Appendix N

Test Case - Big Holes - Preload - Material B

This appendix contains:

Item	Description	Page
N-02	Table: Summary of Preload Achieved	N-02
N-03	Table: Volume History Output	N-03
N-04	Table: Node 15873 Out of Plane Displacement over Time	N-04
N-05	Table: Bolt Axial Stress History	N-05
N-08	Table: Bolt Plastic Strain History	N-08
N-11	Figure: Bolt Plastic Strain History Plots	N-11
N-16	Figure: Model Displacement and Sealing Skin Mises Contour Plots	N-16
N-17	Figure: Clamp Plate and Divider Plate Plastic Strain Contour Plots	N-17
N-18	Figure: Clamp Dogs and Seat Bar Plastic Strain Contour Plots	N-18
N-19	Figure:: Bolt Plastic Strain Contour Plots	N-19

Summary of Preload Achieved

	Bolt	Axial Stress	Bolt	Axial Stress
CLAMP BOLTS	01 (Bolt 14)	17.30 ksi	13 (Bolt 48)	42.10 ksi
	02 (Bolt 15)	15.88 ksi	14 (Bolt 49)	25.13 ksi
	03 (Bolt 16)	9.23 ksi	15 (Bolt 50)	38.83 ksi
	04 (Bolt 17)	8.15 ksi	16 (Bolt 51)	31.76 ksi
	05 (Bolt 34)	47.48 ksi	17 (Bolt 55)	32.30 ksi
	06 (Bolt 35)	50.15 ksi	18 (Bolt 56)	26.06 ksi
	07 (Bolt 36)	44.73 ksi		
	08 (Bolt 37)	1.35 ksi		
	09 (Bolt 41)	6.12 ksi		
	10 (Bolt 42)	2.45 ksi		
	11 (Bolt 43)	10.46 ksi		
	12 (Bolt 44)	22.94 ksi		

Item N-02 : Table: Summary of Preload Achieved

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]VOL_HIS_BIGHOLES_B.HIS;1 Page 1

```
***   Program  VOL_HIS   ***
Read displacements from run EXT_BIGHOLES_B
Output file ID = VOL_HIS_BIGHOLES_B
     Time  Pressure          Time  Pressure          Time  Pressure
   0.0000  0.00000E+00     0.0200  0.00000E+00     0.0800   300.00
   1.0000   300.00         2.0000   300.00     10000.0000   300.00
Read element and area from MODEL.AREA
Read element/surface definition from MODEL.FACE
Max. displacement at node       85418
Number of elts to be processed (.AREA file):         519
Total area (A_total) :   239.5448
Number of elts in the .FACE file :         519
Volume calculation based on displacement U3

V = Sum_of_(Ui*Ai),  where Ui=Ave. displ of elt.   Ai=elt. area

Vc=U_ 85418*A_total
```

	Time	Pressure	V	Vc	V/Vc	U_ 85418
	1.0000E-02	0.0000E+00	0.9611	0.9806	0.9801	4.0935E-03
	2.0000E-02	0.0000E+00	1.519	1.648	0.9216	6.8800E-03
	2.4000E-02	20.00	3.306	3.609	0.9159	1.5067E-02
	2.8000E-02	40.00	10.52	16.63	0.6326	6.9443E-02
	3.2000E-02	60.00	13.50	30.06	0.4490	0.1255
	3.6000E-02	80.00	18.40	36.36	0.5061	0.1518
	4.0000E-02	100.0	23.32	37.18	0.6272	0.1552
	4.2000E-02	110.0	25.42	47.12	0.5394	0.1967
	4.4000E-02	120.0	27.86	52.56	0.5301	0.2194
	4.6000E-02	130.0	30.52	52.44	0.5820	0.2189
	4.8000E-02	140.0	33.25	61.44	0.5412	0.2565
	5.0000E-02	150.0	35.97	79.74	0.4510	0.3329
	5.2000E-02	160.0	38.82	89.54	0.4336	0.3738
	5.4000E-02	170.0	42.33	106.8	0.3962	0.4460
	5.6000E-02	180.0	46.62	110.8	0.4209	0.4624
	5.8000E-02	190.0	51.62	103.9	0.4967	0.4338
	6.0000E-02	200.0	57.53	101.3	0.5681	0.4227
	6.2000E-02	210.0	64.62	107.5	0.6012	0.4487
	6.4000E-02	220.0	73.83	132.0	0.5594	0.5510
	6.6000E-02	230.0	86.43	163.0	0.5304	0.6803
	6.8000E-02	240.0	103.7	209.2	0.4955	0.8734
	7.0000E-02	250.0	126.6	236.0	0.5363	0.9854
* →	7.2000E-02	260.0	155.8	281.7	0.5529	1.176
	7.4000E-02	270.0	194.1	381.6	0.5088	1.593
	7.5170E-02	275.9	222.8	409.4	0.5442	1.709

*FIRST BOLT FAILURE

Item N-03 : Table: Volume History Output

```
**
**
** XY REPORT :
** ===========
**
**
**                    U3_15873
**     TIME          Variable U3
**-------------   --------------
     1.0000E-02      4.6598E-06
     2.0000E-02     -7.9848E-04
     2.4000E-02      1.0088E-02
     2.8000E-02      6.0971E-02
     3.2000E-02      8.2081E-02
     3.6000E-02        0.1166
     4.0000E-02        0.1528
     4.2000E-02        0.1677
     4.4000E-02        0.1849
     4.6000E-02        0.2043
     4.8000E-02        0.2239
     5.0000E-02        0.2434
     5.2000E-02        0.2644
     5.4000E-02        0.2899
     5.6000E-02        0.3209
     5.8000E-02        0.3581
     6.0000E-02        0.4016
     6.2000E-02        0.4549
     6.4000E-02        0.5253
     6.6000E-02        0.6226
     6.8000E-02        0.7549
     7.0000E-02        0.9311
  -> 7.2000E-02        1.154  <-
     7.4000E-02        1.453
     7.5174E-02        1.672
**
```

Item N-05 : Table: Node 15873 Out of Plane Displacement over Time

N-5

STRESS::BASKIN

JOB 980

BS.RPT_OUT;1

File: _6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BS.RPT_OUT;1
Last Modified: 11–NOV–1997 15:50
Owner UIC: [G42,BASKIN]

