.948	1192.435	1226.638	1253.565	1454.509
57	1156.553	1162.501	1162.799	1195.691	1229.332	1255.935	1454.588
58	1160.435	1166.274	1166.568	1198.88	1231.971	1258.257	1454.665
59	1164.239	1169.969	1170.259	1202.005	1234.558	1260.533	1454.74
60	1167.964	1173.587	1173.873	1205.068	1237.095	1262.765	1454.814
61	1171.614	1177.133	1177.415	1208.072	1239.584	1264.953	1454.886
62	1175.192	1180.608	1180.887	1211.018	1242.026	1267.101	1454.957
63	1178.7	1184.017	1184.292	1213.909	1244.423	1269.21	1455.027
64	1182.142	1187.36	1187.631	1216.748	1246.778	1271.28	1455.095
65	1185.518	1190.641	1190.909	1219.535	1249.091	1273.315	1455.162
66	1188.832	1193.862	1194.126	1222.273	1251.365	1275.314	1455.227
67	1192.087	1197.025	1197.286	1224.964	1253.6	1277.279	1455.292
68	1195.283	1200.132	1200.389	1227.609	1255.798	1279.211	1455.355
69	1198.423	1203.184	1203.438	1230.21	1257.96	1281.112	1455.417
70	1201.514	1206.185	1206.435	1232.767	1260.088	1282.983	1455.478
71	1204.598	1209.135	1209.382	1235.289	1262.182	1284.824	1455.539
72	1207.63	1212.036	1212.28	1237.77	1264.244	1286.637	1455.598
73	1210.612	1214.924	1215.13	1240.213	1266.274	1288.422	1455.656
74	1213.545	1217.768	1217.935	1242.618	1268.274	1290.18	1455.713
75	1216.431	1220.566	1220.695	1244.987	1270.245	1291.913	1455.769
76	1219.27	1223.321	1223.445	1247.32	1272.187	1293.62	1455.825
77	1222.065	1226.032	1226.154	1249.619	1274.102	1295.303	1455.879
78	1224.817	1228.702	1228.822	1251.884	1275.989	1296.962	1455.933
79	1227.527	1231.332	1231.449	1254.117	1277.851	1298.598	1455.986
80	1230.197	1233.923	1234.038	1256.318	1279.687	1300.212	1456.038
81	1232.827	1236.475	1236.588	1258.489	1281.498	1301.804	1456.09
82	1235.418	1238.991	1239.102	1260.63	1283.285	1303.375	1456.14
83	1237.972	1241.471	1241.579	1262.742	1285.049	1304.926	1456.19
84	1240.49	1243.916	1244.022	1264.826	1286.791	1306.456	1456.24

85	1242.972	1246.327	1246.431	1266.883	1288.51	1307.967	1456.288
86	1245.42	1248.705	1248.807	1268.912	1290.207	1309.459	1456.337
87	1247.835	1251.051	1251.15	1270.916	1291.883	1310.932	1456.384
88	1250.217	1253.365	1253.463	1272.894	1293.539	1312.387	1456.431
89	1252.567	1255.649	1255.744	1274.847	1295.175	1313.825	1456.477
90	1254.886	1257.902	1257.996	1276.776	1296.791	1315.245	1456.523
91	1257.175	1260.127	1260.227	1278.682	1298.388	1316.649	1456.568
92	1259.46	1262.34	1262.448	1280.564	1299.967	1318.036	1456.612
93	1261.72	1264.534	1264.64	1282.424	1301.527	1319.407	1456.656
94	1263.951	1266.701	1266.805	1284.261	1303.069	1320.762	1456.699
95	1266.154	1268.841	1268.942	1286.077	1304.594	1322.102	1456.742
96	1268.329	1270.954	1271.054	1287.872	1306.102	1323.427	1456.785
97	1270.478	1273.041	1273.139	1289.646	1307.593	1324.737	1456.827
98	1272.6	1275.103	1275.199	1291.4	1309.068	1326.034	1456.868
99	1274.696	1277.141	1277.235	1293.134	1310.526	1327.316	1456.909
100	1276.768	1279.154	1279.246	1294.849	1311.969	1328.584	1456.949
101	1278.814	1281.143	1281.234	1296.545	1313.397	1329.839	1456.989
102	1280.837	1283.109	1283.198	1298.224	1314.81	1331.081	1457.029
103	1282.836	1285.053	1285.14	1299.887	1316.208	1332.31	1457.068
104	1284.812	1286.974	1287.059	1301.532	1317.591	1333.526	1457.107
105	1286.765	1288.873	1288.956	1303.16	1318.96	1334.73	1457.145
106	1288.696	1290.751	1290.833	1304.77	1320.315	1335.921	1457.183
107	1290.605	1292.608	1292.688	1306.363	1321.657	1337.101	1457.22
108	1292.492	1294.444	1294.522	1307.939	1322.984	1338.268	1457.257
109	1294.359	1296.26	1296.336	1309.499	1324.299	1339.423	1457.294
110	1296.205	1298.056	1298.131	1311.043	1325.6	1340.568	1457.33
111	1298.03	1299.832	1299.906	1312.571	1326.889	1341.7	1457.366
112	1299.836	1301.589	1301.661	1314.084	1328.165	1342.822	1457.401
113	1301.627	1303.339	1303.408	1315.58	1329.428	1343.932	1457.436
114	1303.413	1305.077	1305.144	1317.062	1330.679	1345.032	1457.471
115	1305.18	1306.796	1306.862	1318.529	1331.918	1346.122	1457.506
116	1306.929	1308.498	1308.562	1319.981	1333.145	1347.2	1457.54
117	1308.659	1310.181	1310.244	1321.419	1334.36	1348.269	1457.573
118	1310.37	1311.847	1311.908	1322.843	1335.564	1349.327	1457.607
119	1312.064	1313.495	1313.555	1324.252	1336.757	1350.375	1457.64
120	1313.739	1315.127	1315.185	1325.648	1337.938	1351.414	1457.673
121	1315.398	1316.741	1316.798	1327.031	1339.108	1352.442	1457.705
122	1317.039	1318.339	1318.395	1328.4	1340.267	1353.462	1457.737
123	1318.664	1319.921	1319.975	1329.755	1341.416	1354.471	1457.769
124	1320.271	1321.487	1321.539	1331.098	1342.554	1355.472	1457.801
125	1321.863	1323.037	1323.088	1332.428	1343.681	1356.463	1457.832
126	1323.438	1324.571	1324.62	1333.745	1344.798	1357.445	1457.863
127	1324.997	1326.09	1326.138	1335.049	1345.905	1358.418	1457.893
128	1326.541	1327.593	1327.64	1336.342	1347.001	1359.382	1457.924
129	1328.069	1329.082	1329.127	1337.623	1348.088	1360.338	1457.954
130	1329.582	1330.556	1330.6	1338.896	1349.165	1361.285	1457.984
131	1331.08	1332.016	1332.058	1340.156	1350.232	1362.224	1458.013
132	1332.563	1333.461	1333.502	1341.405	1351.29	1363.154	1458.042
133	1334.031	1334.892	1334.932	1342.642	1352.338	1364.076	1458.071

