TRIAC-BATAN
TRISO Analysis Code of BATAN
"Developed by Computational Laboratory, Center for Nuclear Reactor Technology and Safety, BATAN"

Case Title: (describe your problem case here)

TRISO Geometry:

Outer radius	CFP	SiC	IPyC	buffer	kernel	center
[m]	4.60E-04	4.20E-04	3.85E-04	3.45E-04	2.50E-04	0

Properties and Operation Parameters:

SiC Tensile Strength [Pa]	Weibull Modulus	Burnup [FIMA]	"Fission Yield of stable fission gasses, Ff"	Fast Neutron Fluence	Weight ratio of th to U-235 in kernel
8.34E+08	8.02	0.09	0.31	2.4	

Properties and Operation Parameters related with thermal decomposition:

Alpha	Beta
0.0001	4
-1	1401.6	0.1	10

INPUT: Irradiation Temp. Hystory

1	0	593
2	17	833
3	34	1023
4	51	1093
5	68	1123
6	85	833
7	102	1023
8	119	1093
9	136	1123
10	153	833
11	170	1023
12	187	1093
13	204	1123
14	221	833
15	238	1023
16	255	1093
17	272	1123
18	289	833
19	306	1023
20	323	1093
21	340	1123
22	357	833
23	374	1023
24	391	1093
25	408	1123
26	425	833
27	442	1023
28	459	1093
29	476	1123
30	493	833
31	510	1023
32	527	1093
33	544	1123
34	561	833
35	578	1023
36	595	1093
37	612	1123