Length:	56 blocks
Longest record:	59 bytes
Priority:	100
Submit queue:	SYS$PRINT
Submitted:	11–NOV–1997 15:50
Printer queue:	SYS$PRINT
Printer device:	POSTMO::

OUTPUT BOLT COUNT : 00
OUTPUT BOLT COUNT : 01

Time :	0.010	S33 MAX ksi:	14.99	Avg. ksi:	13.81
Time :	0.020	S33 MAX ksi:	20.69	Avg. ksi:	17.30
Time :	0.024	S33 MAX ksi:	19.68	Avg. ksi:	17.03
Time :	0.028	S33 MAX ksi:	36.98	Avg. ksi:	26.25
Time :	0.032	S33 MAX ksi:	43.09	Avg. ksi:	26.61
Time :	0.036	S33 MAX ksi:	57.36	Avg. ksi:	32.88
Time :	0.040	S33 MAX ksi:	69.23	Avg. ksi:	37.40
Time :	0.042	S33 MAX ksi:	71.63	Avg. ksi:	39.53
Time :	0.044	S33 MAX ksi:	77.51	Avg. ksi:	41.23
Time :	0.046	S33 MAX ksi:	82.69	Avg. ksi:	43.28
Time :	0.048	S33 MAX ksi:	85.27	Avg. ksi:	45.31
Time :	0.050	S33 MAX ksi:	86.35	Avg. ksi:	47.61
Time :	0.052	S33 MAX ksi:	87.54	Avg. ksi:	49.52
Time :	0.054	S33 MAX ksi:	89.10	Avg. ksi:	52.80
Time :	0.056	S33 MAX ksi:	90.31	Avg. ksi:	55.96
Time :	0.058	S33 MAX ksi:	91.00	Avg. ksi:	58.55
Time :	0.060	S33 MAX ksi:	92.53	Avg. ksi:	60.83
Time :	0.062	S33 MAX ksi:	93.08	Avg. ksi:	63.38
Time :	0.064	S33 MAX ksi:	93.45	Avg. ksi:	66.55
Time :	0.066	S33 MAX ksi:	94.15	Avg. ksi:	70.55
Time :	0.068	S33 MAX ksi:	96.03	Avg. ksi:	74.58
Time :	0.070	S33 MAX ksi:	96.77	Avg. ksi:	77.46
Time :	0.072	S33 MAX ksi:	95.77	Avg. ksi:	78.43
Time :	0.074	S33 MAX ksi:	104.19	Avg. ksi:	82.11
Time :	0.075	S33 MAX ksi:	102.00	Avg. ksi:	81.08

OUTPUT BOLT COUNT : 02

Time :	0.010	S33 MAX ksi:	20.09	Avg. ksi:	13.47
Time :	0.020	S33 MAX ksi:	21.82	Avg. ksi:	15.58
Time :	0.024	S33 MAX ksi:	21.52	Avg. ksi:	13.58
Time :	0.028	S33 MAX ksi:	35.33	Avg. ksi:	24.05
Time :	0.032	S33 MAX ksi:	40.66	Avg. ksi:	24.09
Time :	0.036	S33 MAX ksi:	54.05	Avg. ksi:	30.77
Time :	0.040	S33 MAX ksi:	62.84	Avg. ksi:	36.22
Time :	0.042	S33 MAX ksi:	66.94	Avg. ksi:	38.97
Time :	0.044	S33 MAX ksi:	71.36	Avg. ksi:	40.66
Time :	0.046	S33 MAX ksi:	75.20	Avg. ksi:	42.79
Time :	0.048	S33 MAX ksi:	80.37	Avg. ksi:	44.98
Time :	0.050	S33 MAX ksi:	83.39	Avg. ksi:	47.29
Time :	0.052	S33 MAX ksi:	85.10	Avg. ksi:	49.23
Time :	0.054	S33 MAX ksi:	86.83	Avg. ksi:	52.93
Time :	0.056	S33 MAX ksi:	86.86	Avg. ksi:	57.94
Time :	0.058	S33 MAX ksi:	86.67	Avg. ksi:	60.99
Time :	0.060	S33 MAX ksi:	88.21	Avg. ksi:	63.82
Time :	0.062	S33 MAX ksi:	89.04	Avg. ksi:	66.33
Time :	0.064	S33 MAX ksi:	88.73	Avg. ksi:	69.21
Time :	0.066	S33 MAX ksi:	88.79	Avg. ksi:	73.31
Time :	0.068	S33 MAX ksi:	88.83	Avg. ksi:	76.41
Time :	0.070	S33 MAX ksi:	91.34	Avg. ksi:	78.61
Time :	0.072	S33 MAX ksi:	95.92	Avg. ksi:	80.30
Time :	0.074	S33 MAX ksi:	99.06	Avg. ksi:	81.29
Time :	0.075	S33 MAX ksi:	101.03	Avg. ksi:	81.63

OUTPUT BOLT COUNT : 03

Time :	0.010	S33 MAX ksi:	20.65	Avg. ksi:	14.03
Time :	0.020	S33 MAX ksi:	18.80	Avg. ksi:	9.23
Time :	0.024	S33 MAX ksi:	16.55	Avg. ksi:	7.82
Time :	0.028	S33 MAX ksi:	32.02	Avg. ksi:	20.75
Time :	0.032	S33 MAX ksi:	40.65	Avg. ksi:	21.94
Time :	0.036	S33 MAX ksi:	52.97	Avg. ksi:	29.99
Time :	0.040	S33 MAX ksi:	62.06	Avg. ksi:	35.42
Time :	0.042	S33 MAX ksi:	69.67	Avg. ksi:	38.33
Time :	0.044	S33 MAX ksi:	73.00	Avg. ksi:	39.35
Time :	0.046	S33 MAX ksi:	76.64	Avg. ksi:	40.97