134	1335.485	1336.309	1336.348	1343.868	1353.377	1364.99	1458.1
135	1336.925	1337.712	1337.75	1345.082	1354.407	1365.895	1458.128
136	1338.351	1339.102	1339.138	1346.285	1355.427	1366.793	1458.156
137	1339.763	1340.478	1340.513	1347.477	1356.439	1367.682	1458.184
138	1341.161	1341.841	1341.875	1348.658	1357.441	1368.564	1458.212
139	1342.545	1343.192	1343.223	1349.828	1358.435	1369.438	1458.239
140	1343.917	1344.543	1344.568	1350.988	1359.42	1370.304	1458.266
141	1345.275	1345.88	1345.905	1352.137	1360.396	1371.163	1458.293
142	1346.62	1347.205	1347.228	1353.275	1361.364	1372.014	1458.319
143	1347.96	1348.517	1348.54	1354.403	1362.323	1372.857	1458.346
144	1349.294	1349.817	1349.838	1355.521	1363.273	1373.693	1458.372
145	1350.614	1351.104	1351.125	1356.629	1364.215	1374.522	1458.398
146	1351.922	1352.38	1352.399	1357.726	1365.149	1375.343	1458.423
147	1353.217	1353.643	1353.661	1358.814	1366.075	1376.158	1458.449
148	1354.5	1354.894	1354.911	1359.892	1366.993	1376.965	1458.474
149	1355.771	1356.133	1356.15	1360.961	1367.903	1377.765	1458.499
150	1357.03	1357.361	1357.377	1362.02	1368.805	1378.558	1458.524

NCT Canister gas Pressure = 73.48 psi  
NCT Canister gas Temperature = 483 F

Canister Thickness = 0.5 in  
Canister Radius = 33.9375 in

Estimated Ending gas Temperature = 1200 F - Assumed worst case  
Calculated Ending Internal Pressure = 114.6537 psi-gage  
Assumed Cask Internal Pressure = 0 psi-gage  
(Based on seal rupture)

Axial Stress = 3891.1 psi  
Radial Stress = -57.3 psi  
Hoop Stress = 7782.1 psi

Equivalent Stress (von Mises) = 6789 psi ~ 34 Years to take corrective action!  
@ 1112 F

Time (hours)	Fuel	Basket	Boral	Canister Shell	Cask Inner Shell	Gamma Shield	Cask Outer Surface
0	705.6	702.6	702.5	549.0	525.6	519.7	507.5
0.01	705.6	702.6	702.5	549.0	525.6	519.6	508.3
0.02	705.6	702.6	702.5	549.0	525.6	519.5	508.9
0.03	705.6	702.6	702.5	549.0	525.6	519.5	509.2
0.03	705.6	702.6	702.5	549.0	525.6	519.5	509.4
0.04	705.6	702.6	702.5	549.0	525.6	519.5	509.6
0.05	705.6	702.6	702.5	549.0	525.6	519.4	509.7
0.06	705.6	702.6	702.5	549.0	525.5	519.4	509.7
0.07	705.6	702.6	702.5	549.0	525.5	519.3	509.8
0.07	705.6	702.6	702.5	549.0	525.5	519.3	509.8
0.08	705.6	702.6	702.5	549.0	525.5	519.2	509.8
0.09	705.6	702.6	702.5	549.0	525.5	519.2	509.8
0.1	705.6	702.6	702.5	549.0	525.4	519.1	509.8
0.11	705.6	702.6	702.5	549.0	525.4	519.1	527.4
0.12	705.6	702.6	702.5	549.0	525.4	519.0	568.2
0.12	705.6	702.6	702.5	549.0	525.4	519.0	614.7
0.13	705.6	702.6	702.5	549.0	525.3	518.9	665.6
0.14	705.6	702.6	702.5	548.9	525.3	518.9	724.9
0.15	705.6	702.6	702.5	548.9	525.3	518.8	763.8
0.16	705.6	702.6	702.5	548.9	525.2	518.8	801.8
0.17	705.6	702.6	702.5	548.9	525.2	518.7	843.6
0.17	705.6	702.6	702.5	548.9	525.2	518.7	875.9
0.18	705.6	702.6	702.5	548.9	525.1	518.6	912.9
0.19	705.6	702.6	702.5	548.9	525.1	518.6	937.1
0.2	705.6	702.6	702.5	548.9	525.1	518.5	943.0
0.21	705.6	702.6	702.5	548.9	525.0	518.5	939.1
0.22	705.6	702.6	702.5	548.9	525.0	518.4	932.8
0.23	705.6	702.6	702.5	548.8	524.9	518.4	921.7
0.23	705.6	702.6	702.5	548.8	524.9	518.3	910.8
0.24	705.6	702.6	702.5	548.8	524.9	518.3	898.6
0.25	705.6	702.6	702.5	548.8	524.8	518.2	887.8
0.26	705.6	702.6	702.5	548.8	524.8	518.2	879.3
0.27	705.6	702.6	702.5	548.8	524.7	518.1	868.8

0.28	705.6	702.6	702.5	548.8	524.7	518.1	859.1
0.28	705.6	702.6	702.5	548.7	524.7	518.0	850.9
0.29	705.6	702.6	702.5	548.7	524.6	518.0	842.3
0.3	705.6	702.6	702.5	548.7	524.6	517.9	834.6
0.31	705.6	702.6	702.5	548.7	524.5	517.9	827.4
0.32	705.6	702.6	702.5	548.7	524.5	517.8	824.9
0.33	705.6	702.6	702.5	548.7	524.5	517.8	823.9
0.33	705.6	702.6	702.5	548.6	524.4	517.7	825.0
0.34	705.6	702.6	702.5	548.6	524.4	517.7	827.8
0.35	705.6	702.6	702.5	548.6	524.3	517.6	828.6
0.36	705.6	702.6	702.5	548.6	524.3	517.6	833.5
0.37	705.6	702.6	702.5	548.6	524.2	517.5	841.3
0.38	705.6	702.6	702.5	548.5	524.2	517.5	847.2
0.38	705.6	702.6	702.5	548.5	524.2	517.4	851.1
0.39	705.6	702.6	702.5	548.5	524.1	517.4	855.3
0.4	705.6	702.6	702.5	548.5	524.1	517.3	859.9
0.41	705.6	702.6	702.5	548.5	524.0	517.3	864.5
0.42	705.6	702.6	702.5	548.4	524.0	517.3	870.8
0.42	705.6	702.6	702.5	548.4	524.0	517.2	876.3
0.43	705.6	702.6	702.5	548.4	523.9	517.2	882.6
0.44	705.6	702.6	702.5	548.4	523.9	517.1	889.7
0.45	705.6	702.6	702.5	548.4	523.8	517.1	895.2
0.46	705.6	702.6	702.5	548.3	523.8	517.0	903.1
0.47	705.6	702.6	702.5	548.3	523.7	517.0	910.2
0.47	705.6	702.6	702.5	548.3	523.7	516.9	917.0
0.48	705.6	702.6	702.5	548.3	523.7	516.9	923.9
0.49	705.6	702.6	702.5	548.2	523.6	516.8	929.9
1	705.6	702.6	702.5	546.8	521.4	514.4	1009.1
2	705.7	702.7	702.6	544.3	517.9	510.8	1046.5
3	705.7	702.7	702.6	542.4	515.5	544.0	1063.6
4	705.8	702.7	702.7	541.2	540.0	587.9	1074.5
5	705.8	702.8	702.7	558.8	579.7	626.7	1082.4
6	705.9	702.9	702.8	591.0	615.5	661.1	1088.5
7	705.9	702.9	702.8	620.0	647.4	691.6	1093.5



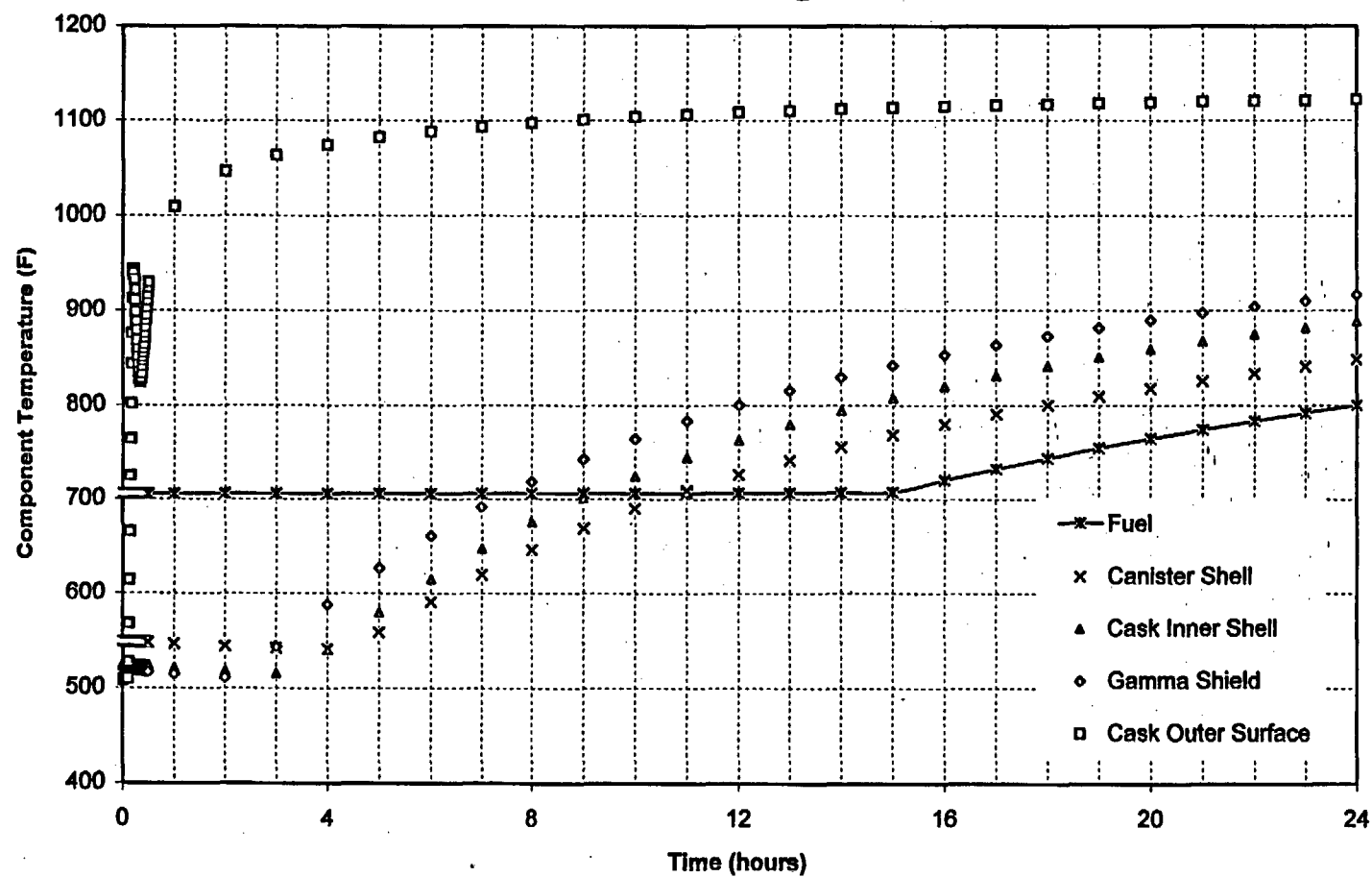
8	706.0	703.0	702.9	646.0	675.9	718.7	1097.5
9	706.1	703.1	703.0	669.3	701.3	742.7	1101.0
10	706.2	703.1	703.1	690.2	724.1	764.1	1103.9
11	706.3	703.3	703.2	709.0	744.5	783.2	1106.5
12	706.4	703.4	703.3	726.0	762.8	800.3	1108.7
13	706.5	703.6	703.5	741.4	779.2	815.6	1110.6
14	706.7	712.1	703.7	755.3	794.1	829.5	1112.3
15	707.4	725.2	708.2	768.1	807.6	842.0	1113.8
16	720.2	737.4	721.2	779.7	819.9	853.4	1115.2
17	732.2	748.9	733.5	790.4	831.1	863.7	1116.4
18	743.6	759.6	745.0	800.2	841.4	873.2	1117.5
19	754.3	769.6	756.0	809.4	850.9	881.9	1118.5
20	764.5	779.1	766.3	817.9	859.6	889.9	1119.4
21	774.1	788.0	776.1	825.8	867.8	897.3	1120.2
22	783.2	796.4	785.4	833.3	875.3	904.2	1121.0
23	791.9	804.4	794.3	841.2	882.3	910.6	1121.7
24	800.2	812.0	802.7	848.5	888.9	916.6	1122.3
25	808.1	819.3	810.7	855.5	895.1	922.1	1122.9
26	815.6	826.1	818.4	862.1	900.9	927.4	1123.5
27	822.8	832.7	825.7	868.4	906.4	932.3	1124.0
28	829.7	839.0	832.6	874.4	911.6	937.0	1124.5
29	836.3	845.0	839.3	880.1	916.5	941.4	1124.9
30	842.6	850.8	845.7	885.5	921.1	945.5	1125.4
31	848.6	856.3	851.9	890.7	925.6	949.5	1125.8
32	854.5	861.6	857.8	895.7	929.8	953.3	1126.1
33	860.1	866.7	863.5	900.4	933.8	956.9	1126.5
34	865.5	871.7	868.9	905.0	937.7	960.3	1126.9
35	870.7	876.6	874.2	909.4	941.4	963.6	1127.2
36	875.7	881.4	879.2	913.7	944.9	966.8	1127.5
37	880.5	886.1	884.1	917.8	948.3	969.8	1127.8
38	885.2	890.6	888.8	921.7	951.6	972.7	1128.1
39	889.7	894.9	893.4	925.5	954.8	975.5	1128.4
40	894.1	899.2	897.8	929.2	957.8	978.2	1128.6
41	898.3	903.2	902.1	932.7	960.8	980.8	1128.9
42	902.4	907.2	906.2	936.2	963.6	983.4	1129.2
43	906.4	911.0	910.2	939.5	966.4	985.8	1129.4
44	910.3	914.7	914.1	942.7	969.0	988.2	1129.6
45	914.0	918.4	917.9	945.8	971.6	990.4	1129.8
46	917.6	921.9	921.6	948.9	974.1	992.7	1130.1

47	921.2	925.3	925.1	951.8	976.6	994.8	1130.3
48	924.6	928.6	928.6	954.7	978.9	996.9	1130.5
49	928.0	931.8	931.9	957.5	981.2	998.9	1130.7
50	931.2	935.0	935.2	960.2	983.5	1000.9	1130.9
51	934.4	938.2	938.4	962.8	985.6	1002.8	1131.0
52	937.5	941.3	941.5	965.4	987.8	1004.7	1131.2
53	940.5	944.3	944.5	968.0	989.8	1006.5	1131.4
54	943.5	947.3	947.5	970.4	991.8	1008.3	1131.6
55	946.5	950.2	950.4	972.8	993.8	1010.1	1131.7
56	949.4	953.0	953.2	975.2	995.7	1011.8	1131.9
57	952.3	955.7	955.9	977.5	997.6	1013.4	1132.0
58	955.0	958.4	958.6	979.7	999.4	1015.0	1132.2
59	957.7	961.1	961.2	981.9	1001.2	1016.6	1132.4
60	960.4	963.6	963.8	984.0	1003.0	1018.2	1132.5
61	963.1	966.1	966.3	986.1	1004.7	1019.7	1132.6
62	965.6	968.6	968.8	988.2	1006.4	1021.2	1132.8
63	968.2	971.1	971.2	990.2	1008.1	1022.6	1132.9
64	970.7	973.5	973.6	992.2	1009.7	1024.1	1133.1
65	973.1	975.8	975.9	994.1	1011.3	1025.5	1133.2
66	975.5	978.1	978.2	996.0	1012.8	1026.8	1133.3
67	977.8	980.4	980.5	997.9	1014.3	1028.2	1133.4
68	980.1	982.6	982.7	999.7	1015.8	1029.5	1133.6
69	982.4	984.8	984.8	1001.5	1017.3	1030.8	1133.7
70	984.6	986.9	987.0	1003.2	1018.7	1032.1	1133.8
71	986.7	989.0	989.1	1005.0	1020.2	1033.3	1133.9
72	988.9	991.1	991.2	1006.7	1021.5	1034.5	1134.0
73	991.0	993.1	993.2	1008.3	1022.9	1035.8	1134.1
74	993.1	995.2	995.2	1010.0	1024.3	1036.9	1134.3
75	995.2	997.1	997.2	1011.6	1025.6	1038.1	1134.4
76	997.2	999.1	999.1	1013.2	1026.9	1039.3	1134.5
77	999.2	1001.0	1001.1	1014.8	1028.2	1040.4	1134.6
78	1001.1	1002.9	1002.9	1016.3	1029.4	1041.5	1134.7
79	1003.0	1004.7	1004.8	1017.8	1030.7	1042.6	1134.8
80	1004.9	1006.5	1006.6	1019.3	1031.9	1043.7	1134.9
81	1006.7	1008.3	1008.4	1020.8	1033.1	1044.7	1135.0
82	1008.6	1010.1	1010.2	1022.2	1034.3	1045.8	1135.1
83	1010.4	1011.9	1011.9	1023.6	1035.4	1046.8	1135.2
84	1012.2	1013.6	1013.6	1025.0	1036.6	1047.8	1135.3
85	1013.9	1015.3	1015.3	1026.4	1037.7	1048.8	1135.3