Time :	0.048	S33 MAX ksi:	81.77	Avg. ksi:	42.63
Time :	0.050	S33 MAX ksi:	84.50	Avg. ksi:	44.34
Time :	0.052	S33 MAX ksi:	84.80	Avg. ksi:	45.87
Time :	0.054	S33 MAX ksi:	85.96	Avg. ksi:	50.47
Time :	0.056	S33 MAX ksi:	87.46	Avg. ksi:	56.17
Time :	0.058	S33 MAX ksi:	88.22	Avg. ksi:	59.17
Time :	0.060	S33 MAX ksi:	90.21	Avg. ksi:	63.39
Time :	0.062	S33 MAX ksi:	91.11	Avg. ksi:	65.98
Time :	0.064	S33 MAX ksi:	91.03	Avg. ksi:	69.26
Time :	0.066	S33 MAX ksi:	91.61	Avg. ksi:	73.39
Time :	0.068	S33 MAX ksi:	92.22	Avg. ksi:	76.27
Time :	0.070	S33 MAX ksi:	93.60	Avg. ksi:	78.58
Time :	0.072	S33 MAX ksi:	99.33	Avg. ksi:	81.16
Time :	0.074	S33 MAX ksi:	98.60	Avg. ksi:	79.48
Time :	0.075	S33 MAX ksi:	106.45	Avg. ksi:	83.35

OUTPUT BOLT COUNT : 04

Time :	0.010	S33 MAX ksi:	19.74	Avg. ksi:	13.52
Time :	0.020	S33 MAX ksi:	14.97	Avg. ksi:	8.15
Time :	0.024	S33 MAX ksi:	10.27	Avg. ksi:	6.53
Time :	0.028	S33 MAX ksi:	21.46	Avg. ksi:	16.06
Time :	0.032	S33 MAX ksi:	24.43	Avg. ksi:	17.10
Time :	0.036	S33 MAX ksi:	33.51	Avg. ksi:	25.18
Time :	0.040	S33 MAX ksi:	36.54	Avg. ksi:	27.18
Time :	0.042	S33 MAX ksi:	36.69	Avg. ksi:	27.57
Time :	0.044	S33 MAX ksi:	37.87	Avg. ksi:	27.94
Time :	0.046	S33 MAX ksi:	40.73	Avg. ksi:	29.16
Time :	0.048	S33 MAX ksi:	43.86	Avg. ksi:	30.73
Time :	0.050	S33 MAX ksi:	45.59	Avg. ksi:	32.20
Time :	0.052	S33 MAX ksi:	48.09	Avg. ksi:	33.95
Time :	0.054	S33 MAX ksi:	53.36	Avg. ksi:	38.82
Time :	0.056	S33 MAX ksi:	57.48	Avg. ksi:	42.28
Time :	0.058	S33 MAX ksi:	61.68	Avg. ksi:	45.80
Time :	0.060	S33 MAX ksi:	68.94	Avg. ksi:	50.58
Time :	0.062	S33 MAX ksi:	73.68	Avg. ksi:	54.25
Time :	0.064	S33 MAX ksi:	80.23	Avg. ksi:	58.96
Time :	0.066	S33 MAX ksi:	82.11	Avg. ksi:	63.68
Time :	0.068	S33 MAX ksi:	83.47	Avg. ksi:	70.02
Time :	0.070	S33 MAX ksi:	84.75	Avg. ksi:	74.71
Time :	0.072	S33 MAX ksi:	87.33	Avg. ksi:	76.30
Time :	0.074	S33 MAX ksi:	92.45	Avg. ksi:	75.62
Time :	0.075	S33 MAX ksi:	87.97	Avg. ksi:	75.46

OUTPUT BOLT COUNT : 05

Time :	0.010	S33 MAX ksi:	1.72	Avg. ksi:	0.00
Time :	0.020	S33 MAX ksi:	62.84	Avg. ksi:	47.48
Time :	0.024	S33 MAX ksi:	69.21	Avg. ksi:	45.08
Time :	0.028	S33 MAX ksi:	100.97	Avg. ksi:	48.80
Time :	0.032	S33 MAX ksi:	114.00	Avg. ksi:	50.11
Time :	0.036	S33 MAX ksi:	129.11	Avg. ksi:	51.85
Time :	0.040	S33 MAX ksi:	132.98	Avg. ksi:	51.68
Time :	0.042	S33 MAX ksi:	136.19	Avg. ksi:	51.47
Time :	0.044	S33 MAX ksi:	139.51	Avg. ksi:	49.99
Time :	0.046	S33 MAX ksi:	142.25	Avg. ksi:	49.07
Time :	0.048	S33 MAX ksi:	144.54	Avg. ksi:	47.25
Time :	0.050	S33 MAX ksi:	146.19	Avg. ksi:	45.58
Time :	0.052	S33 MAX ksi:	148.09	Avg. ksi:	43.78
Time :	0.054	S33 MAX ksi:	150.46	Avg. ksi:	41.36
Time :	0.056	S33 MAX ksi:	154.33	Avg. ksi:	40.18
Time :	0.058	S33 MAX ksi:	157.43	Avg. ksi:	39.23
Time :	0.060	S33 MAX ksi:	161.30	Avg. ksi:	40.07
Time :	0.062	S33 MAX ksi:	164.21	Avg. ksi:	39.94
Time :	0.064	S33 MAX ksi:	169.89	Avg. ksi:	41.37
Time :	0.066	S33 MAX ksi:	176.82	Avg. ksi:	42.71
Time :	0.068	S33 MAX ksi:	185.89	Avg. ksi:	45.69
Time :	0.070	S33 MAX ksi:	195.11	Avg. ksi:	47.27

Time :	0.072	S33 MAX ksi:	202.01	Avg. ksi:	45.46
Time :	0.074	S33 MAX ksi:	207.76	Avg. ksi:	53.85
Time :	0.075	S33 MAX ksi:	139.26	Avg. ksi:	33.65

OUTPUT BOLT COUNT : 06

Time :	0.010	S33 MAX ksi:	0.99	Avg. ksi:	0.02
Time :	0.020	S33 MAX ksi:	60.02	Avg. ksi:	50.15
Time :	0.024	S33 MAX ksi:	62.29	Avg. ksi:	48.09
Time :	0.028	S33 MAX ksi:	92.69	Avg. ksi:	51.01
Time :	0.032	S33 MAX ksi:	105.16	Avg. ksi:	52.52
Time :	0.036	S33 MAX ksi:	124.33	Avg. ksi:	54.61
Time :	0.040	S33 MAX ksi:	133.85	Avg. ksi:	53.66
Time :	0.042	S33 MAX ksi:	136.85	Avg. ksi:	52.56
Time :	0.044	S33 MAX ksi:	140.44	Avg. ksi:	50.84
Time :	0.046	S33 MAX ksi:	143.46	Avg. ksi:	47.98
Time :	0.048	S33 MAX ksi:	145.86	Avg. ksi:	45.59
Time :	0.050	S33 MAX ksi:	147.73	Avg. ksi:	43.72
Time :	0.052	S33 MAX ksi:	149.62	Avg. ksi:	41.39
Time :	0.054	S33 MAX ksi:	152.03	Avg. ksi:	39.99
Time :	0.056	S33 MAX ksi:	155.82	Avg. ksi:	37.77
Time :	0.058	S33 MAX ksi:	159.59	Avg. ksi:	35.50
Time :	0.060	S33 MAX ksi:	163.43	Avg. ksi:	33.82
Time :	0.062	S33 MAX ksi:	166.81	Avg. ksi:	31.48
Time :	0.064	S33 MAX ksi:	171.20	Avg. ksi:	30.48
Time :	0.066	S33 MAX ksi:	177.19	Avg. ksi:	31.12
Time :	0.068	S33 MAX ksi:	186.99	Avg. ksi:	33.12
Time :	0.070	S33 MAX ksi:	194.50	Avg. ksi:	35.06
Time :	0.072	S33 MAX ksi:	206.04	Avg. ksi:	46.75
Time :	0.074	S33 MAX ksi:	148.83	Avg. ksi:	31.30
Time :	0.075	S33 MAX ksi:	154.45	Avg. ksi:	33.32

OUTPUT BOLT COUNT : 07

Time :	0.010	S33 MAX ksi:	2.38	Avg. ksi:	0.04
Time :	0.020	S33 MAX ksi:	57.52	Avg. ksi:	44.73
Time :	0.024	S33 MAX ksi:	69.48	Avg. ksi:	42.28
Time :	0.028	S33 MAX ksi:	94.67	Avg. ksi:	42.97
Time :	0.032	S33 MAX ksi:	117.66	Avg. ksi:	42.63
Time :	0.036	S33 MAX ksi:	130.64	Avg. ksi:	41.26
Time :	0.040	S33 MAX ksi:	138.84	Avg. ksi:	37.14
Time :	0.042	S33 MAX ksi:	141.19	Avg. ksi:	33.43
Time :	0.044	S33 MAX ksi:	143.42	Avg. ksi:	29.44
Time :	0.046	S33 MAX ksi:	146.14	Avg. ksi:	26.52
Time :	0.048	S33 MAX ksi:	148.80	Avg. ksi:	24.35
Time :	0.050	S33 MAX ksi:	150.67	Avg. ksi:	23.64
Time :	0.052	S33 MAX ksi:	152.05	Avg. ksi:	22.55
Time :	0.054	S33 MAX ksi:	152.48	Avg. ksi:	21.83
Time :	0.056	S33 MAX ksi:	156.12	Avg. ksi:	21.84
Time :	0.058	S33 MAX ksi:	158.63	Avg. ksi:	21.83
Time :	0.060	S33 MAX ksi:	162.54	Avg. ksi:	22.58
Time :	0.062	S33 MAX ksi:	165.83	Avg. ksi:	22.12
Time :	0.064	S33 MAX ksi:	171.34	Avg. ksi:	23.34
Time :	0.066	S33 MAX ksi:	177.75	Avg. ksi:	25.03
Time :	0.068	S33 MAX ksi:	187.23	Avg. ksi:	28.08
Time :	0.070	S33 MAX ksi:	195.76	Avg. ksi:	32.07
Time :	0.072	S33 MAX ksi:	129.55	Avg. ksi:	27.89
Time :	0.074	S33 MAX ksi:	151.44	Avg. ksi:	30.16
Time :	0.075	S33 MAX ksi:	152.92	Avg. ksi:	25.97

OUTPUT BOLT COUNT : 08

Time :	0.010	S33 MAX ksi:	0.32	Avg. ksi:	0.02
Time :	0.020	S33 MAX ksi:	5.47	Avg. ksi:	1.35
Time :	0.024	S33 MAX ksi:	5.33	Avg. ksi:	0.38
Time :	0.028	S33 MAX ksi:	9.15	Avg. ksi:	1.95
Time :	0.032	S33 MAX ksi:	11.01	Avg. ksi:	2.01
Time :	0.036	S33 MAX ksi:	14.34	Avg. ksi:	2.26
Time :	0.040	S33 MAX ksi:	18.63	Avg. ksi:	2.68
Time :	0.042	S33 MAX ksi:	19.71	Avg. ksi:	2.44

Time :	0.044	S33 MAX ksi:	21.22	Avg. ksi:	2.45
Time :	0.046	S33 MAX ksi:	23.34	Avg. ksi:	2.84
Time :	0.048	S33 MAX ksi:	25.50	Avg. ksi:	3.02
Time :	0.050	S33 MAX ksi:	27.48	Avg. ksi:	2.83
Time :	0.052	S33 MAX ksi:	31.15	Avg. ksi:	3.03
Time :	0.054	S33 MAX ksi:	33.94	Avg. ksi:	3.20
Time :	0.056	S33 MAX ksi:	37.85	Avg. ksi:	3.33
Time :	0.058	S33 MAX ksi:	41.43	Avg. ksi:	3.00
Time :	0.060	S33 MAX ksi:	46.80	Avg. ksi:	3.11
Time :	0.062	S33 MAX ksi:	50.76	Avg. ksi:	3.17
Time :	0.064	S33 MAX ksi:	59.28	Avg. ksi:	2.65
Time :	0.066	S33 MAX ksi:	71.24	Avg. ksi:	2.42
Time :	0.068	S33 MAX ksi:	83.88	Avg. ksi:	1.22
Time :	0.070	S33 MAX ksi:	87.19	Avg. ksi:	0.19
Time :	0.072	S33 MAX ksi:	83.63	Avg. ksi:	0.00
Time :	0.074	S33 MAX ksi:	108.12	Avg. ksi:	3.00
Time :	0.075	S33 MAX ksi:	110.86	Avg. ksi:	3.68