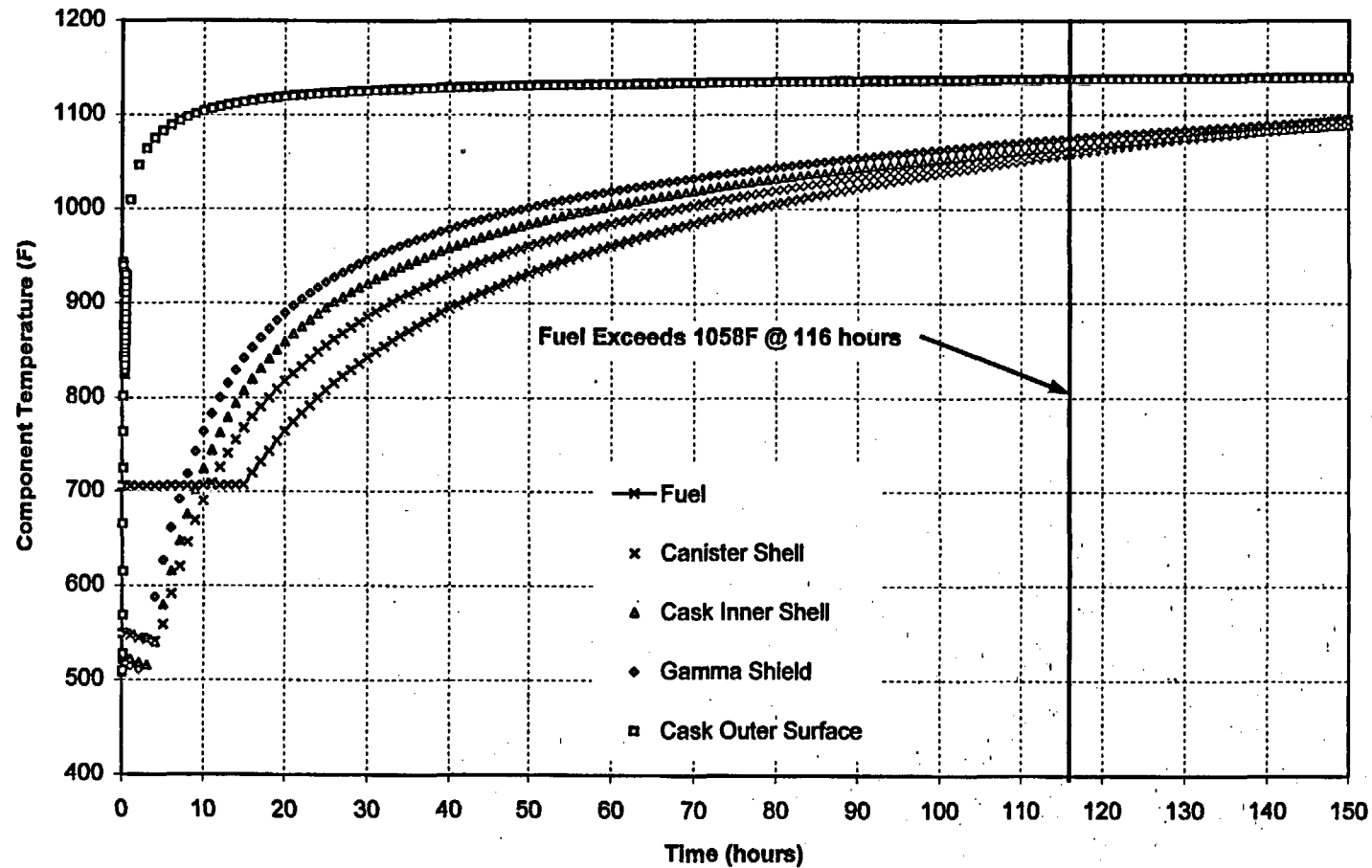
86	1015.7	1017.0	1017.0	1027.8	1038.8	1049.8	1135.4
87	1017.4	1018.6	1018.7	1029.1	1039.9	1050.8	1135.5
88	1019.1	1020.2	1020.3	1030.5	1041.0	1051.7	1135.6
89	1020.7	1021.9	1021.9	1031.8	1042.1	1052.7	1135.7
90	1022.3	1023.4	1023.5	1033.1	1043.2	1053.6	1135.8
91	1023.9	1025.0	1025.0	1034.3	1044.2	1054.5	1135.9
92	1025.5	1026.5	1026.6	1035.6	1045.2	1055.4	1136.0
93	1027.1	1028.0	1028.1	1036.8	1046.2	1056.3	1136.0
94	1028.6	1029.5	1029.6	1038.0	1047.2	1057.2	1136.1
95	1030.2	1031.0	1031.0	1039.2	1048.2	1058.1	1136.2
96	1031.7	1032.5	1032.5	1040.4	1049.2	1058.9	1136.3
97	1033.1	1033.9	1033.9	1041.6	1050.2	1059.8	1136.4
98	1034.6	1035.3	1035.3	1042.8	1051.1	1060.6	1136.4
99	1036.0	1036.7	1036.7	1043.9	1052.1	1061.4	1136.5
100	1037.5	1038.1	1038.1	1045.0	1053.0	1062.3	1136.6
101	1038.9	1039.5	1039.5	1046.2	1053.9	1063.1	1136.7
102	1040.3	1040.8	1040.9	1047.3	1054.8	1063.9	1136.7
103	1041.7	1042.2	1042.2	1048.4	1055.7	1064.7	1136.8
104	1043.0	1043.5	1043.5	1049.4	1056.6	1065.4	1136.9
105	1044.4	1044.8	1044.8	1050.5	1057.5	1066.2	1136.9
106	1045.7	1046.1	1046.1	1051.6	1058.3	1067.0	1137.0
107	1047.0	1047.4	1047.4	1052.6	1059.2	1067.7	1137.1
108	1048.3	1048.6	1048.6	1053.6	1060.0	1068.5	1137.1
109	1049.6	1049.9	1049.9	1054.8	1060.9	1069.2	1137.2
110	1050.9	1051.1	1051.1	1055.7	1061.7	1069.9	1137.3
111	1052.1	1052.3	1052.3	1056.7	1062.5	1070.7	1137.3
112	1053.3	1053.5	1053.5	1057.6	1063.3	1071.4	1137.4
113	1054.6	1054.7	1054.7	1058.6	1064.1	1072.1	1137.5
114	1055.8	1055.9	1055.9	1059.6	1064.9	1072.8	1137.5
115	1057.0	1057.0	1057.0	1060.5	1065.7	1073.5	1137.6
116	1058.1	1058.2	1058.2	1061.5	1066.5	1074.1	1137.7
117	1059.3	1059.3	1059.3	1062.4	1067.2	1074.8	1137.7
118	1060.5	1060.4	1060.4	1063.3	1068.0	1075.5	1137.8
119	1061.6	1061.5	1061.5	1064.3	1068.7	1076.1	1137.8
120	1062.8	1062.6	1062.6	1065.2	1069.5	1076.8	1137.9
121	1064.0	1063.7	1063.7	1066.1	1070.2	1077.4	1138.0
122	1065.1	1064.8	1064.8	1067.0	1070.9	1078.1	1138.0
123	1066.3	1065.9	1065.9	1067.8	1071.7	1078.7	1138.1
124	1067.4	1066.9	1066.9	1068.7	1072.4	1079.3	1138.1