OUTPUT BOLT COUNT : 09

Time :	0.010	S33 MAX ksi:	1.20	Avg. ksi:	0.00
Time :	0.020	S33 MAX ksi:	10.11	Avg. ksi:	6.12
Time :	0.024	S33 MAX ksi:	16.25	Avg. ksi:	4.60
Time :	0.028	S33 MAX ksi:	51.71	Avg. ksi:	6.28
Time :	0.032	S33 MAX ksi:	63.20	Avg. ksi:	6.19
Time :	0.036	S33 MAX ksi:	85.61	Avg. ksi:	6.15
Time :	0.040	S33 MAX ksi:	103.37	Avg. ksi:	5.82
Time :	0.042	S33 MAX ksi:	112.07	Avg. ksi:	5.62
Time :	0.044	S33 MAX ksi:	119.16	Avg. ksi:	5.09
Time :	0.046	S33 MAX ksi:	122.89	Avg. ksi:	4.54
Time :	0.048	S33 MAX ksi:	126.35	Avg. ksi:	4.22
Time :	0.050	S33 MAX ksi:	128.19	Avg. ksi:	3.93
Time :	0.052	S33 MAX ksi:	129.56	Avg. ksi:	3.69
Time :	0.054	S33 MAX ksi:	131.17	Avg. ksi:	3.26
Time :	0.056	S33 MAX ksi:	133.60	Avg. ksi:	3.38
Time :	0.058	S33 MAX ksi:	134.75	Avg. ksi:	3.51
Time :	0.060	S33 MAX ksi:	136.45	Avg. ksi:	4.16
Time :	0.062	S33 MAX ksi:	137.79	Avg. ksi:	4.78
Time :	0.064	S33 MAX ksi:	140.36	Avg. ksi:	5.02
Time :	0.066	S33 MAX ksi:	143.41	Avg. ksi:	5.39
Time :	0.068	S33 MAX ksi:	147.87	Avg. ksi:	6.36
Time :	0.070	S33 MAX ksi:	153.73	Avg. ksi:	8.43
Time :	0.072	S33 MAX ksi:	164.99	Avg. ksi:	12.48
Time :	0.074	S33 MAX ksi:	178.13	Avg. ksi:	22.48
Time :	0.075	S33 MAX ksi:	184.43	Avg. ksi:	18.68

OUTPUT BOLT COUNT : 10

Time :	0.010	S33 MAX ksi:	1.26	Avg. ksi:	0.14
Time :	0.020	S33 MAX ksi:	6.01	Avg. ksi:	2.45
Time :	0.024	S33 MAX ksi:	8.10	Avg. ksi:	1.53
Time :	0.028	S33 MAX ksi:	36.61	Avg. ksi:	3.91
Time :	0.032	S33 MAX ksi:	43.60	Avg. ksi:	4.13
Time :	0.036	S33 MAX ksi:	60.94	Avg. ksi:	4.96
Time :	0.040	S33 MAX ksi:	77.48	Avg. ksi:	5.89
Time :	0.042	S33 MAX ksi:	83.89	Avg. ksi:	6.03
Time :	0.044	S33 MAX ksi:	92.35	Avg. ksi:	6.25
Time :	0.046	S33 MAX ksi:	102.17	Avg. ksi:	7.00
Time :	0.048	S33 MAX ksi:	112.41	Avg. ksi:	7.38
Time :	0.050	S33 MAX ksi:	120.40	Avg. ksi:	7.74
Time :	0.052	S33 MAX ksi:	124.59	Avg. ksi:	8.19
Time :	0.054	S33 MAX ksi:	128.62	Avg. ksi:	7.99
Time :	0.056	S33 MAX ksi:	133.17	Avg. ksi:	7.93
Time :	0.058	S33 MAX ksi:	136.74	Avg. ksi:	8.86
Time :	0.060	S33 MAX ksi:	139.47	Avg. ksi:	9.45
Time :	0.062	S33 MAX ksi:	141.22	Avg. ksi:	10.34
Time :	0.064	S33 MAX ksi:	143.75	Avg. ksi:	10.73
Time :	0.066	S33 MAX ksi:	148.40	Avg. ksi:	11.93