125	1068.5	1068.0	1068.0	1069.6	1073.1	1080.0	1138.2
126	1069.7	1069.0	1069.0	1070.4	1073.8	1080.6	1138.2
127	1070.8	1070.0	1070.0	1071.3	1074.5	1081.2	1138.3
128	1071.9	1071.0	1071.0	1072.2	1075.2	1081.8	1138.4
129	1073.0	1072.0	1072.0	1073.0	1075.8	1082.4	1138.4
130	1074.0	1073.0	1073.0	1073.8	1076.5	1083.0	1138.5
131	1075.2	1074.0	1074.0	1074.7	1077.2	1083.6	1138.5
132	1076.3	1075.0	1075.0	1075.5	1077.8	1084.1	1138.6
133	1077.4	1076.0	1075.9	1076.3	1078.5	1084.7	1138.6
134	1078.5	1076.9	1076.9	1077.1	1079.1	1085.3	1138.7
135	1079.6	1077.9	1077.8	1077.9	1079.8	1085.8	1138.7
136	1080.7	1078.8	1078.8	1078.7	1080.4	1086.4	1138.8
137	1081.8	1079.8	1079.8	1079.5	1081.0	1087.0	1138.8
138	1082.9	1080.8	1080.8	1080.2	1081.6	1087.5	1138.9
139	1083.9	1081.9	1081.8	1081.0	1082.2	1088.0	1138.9
140	1084.9	1082.9	1082.8	1081.8	1082.9	1088.6	1139.0
141	1086.0	1083.9	1083.8	1082.5	1083.5	1089.1	1139.0
142	1087.0	1084.9	1084.9	1083.3	1084.1	1089.6	1139.1
143	1088.0	1086.0	1085.9	1084.0	1084.6	1090.2	1139.1
144	1089.1	1087.0	1086.9	1084.7	1085.2	1090.7	1139.1
145	1090.1	1088.0	1087.9	1085.5	1085.8	1091.2	1139.2
146	1091.2	1088.9	1088.9	1086.2	1086.4	1091.7	1139.2
147	1092.2	1089.9	1089.9	1086.9	1087.0	1092.2	1139.3
148	1093.2	1090.9	1090.9	1087.6	1087.5	1092.7	1139.3
149	1094.2	1091.9	1091.9	1088.3	1088.1	1093.2	1139.4
150	1095.2	1092.9	1092.9	1089.0	1088.6	1093.7	1139.4

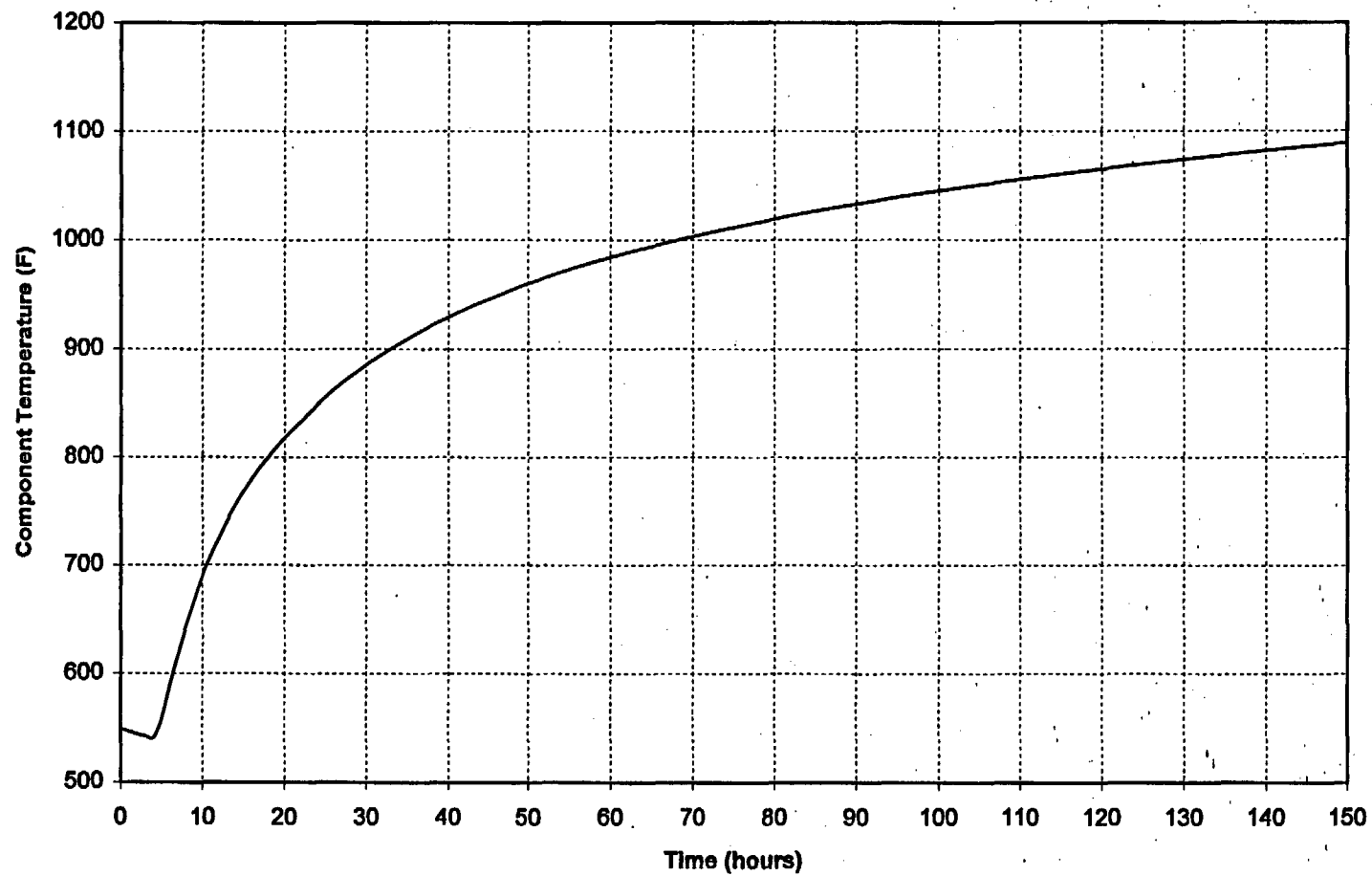
Maximum Component Temperatures As A Function Of Time  
(20 meter distance, fire initiation @ time = 0 hours)