Time : 0.068 S33 MAX ksi: 155.75 Avg. ksi: 13.39
Time : 0.070 S33 MAX ksi: 165.82 Avg. ksi: 15.95
Time : 0.072 S33 MAX ksi: 181.12 Avg. ksi: 20.58
Time : 0.074 S33 MAX ksi: 185.45 Avg. ksi: 21.57
Time : 0.075 S33 MAX ksi: 198.91 Avg. ksi: 23.09
OUTPUT BOLT COUNT : 11
Time : 0.010 S33 MAX ksi: 1.12 Avg. ksi: 0.13
Time : 0.020 S33 MAX ksi: 12.46 Avg. ksi: 10.46
Time : 0.024 S33 MAX ksi: 25.27 Avg. ksi: 9.90
Time : 0.028 S33 MAX ksi: 48.22 Avg. ksi: 10.01
Time : 0.032 S33 MAX ksi: 68.79 Avg. ksi: 9.02
Time : 0.036 S33 MAX ksi: 87.01 Avg. ksi: 8.27
Time : 0.040 S33 MAX ksi: 110.78 Avg. ksi: 7.62
Time : 0.042 S33 MAX ksi: 120.37 Avg. ksi: 7.17
Time : 0.044 S33 MAX ksi: 125.35 Avg. ksi: 6.91
Time : 0.046 S33 MAX ksi: 128.24 Avg. ksi: 6.73
Time : 0.048 S33 MAX ksi: 131.23 Avg. ksi: 6.60
Time : 0.050 S33 MAX ksi: 134.44 Avg. ksi: 6.06
Time : 0.052 S33 MAX ksi: 136.66 Avg. ksi: 5.88
Time : 0.054 S33 MAX ksi: 138.36 Avg. ksi: 6.25
Time : 0.056 S33 MAX ksi: 141.92 Avg. ksi: 6.26
Time : 0.058 S33 MAX ksi: 144.96 Avg. ksi: 6.59
Time : 0.060 S33 MAX ksi: 148.24 Avg. ksi: 6.72
Time : 0.062 S33 MAX ksi: 150.45 Avg. ksi: 7.21
Time : 0.064 S33 MAX ksi: 154.21 Avg. ksi: 7.56
Time : 0.066 S33 MAX ksi: 160.26 Avg. ksi: 8.07
Time : 0.068 S33 MAX ksi: 169.15 Avg. ksi: 9.31
Time : 0.070 S33 MAX ksi: 180.89 Avg. ksi: 13.05
Time : 0.072 S33 MAX ksi: 195.13 Avg. ksi: 16.27
Time : 0.074 S33 MAX ksi: 208.93 Avg. ksi: 17.43
Time : 0.075 S33 MAX ksi: 105.09 Avg. ksi: 9.36
OUTPUT BOLT COUNT : 12
Time : 0.010 S33 MAX ksi: 1.23 Avg. ksi: 0.00
Time : 0.020 S33 MAX ksi: 28.72 Avg. ksi: 22.94
Time : 0.024 S33 MAX ksi: 28.57 Avg. ksi: 21.81
Time : 0.028 S33 MAX ksi: 30.34 Avg. ksi: 21.68
Time : 0.032 S33 MAX ksi: 31.02 Avg. ksi: 21.52
Time : 0.036 S33 MAX ksi: 33.03 Avg. ksi: 21.76
Time : 0.040 S33 MAX ksi: 39.12 Avg. ksi: 21.73
Time : 0.042 S33 MAX ksi: 41.72 Avg. ksi: 21.77
Time : 0.044 S33 MAX ksi: 44.60 Avg. ksi: 21.67
Time : 0.046 S33 MAX ksi: 47.65 Avg. ksi: 21.72
Time : 0.048 S33 MAX ksi: 51.01 Avg. ksi: 21.56
Time : 0.050 S33 MAX ksi: 54.57 Avg. ksi: 21.36
Time : 0.052 S33 MAX ksi: 59.60 Avg. ksi: 21.55
Time : 0.054 S33 MAX ksi: 66.28 Avg. ksi: 22.11
Time : 0.056 S33 MAX ksi: 74.07 Avg. ksi: 22.41
Time : 0.058 S33 MAX ksi: 82.03 Avg. ksi: 22.55
Time : 0.060 S33 MAX ksi: 92.05 Avg. ksi: 23.10
Time : 0.062 S33 MAX ksi: 102.97 Avg. ksi: 23.56
Time : 0.064 S33 MAX ksi: 117.02 Avg. ksi: 24.59
Time : 0.066 S33 MAX ksi: 125.59 Avg. ksi: 25.58
Time : 0.068 S33 MAX ksi: 133.44 Avg. ksi: 26.75
Time : 0.070 S33 MAX ksi: 136.90 Avg. ksi: 28.56
Time : 0.072 S33 MAX ksi: 139.89 Avg. ksi: 31.16
Time : 0.074 S33 MAX ksi: 139.02 Avg. ksi: 16.72
Time : 0.075 S33 MAX ksi: 146.16 Avg. ksi: 18.45
OUTPUT BOLT COUNT : 13
Time : 0.010 S33 MAX ksi: 1.42 Avg. ksi: 0.04
Time : 0.020 S33 MAX ksi: 53.55 Avg. ksi: 42.10
Time : 0.024 S33 MAX ksi: 63.95 Avg. ksi: 41.01
Time : 0.028 S33 MAX ksi: 102.46 Avg. ksi: 42.97
Time : 0.032 S33 MAX ksi: 118.20 Avg. ksi: 43.78
Time : 0.036 S33 MAX ksi: 134.14 Avg. ksi: 43.90

Time : 0.040 S33 MAX ksi: 139.83 Avg. ksi: 41.62
Time : 0.042 S33 MAX ksi: 141.95 Avg. ksi: 40.33
Time : 0.044 S33 MAX ksi: 144.16 Avg. ksi: 38.95
Time : 0.046 S33 MAX ksi: 145.43 Avg. ksi: 37.22
Time : 0.048 S33 MAX ksi: 147.11 Avg. ksi: 34.94
Time : 0.050 S33 MAX ksi: 148.80 Avg. ksi: 33.09
Time : 0.052 S33 MAX ksi: 150.98 Avg. ksi: 31.19
Time : 0.054 S33 MAX ksi: 153.10 Avg. ksi: 29.42
Time : 0.056 S33 MAX ksi: 156.48 Avg. ksi: 27.77
Time : 0.058 S33 MAX ksi: 158.23 Avg. ksi: 27.33
Time : 0.060 S33 MAX ksi: 160.80 Avg. ksi: 27.29
Time : 0.062 S33 MAX ksi: 162.88 Avg. ksi: 26.75
Time : 0.064 S33 MAX ksi: 166.65 Avg. ksi: 25.05
Time : 0.066 S33 MAX ksi: 170.80 Avg. ksi: 23.09
Time : 0.068 S33 MAX ksi: 177.12 Avg. ksi: 22.48
Time : 0.070 S33 MAX ksi: 184.21 Avg. ksi: 23.13
Time : 0.072 S33 MAX ksi: 190.66 Avg. ksi: 23.02
Time : 0.074 S33 MAX ksi: 205.24 Avg. ksi: 30.39
Time : 0.075 S33 MAX ksi: 208.45 Avg. ksi: 34.22
OUTPUT BOLT COUNT : 14
Time : 0.010 S33 MAX ksi: 0.23 Avg. ksi: 0.00
Time : 0.020 S33 MAX ksi: 29.26 Avg. ksi: 25.13
Time : 0.024 S33 MAX ksi: 31.18 Avg. ksi: 24.39
Time : 0.028 S33 MAX ksi: 60.33 Avg. ksi: 23.99
Time : 0.032 S33 MAX ksi: 69.72 Avg. ksi: 23.71
Time : 0.036 S33 MAX ksi: 88.62 Avg. ksi: 23.79
Time : 0.040 S33 MAX ksi: 105.82 Avg. ksi: 23.65
Time : 0.042 S33 MAX ksi: 112.74 Avg. ksi: 23.48
Time : 0.044 S33 MAX ksi: 120.77 Avg. ksi: 23.10
Time : 0.046 S33 MAX ksi: 126.40 Avg. ksi: 22.44
Time : 0.048 S33 MAX ksi: 130.62 Avg. ksi: 21.78
Time : 0.050 S33 MAX ksi: 134.04 Avg. ksi: 21.08
Time : 0.052 S33 MAX ksi: 137.63 Avg. ksi: 20.83
Time : 0.054 S33 MAX ksi: 141.14 Avg. ksi: 19.84
Time : 0.056 S33 MAX ksi: 145.39 Avg. ksi: 19.49
Time : 0.058 S33 MAX ksi: 146.71 Avg. ksi: 18.82
Time : 0.060 S33 MAX ksi: 148.34 Avg. ksi: 17.75
Time : 0.062 S33 MAX ksi: 149.72 Avg. ksi: 17.11
Time : 0.064 S33 MAX ksi: 153.05 Avg. ksi: 16.64
Time : 0.066 S33 MAX ksi: 158.10 Avg. ksi: 16.53
Time : 0.068 S33 MAX ksi: 164.92 Avg. ksi: 16.87
Time : 0.070 S33 MAX ksi: 173.13 Avg. ksi: 19.26
Time : 0.072 S33 MAX ksi: 180.20 Avg. ksi: 18.35
Time : 0.074 S33 MAX ksi: 193.39 Avg. ksi: 27.55
Time : 0.075 S33 MAX ksi: 120.86 Avg. ksi: 14.82
OUTPUT BOLT COUNT : 15
Time : 0.010 S33 MAX ksi: 0.63 Avg. ksi: 0.00
Time : 0.020 S33 MAX ksi: 52.52 Avg. ksi: 38.83
Time : 0.024 S33 MAX ksi: 68.03 Avg. ksi: 36.65
Time : 0.028 S33 MAX ksi: 85.55 Avg. ksi: 37.15
Time : 0.032 S33 MAX ksi: 106.72 Avg. ksi: 37.53
Time : 0.036 S33 MAX ksi: 126.88 Avg. ksi: 38.01
Time : 0.040 S33 MAX ksi: 138.08 Avg. ksi: 35.56
Time : 0.042 S33 MAX ksi: 141.75 Avg. ksi: 33.66
Time : 0.044 S33 MAX ksi: 143.47 Avg. ksi: 31.73
Time : 0.046 S33 MAX ksi: 145.05 Avg. ksi: 29.63
Time : 0.048 S33 MAX ksi: 147.14 Avg. ksi: 27.77
Time : 0.050 S33 MAX ksi: 148.80 Avg. ksi: 26.31
Time : 0.052 S33 MAX ksi: 150.32 Avg. ksi: 25.15
Time : 0.054 S33 MAX ksi: 150.52 Avg. ksi: 24.59
Time : 0.056 S33 MAX ksi: 153.81 Avg. ksi: 23.97
Time : 0.058 S33 MAX ksi: 156.01 Avg. ksi: 22.49
Time : 0.060 S33 MAX ksi: 159.87 Avg. ksi: 20.77
Time : 0.062 S33 MAX ksi: 162.81 Avg. ksi: 19.02