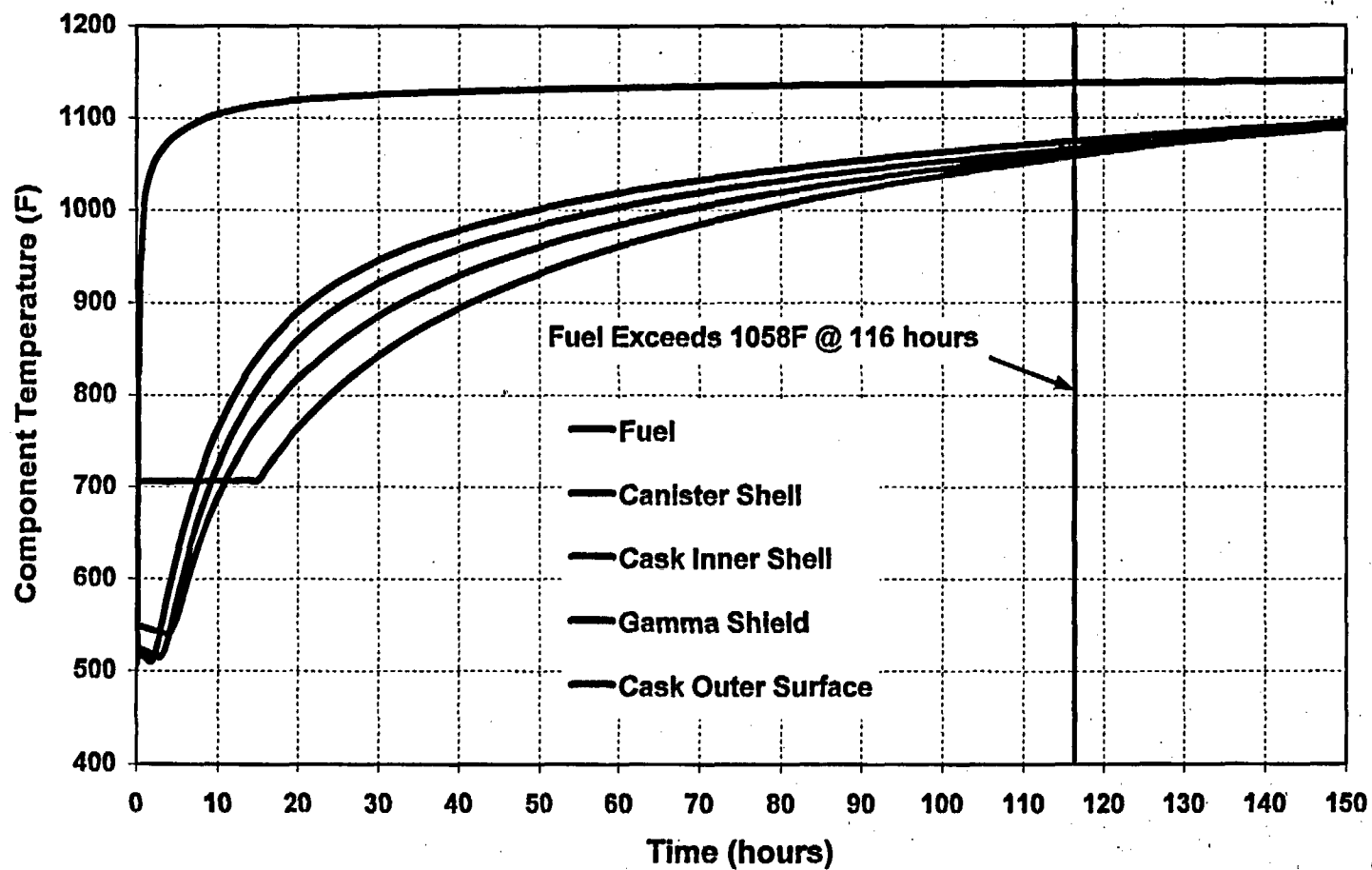
Maximum Component Temperatures As A Funtion Of Time  
(20 meter distance, fire initiation @ time = 0 hours)



**Maximum Canister Shell Temperatures As A Function Of Time**  
**(20 meter distance, fire Initiation @ time = 0 hours)**



**Maximum Component Temperatures As A Function Of Time  
(20 meter distance, fire initiation @ time = 0 hours)**





Time:	Fuel Temp:	Bskt Temp:	Bori Temp:	MPC Temp:	Cskl Temp:	CskO Temp:	Csk Skin:
0	705.5867	702.5646	702.4712	549.0037	525.5832	519.6695	507.4758
0	705.5868	702.5646	702.4711	549.0036	525.5827	519.6603	507.5524
0.01	705.5871	702.5644	702.4706	549.0039	525.5802	519.5983	508.2717
0.02	705.5876	702.5641	702.4703	549.0039	525.5772	519.5391	508.8564
0.03	705.588	702.564	702.4702	549.0035	525.574	519.5097	509.1891
0.03	705.5885	702.564	702.4702	549.0028	525.5695	519.4903	509.4051
0.04	705.589	702.5641	702.4702	549.0014	525.5623	519.458	509.5643
0.05	705.5894	702.5642	702.4704	548.9998	525.5538	519.4231	509.6566
0.06	705.5898	702.5644	702.4705	548.9978	525.543	519.3846	509.7151
0.07	705.5903	702.5646	702.4708	548.995	525.5279	519.3378	509.7516
0.07	705.5907	702.5648	702.471	548.992	525.5121	519.2933	509.7674
0.08	705.5911	702.5651	702.4712	548.9885	525.4941	519.2468	509.7709
0.09	705.5916	702.5654	702.4716	548.9839	525.4712	519.1928	509.7636
0.1	705.592	702.5657	702.4718	548.9793	525.4488	519.1438	509.7504
0.11	705.5924	702.566	702.4721	548.9742	525.4246	519.0942	527.4054
0.12	705.5929	702.5663	702.4725	548.9677	525.3953	519.038	568.1795
0.12	705.5933	702.5666	702.4728	548.9614	525.3677	518.9878	614.7079
0.13	705.5938	702.5669	702.4731	548.9546	525.3387	518.9376	665.6456
0.14	705.5942	702.5673	702.4734	548.9463	525.3046	518.8811	724.8864
0.15	705.5947	702.5676	702.4737	548.9383	525.2732	518.831	763.7963
0.16	705.5951	702.5679	702.4741	548.9299	525.2408	518.7809	801.773
0.17	705.5956	702.5683	702.4744	548.9197	525.2032	518.7248	843.6387
0.17	705.596	702.5686	702.4748	548.9102	525.1691	518.6751	875.8923
0.18	705.5964	702.5689	702.4751	548.9002	525.1342	518.6256	912.8945
0.19	705.5969	702.5693	702.4755	548.8883	525.0942	518.5701	937.0848
0.2	705.5973	702.5696	702.4758	548.8773	525.0581	518.5209	943.0058
0.21	705.5977	702.57	702.4761	548.8658	525.0215	518.4719	939.1303
0.22	705.5982	702.5703	702.4765	548.8524	524.9798	518.417	932.8314
0.23	705.5986	702.5707	702.4768	548.84	524.9423	518.3684	921.7155
0.23	705.599	702.571	702.4772	548.8271	524.9045	518.32	910.8207
0.24	705.5995	702.5714	702.4776	548.8122	524.8615	518.2657	898.5635
0.25	705.5999	702.5717	702.4779	548.7985	524.8231	518.2177	887.7607
0.26	705.6003	702.5721	702.4783	548.7845	524.7844	518.1698	879.2716
0.27	705.6008	702.5725	702.4786	548.7682	524.7406	518.1161	868.7596
0.28	705.6012	702.5728	702.479	548.7533	524.7015	518.0686	859.1017
0.28	705.6017	702.5732	702.4793	548.7381	524.6622	518.0213	850.9113
0.29	705.6021	702.5736	702.4797	548.7206	524.6178	517.9682	842.3007
0.3	705.6025	702.5739	702.4801	548.7047	524.5782	517.9212	834.6156
0.31	705.603	702.5743	702.4804	548.6884	524.5385	517.8744	827.3882
0.32	705.6034	702.5746	702.4808	548.6698	524.4938	517.8219	824.8704
0.33	705.6038	702.575	702.4812	548.6529	524.4539	517.7754	823.8811
0.33	705.6043	702.5754	702.4815	548.6357	524.4139	517.729	824.9615
0.34	705.6047	702.5757	702.4819	548.616	524.3689	517.6771	827.7745
0.35	705.6051	702.5761	702.4823	548.5982	524.3289	517.6311	828.5971
0.36	705.6056	702.5765	702.4826	548.5801	524.2888	517.5852	833.516
0.37	705.606	702.5768	702.483	548.5595	524.2437	517.5338	841.294
0.38	705.6065	702.5772	702.4834	548.5409	524.2036	517.4882	847.2223