Time : 0.064 S33 MAX ksi: 166.36 Avg. ksi: 18.21
Time : 0.066 S33 MAX ksi: 171.23 Avg. ksi: 17.58
Time : 0.068 S33 MAX ksi: 177.42 Avg. ksi: 18.17
Time : 0.070 S33 MAX ksi: 185.40 Avg. ksi: 20.01
Time : 0.072 S33 MAX ksi: 196.10 Avg. ksi: 23.02
Time : 0.074 S33 MAX ksi: 104.98 Avg. ksi: 0.13
Time : 0.075 S33 MAX ksi: 118.13 Avg. ksi: 8.75
OUTPUT BOLT COUNT : 16
Time : 0.010 S33 MAX ksi: 0.77 Avg. ksi: 0.04
Time : 0.020 S33 MAX ksi: 40.10 Avg. ksi: 31.76
Time : 0.024 S33 MAX ksi: 40.31 Avg. ksi: 30.22
Time : 0.028 S33 MAX ksi: 41.80 Avg. ksi: 30.47
Time : 0.032 S33 MAX ksi: 42.36 Avg. ksi: 30.45
Time : 0.036 S33 MAX ksi: 43.98 Avg. ksi: 30.78
Time : 0.040 S33 MAX ksi: 47.23 Avg. ksi: 30.78
Time : 0.042 S33 MAX ksi: 49.84 Avg. ksi: 30.79
Time : 0.044 S33 MAX ksi: 53.19 Avg. ksi: 30.75
Time : 0.046 S33 MAX ksi: 56.66 Avg. ksi: 30.78
Time : 0.048 S33 MAX ksi: 60.60 Avg. ksi: 30.76
Time : 0.050 S33 MAX ksi: 64.99 Avg. ksi: 30.73
Time : 0.052 S33 MAX ksi: 70.81 Avg. ksi: 30.72
Time : 0.054 S33 MAX ksi: 77.28 Avg. ksi: 30.81
Time : 0.056 S33 MAX ksi: 84.49 Avg. ksi: 30.54
Time : 0.058 S33 MAX ksi: 91.25 Avg. ksi: 29.97
Time : 0.060 S33 MAX ksi: 100.62 Avg. ksi: 29.28
Time : 0.062 S33 MAX ksi: 109.64 Avg. ksi: 28.06
Time : 0.064 S33 MAX ksi: 117.13 Avg. ksi: 26.66
Time : 0.066 S33 MAX ksi: 121.56 Avg. ksi: 25.09
Time : 0.068 S33 MAX ksi: 126.45 Avg. ksi: 23.35
Time : 0.070 S33 MAX ksi: 132.74 Avg. ksi: 21.12
Time : 0.072 S33 MAX ksi: 136.60 Avg. ksi: 18.92
Time : 0.074 S33 MAX ksi: 135.58 Avg. ksi: 15.56
Time : 0.075 S33 MAX ksi: 143.70 Avg. ksi: 13.87
OUTPUT BOLT COUNT : 17
Time : 0.010 S33 MAX ksi: 1.63 Avg. ksi: 0.01
Time : 0.020 S33 MAX ksi: 39.43 Avg. ksi: 32.30
Time : 0.024 S33 MAX ksi: 41.39 Avg. ksi: 30.16
Time : 0.028 S33 MAX ksi: 79.53 Avg. ksi: 30.11
Time : 0.032 S33 MAX ksi: 92.59 Avg. ksi: 30.03
Time : 0.036 S33 MAX ksi: 116.34 Avg. ksi: 29.81
Time : 0.040 S33 MAX ksi: 127.05 Avg. ksi: 27.96
Time : 0.042 S33 MAX ksi: 130.22 Avg. ksi: 26.98
Time : 0.044 S33 MAX ksi: 134.01 Avg. ksi: 25.86
Time : 0.046 S33 MAX ksi: 137.46 Avg. ksi: 24.25
Time : 0.048 S33 MAX ksi: 140.70 Avg. ksi: 22.68
Time : 0.050 S33 MAX ksi: 142.62 Avg. ksi: 21.25
Time : 0.052 S33 MAX ksi: 144.24 Avg. ksi: 19.46
Time : 0.054 S33 MAX ksi: 146.06 Avg. ksi: 18.18
Time : 0.056 S33 MAX ksi: 148.95 Avg. ksi: 17.19
Time : 0.058 S33 MAX ksi: 151.03 Avg. ksi: 16.36
Time : 0.060 S33 MAX ksi: 154.35 Avg. ksi: 15.76
Time : 0.062 S33 MAX ksi: 157.98 Avg. ksi: 15.35
Time : 0.064 S33 MAX ksi: 162.56 Avg. ksi: 14.42
Time : 0.066 S33 MAX ksi: 167.78 Avg. ksi: 13.57
Time : 0.068 S33 MAX ksi: 171.71 Avg. ksi: 13.78
Time : 0.070 S33 MAX ksi: 175.61 Avg. ksi: 14.54
Time : 0.072 S33 MAX ksi: 183.54 Avg. ksi: 16.51
Time : 0.074 S33 MAX ksi: 185.65 Avg. ksi: 21.08
Time : 0.075 S33 MAX ksi: 197.42 Avg. ksi: 20.40
OUTPUT BOLT COUNT : 18
Time : 0.010 S33 MAX ksi: 0.95 Avg. ksi: 0.09
Time : 0.020 S33 MAX ksi: 36.97 Avg. ksi: 26.06
Time : 0.024 S33 MAX ksi: 44.77 Avg. ksi: 24.95
Time : 0.028 S33 MAX ksi: 83.27 Avg. ksi: 25.50