0.38	705.6069	702.5776	702.4837	548.5221	524.1634	517.4428	851.0734
0.39	705.6073	702.578	702.4841	548.5007	524.1183	517.3919	855.3028
0.4	705.6077	702.5783	702.4845	548.4814	524.0781	517.3468	859.9072
0.41	705.6082	702.5787	702.4848	548.4618	524.038	517.3019	864.5025
0.42	705.6086	702.5791	702.4852	548.4396	523.9929	517.2515	870.8368
0.42	705.609	702.5794	702.4856	548.4197	523.9528	517.2068	876.2963
0.43	705.6095	702.5798	702.4859	548.3995	523.9127	517.1623	882.5568
0.44	705.6099	702.5802	702.4863	548.3766	523.8677	517.1124	889.6559
0.45	705.6103	702.5805	702.4867	548.3561	523.8277	517.0682	895.2046
0.46	705.6108	702.5809	702.4871	548.3354	523.7878	517.0241	903.135
0.47	705.6112	702.5813	702.4875	548.3119	523.7429	516.9747	910.2139
0.47	705.6116	702.5817	702.4878	548.2909	523.703	516.9309	917.0266
0.48	705.612	702.582	702.4882	548.2697	523.6632	516.8872	923.9043
0.49	705.6125	702.5824	702.4886	548.2457	523.6185	516.8382	929.8945
1	705.6383	702.6058	702.512	546.7926	521.3634	514.4417	1009.059
2	705.6882	702.6528	702.5589	544.3075	517.9155	510.845	1046.528
3	705.7375	702.7004	702.6064	542.4077	515.4744	544.0235	1063.596
4	705.7868	702.7487	702.6548	541.177	539.9735	587.8598	1074.458
5	705.8368	702.7986	702.7047	558.7971	579.7465	626.7149	1082.37
6	705.8886	702.8516	702.7578	591.005	615.4535	661.1381	1088.511
7	705.9439	702.9099	702.8162	619.9838	647.3921	691.6437	1093.457
8	706.0051	702.9761	702.8826	645.9748	675.8947	718.6894	1097.547
9	706.0751	703.0537	702.9605	669.2796	701.3451	742.699	1100.988
10	706.1572	703.1465	703.0536	690.1978	724.0961	764.0769	1103.923
11	706.2553	703.2587	703.1664	709.0273	744.472	783.1665	1106.456
12	706.3738	703.395	703.3033	726.0118	762.7675	800.2633	1108.66
13	706.517	703.5601	703.4692	741.3766	779.2432	815.6239	1110.593
14	706.6898	712.1404	703.6691	755.3237	794.1329	829.4705	1112.299
15	707.3733	725.2305	708.23	768.054	807.632	841.9951	1113.815
16	720.1553	737.449	721.2188	779.7124	819.9122	853.364	1115.168
17	732.2061	748.875	733.4746	790.405	831.1327	863.7226	1116.383
18	743.573	759.5733	745.0429	800.2461	841.4238	873.1982	1117.478
19	754.3079	769.6142	755.9747	809.3778	850.8973	881.8983	1118.471
20	764.4663	779.069	766.3231	817.8606	859.6494	889.9138	1119.375
21	774.0943	787.9933	776.1317	825.7741	867.7593	897.3229	1120.2
22	783.2326	796.435	785.44	833.34	875.3009	904.1938	1120.958
23	791.9178	804.4355	794.2842	841.1599	882.3355	910.5858	1121.656
24	800.1833	812.0319	802.6976	848.5384	888.9156	916.5505	1122.301
25	808.0634	819.2573	810.7107	855.5151	895.0905	922.1329	1122.9
26	815.588	826.1417	818.3555	862.1258	900.8987	927.3722	1123.457
27	822.7797	832.7123	825.6599	868.4031	906.3761	932.3031	1123.978
28	829.6612	838.9936	832.646	874.3761	911.5537	936.9558	1124.465
29	836.2531	845.007	839.3341	880.0687	916.4608	941.3569	1124.923
30	842.5741	850.7719	845.7433	885.5024	921.1199	945.5297	1125.354
31	848.6414	856.3058	851.8911	890.6972	925.5526	949.4946	1125.762
32	854.4709	861.6244	857.7934	895.6703	929.778	953.2696	1126.147
33	860.0774	866.7421	863.4652	900.4461	933.8131	956.8706	1126.513
34	865.4743	871.6718	868.9205	905.0326	937.6729	960.3118	1126.861
35	870.6742	876.5978	874.1722	909.4402	941.3717	963.6059	1127.193

36	875.6887	881.4294	879.2323	913.6808	944.9211	966.7639	1127.509
37	880.5283	886.0922	884.1151	917.7651	948.3316	969.7961	1127.812
38	885.2031	890.596	888.8439	921.7029	951.613	972.7115	1128.102
39	889.7222	894.9498	893.4117	925.5034	954.774	975.5181	1128.38
40	894.0943	899.162	897.8274	929.1746	957.8227	978.2235	1128.646
41	898.3272	903.2405	902.0995	932.7243	960.7662	980.8342	1128.903
42	902.4285	907.1923	906.2356	936.1594	963.6112	983.3563	1129.151
43	906.405	911.0243	910.2429	939.4865	966.3636	985.7953	1129.389
44	910.2632	914.7428	914.1281	942.7114	969.0291	988.1562	1129.619
45	914.0092	918.3536	917.8977	945.8399	971.6127	990.4438	1129.842
46	917.6486	921.8621	921.5574	948.8769	974.1189	992.6622	1130.057
47	921.1867	925.2734	925.1129	951.8273	976.5522	994.8152	1130.265
48	924.6285	928.5923	928.5691	954.6955	978.9164	996.9066	1130.467
49	927.9784	931.8231	931.931	957.4856	981.2151	998.9395	1130.663
50	931.2408	935.0129	935.203	960.2015	983.4518	1000.917	1130.853
51	934.4197	938.2025	938.3893	962.8472	985.6296	1002.842	1131.038
52	937.519	941.3103	941.4938	965.433	987.7514	1004.717	1131.217
53	940.5421	944.3399	944.5203	967.9544	989.8199	1006.545	1131.392
54	943.5463	947.2949	947.4722	970.4142	991.8376	1008.327	1131.562
55	946.5174	950.1786	950.3528	972.8153	993.8067	1010.067	1131.728
56	949.4179	952.9939	953.1651	975.1601	995.7297	1011.765	1131.889
57	952.251	955.7437	955.912	977.4511	997.6083	1013.424	1132.046
58	955.0194	958.4308	958.5962	979.6906	999.4447	1015.045	1132.2
59	957.7257	961.0577	961.2203	981.8807	1001.241	1016.63	1132.35
60	960.4034	963.6269	963.7866	984.025	1002.998	1018.181	1132.497
61	963.052	966.1405	966.2975	986.126	1004.717	1019.699	1132.64
62	965.6435	968.63	968.7552	988.1832	1006.401	1021.185	1132.78
63	968.1801	971.0809	971.1615	990.1981	1008.051	1022.64	1132.917
64	970.6638	973.4811	973.5574	992.1725	1009.668	1024.067	1133.051
65	973.0966	975.8324	975.9064	994.1079	1011.253	1025.465	1133.182
66	975.4804	978.1367	978.2085	996.0055	1012.807	1026.836	1133.31
67	977.817	980.3955	980.4652	997.8669	1014.332	1028.181	1133.436
68	980.108	982.6106	982.6781	999.6933	1015.828	1029.501	1133.56
69	982.355	984.7834	984.8489	1001.486	1017.297	1030.796	1133.681
70	984.5595	986.9154	986.9789	1003.246	1018.74	1032.068	1133.8
71	986.7413	989.008	989.0784	1004.974	1020.157	1033.318	1133.916
72	988.9037	991.0935	991.1656	1006.672	1021.549	1034.546	1134.03
73	991.0268	993.1449	993.215	1008.344	1022.917	1035.752	1134.143
74	993.1117	995.1598	995.228	1009.989	1024.263	1036.938	1134.253
75	995.1598	997.1394	997.2057	1011.607	1025.586	1038.105	1134.361
76	997.1722	999.0847	999.1491	1013.198	1026.887	1039.252	1134.468
77	999.1501	1000.997	1001.059	1014.763	1028.167	1040.381	1134.572
78	1001.094	1002.877	1002.938	1016.303	1029.427	1041.492	1134.675
79	1003.006	1004.726	1004.785	1017.818	1030.667	1042.585	1134.776
80	1004.887	1006.544	1006.602	1019.31	1031.888	1043.661	1134.876
81	1006.736	1008.333	1008.389	1020.778	1033.091	1044.721	1134.974
82	1008.566	1010.101	1010.154	1022.223	1034.275	1045.765	1135.07
83	1010.382	1011.858	1011.909	1023.647	1035.442	1046.794	1135.165
84	1012.17	1013.588	1013.637	1025.05	1036.592	1047.807	1135.258

85	1013.93	1015.291	1015.338	1026.432	1037.725	1048.806	1135.35
86	1015.663	1016.968	1017.014	1027.794	1038.842	1049.79	1135.441
87	1017.37	1018.62	1018.664	1029.136	1039.943	1050.761	1135.53
88	1019.052	1020.247	1020.29	1030.459	1041.029	1051.718	1135.618
89	1020.708	1021.85	1021.892	1031.764	1042.1	1052.662	1135.704
90	1022.34	1023.43	1023.47	1033.05	1043.157	1053.593	1135.79
91	1023.949	1024.988	1025.026	1034.319	1044.199	1054.511	1135.874
92	1025.535	1026.523	1026.56	1035.571	1045.227	1055.418	1135.957
93	1027.098	1028.037	1028.072	1036.806	1046.242	1056.312	1136.039
94	1028.639	1029.529	1029.564	1038.03	1047.244	1057.195	1136.12
95	1030.159	1031.001	1031.034	1039.238	1048.233	1058.066	1136.199
96	1031.658	1032.453	1032.485	1040.43	1049.209	1058.927	1136.278
97	1033.137	1033.886	1033.916	1041.607	1050.173	1059.776	1136.355
98	1034.595	1035.31	1035.333	1042.769	1051.125	1060.615	1136.432
99	1036.035	1036.72	1036.742	1043.917	1052.066	1061.444	1136.508
100	1037.455	1038.112	1038.133	1045.05	1052.995	1062.263	1136.582
101	1038.872	1039.487	1039.506	1046.169	1053.912	1063.071	1136.656
102	1040.271	1040.843	1040.862	1047.274	1054.819	1063.87	1136.729
103	1041.653	1042.182	1042.2	1048.365	1055.715	1064.66	1136.801
104	1043.017	1043.504	1043.521	1049.444	1056.6	1065.44	1136.871
105	1044.363	1044.81	1044.826	1050.51	1057.475	1066.211	1136.942
106	1045.693	1046.099	1046.114	1051.562	1058.34	1066.973	1137.011
107	1047.006	1047.373	1047.387	1052.603	1059.195	1067.727	1137.079
108	1048.303	1048.63	1048.643	1053.631	1060.04	1068.471	1137.147
109	1049.585	1049.873	1049.885	1054.648	1060.876	1069.208	1137.214
110	1050.851	1051.101	1051.112	1055.658	1061.702	1069.936	1137.28
111	1052.101	1052.314	1052.324	1056.657	1062.519	1070.656	1137.345
112	1053.337	1053.512	1053.522	1057.646	1063.328	1071.369	1137.41
113	1054.558	1054.697	1054.706	1058.623	1064.127	1072.073	1137.473
114	1055.765	1055.868	1055.876	1059.589	1064.918	1072.77	1137.536
115	1056.958	1057.025	1057.032	1060.545	1065.7	1073.459	1137.599
116	1058.137	1058.169	1058.175	1061.49	1066.473	1074.141	1137.66
117	1059.302	1059.3	1059.305	1062.425	1067.239	1074.816	1137.721
118	1060.47	1060.418	1060.422	1063.349	1067.996	1075.483	1137.782
119	1061.639	1061.524	1061.534	1064.264	1068.746	1076.144	1137.841
120	1062.797	1062.623	1062.636	1065.169	1069.488	1076.798	1137.9
121	1063.954	1063.714	1063.726	1066.066	1070.222	1077.444	1137.959
122	1065.099	1064.793	1064.803	1066.959	1070.948	1078.085	1138.016
123	1066.254	1065.86	1065.869	1067.843	1071.667	1078.718	1138.074
124	1067.397	1066.916	1066.923	1068.718	1072.379	1079.346	1138.13
125	1068.535	1067.96	1067.966	1069.583	1073.083	1079.966	1138.186
126	1069.66	1068.996	1068.997	1070.446	1073.78	1080.581	1138.241
127	1070.773	1070.023	1070.018	1071.301	1074.471	1081.189	1138.296
128	1071.874	1071.038	1071.027	1072.154	1075.154	1081.792	1138.35
129	1072.964	1072.043	1072.026	1073	1075.831	1082.388	1138.404
130	1074.041	1073.038	1073.016	1073.837	1076.501	1082.979	1138.457
131	1075.18	1074.021	1073.995	1074.666	1077.164	1083.564	1138.51
132	1076.312	1074.995	1074.964	1075.487	1077.821	1084.143	1138.562
133	1077.432	1075.958	1075.922	1076.3	1078.472	1084.716	1138.613

134	1078.54	1076.912	1076.871	1077.105	1079.116	1085.284	1138.664
135	1079.637	1077.855	1077.81	1077.902	1079.754	1085.846	1138.715
136	1080.721	1078.795	1078.751	1078.691	1080.386	1086.403	1138.765
137	1081.795	1079.824	1079.777	1079.473	1081.011	1086.955	1138.814
138	1082.858	1080.844	1080.797	1080.246	1081.631	1087.501	1138.863
139	1083.909	1081.853	1081.807	1081.012	1082.245	1088.042	1138.912
140	1084.95	1082.867	1082.809	1081.77	1082.853	1088.578	1138.96
141	1085.98	1083.906	1083.848	1082.521	1083.456	1089.109	1139.007
142	1087	1084.935	1084.877	1083.266	1084.052	1089.635	1139.054
143	1088.021	1085.953	1085.895	1084.011	1084.643	1090.157	1139.101
144	1089.08	1086.961	1086.903	1084.748	1085.229	1090.673	1139.147
145	1090.129	1087.959	1087.901	1085.479	1085.809	1091.184	1139.193
146	1091.166	1088.947	1088.889	1086.202	1086.384	1091.691	1139.238
147	1092.194	1089.925	1089.867	1086.919	1086.954	1092.193	1139.283
148	1093.211	1090.924	1090.86	1087.629	1087.518	1092.691	1139.327
149	1094.218	1091.929	1091.865	1088.332	1088.077	1093.183	1139.372
150	1095.215	1092.923	1092.859	1089.028	1088.631	1093.672	1139.415

NCT Canister gas Pressure = 73.48 psi  
NCT Canister gas Temperature = 500 F

Canister Thickness = 0.5 in  
Canister Radius = 33.9375 in

Estimated Ending gas Temperature = 1058 F  
Calculated Ending Internal Pressure = 116.1903 psi  
Assumed Cask Internal Pressure = 14.696 psi  
(Based on seal rupture)

Axial Stress = 3943.2 psi  
Radial Stress = -50.7 psi  
Hoop Stress = 7886.4 psi

Equivalent Stress (von Mises) = 6874 psi  
@ 1060 F

~ 34 Years to take corrective action!