Time : 0.032 S33 MAX ksi: 97.11 Avg. ksi: 25.95
Time : 0.036 S33 MAX ksi: 120.95 Avg. ksi: 26.47
Time : 0.040 S33 MAX ksi: 128.76 Avg. ksi: 25.94
Time : 0.042 S33 MAX ksi: 131.50 Avg. ksi: 25.45
Time : 0.044 S33 MAX ksi: 135.27 Avg. ksi: 24.58
Time : 0.046 S33 MAX ksi: 138.55 Avg. ksi: 23.65
Time : 0.048 S33 MAX ksi: 141.76 Avg. ksi: 22.66
Time : 0.050 S33 MAX ksi: 143.54 Avg. ksi: 21.37
Time : 0.052 S33 MAX ksi: 144.62 Avg. ksi: 20.24
Time : 0.054 S33 MAX ksi: 145.59 Avg. ksi: 19.29
Time : 0.056 S33 MAX ksi: 147.48 Avg. ksi: 18.21
Time : 0.058 S33 MAX ksi: 148.14 Avg. ksi: 17.11
Time : 0.060 S33 MAX ksi: 150.29 Avg. ksi: 16.08
Time : 0.062 S33 MAX ksi: 152.18 Avg. ksi: 15.05
Time : 0.064 S33 MAX ksi: 155.64 Avg. ksi: 13.93
Time : 0.066 S33 MAX ksi: 161.39 Avg. ksi: 13.39
Time : 0.068 S33 MAX ksi: 169.57 Avg. ksi: 14.22
Time : 0.070 S33 MAX ksi: 176.64 Avg. ksi: 16.11
Time : 0.072 S33 MAX ksi: 187.51 Avg. ksi: 18.95
Time : 0.074 S33 MAX ksi: 107.40 Avg. ksi: 4.70
Time : 0.075 S33 MAX ksi: 110.94 Avg. ksi: 5.90

N-8

STRESS::BASKIN

JOB 980

BP.RPT_OUT;1

File: _6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1
Last Modified: 11-NOV-1997 15:50
Owner UIC: [G42,BASKIN]

Length:	52 blocks
Longest record:	56 bytes
Priority:	100
Submit queue:	SYS$PRINT
Submitted:	11-NOV-1997 15:50
Printer queue:	SYS$PRINT
Printer device:	POSTMO::

N-9

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 1

OUTPUT BOLT COUNT : 00
OUTPUT BOLT COUNT : 01

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.05	Avg. %:	0.01
Time :	0.048	PEEQ MAX %:	0.12	Avg. %:	0.03
Time :	0.050	PEEQ MAX %:	0.19	Avg. %:	0.05
Time :	0.052	PEEQ MAX %:	0.27	Avg. %:	0.07
Time :	0.054	PEEQ MAX %:	0.36	Avg. %:	0.11
Time :	0.056	PEEQ MAX %:	0.45	Avg. %:	0.16
Time :	0.058	PEEQ MAX %:	0.54	Avg. %:	0.22
Time :	0.060	PEEQ MAX %:	0.65	Avg. %:	0.27
Time :	0.062	PEEQ MAX %:	0.77	Avg. %:	0.33
Time :	0.064	PEEQ MAX %:	0.91	Avg. %:	0.42
Time :	0.066	PEEQ MAX %:	1.21	Avg. %:	0.58
Time :	0.068	PEEQ MAX %:	1.60	Avg. %:	0.80
Time :	0.070	PEEQ MAX %:	2.07	Avg. %:	1.04
Time :	0.072	PEEQ MAX %:	2.64	Avg. %:	1.38
Time :	0.074	PEEQ MAX %:	3.29	Avg. %:	1.81
Time :	0.075	PEEQ MAX %:	3.63	Avg. %:	2.05

OUTPUT BOLT COUNT : 02

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.048	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.050	PEEQ MAX %:	0.04	Avg. %:	0.01
Time :	0.052	PEEQ MAX %:	0.09	Avg. %:	0.02
Time :	0.054	PEEQ MAX %:	0.18	Avg. %:	0.04
Time :	0.056	PEEQ MAX %:	0.23	Avg. %:	0.06
Time :	0.058	PEEQ MAX %:	0.28	Avg. %:	0.10
Time :	0.060	PEEQ MAX %:	0.39	Avg. %:	0.15
Time :	0.062	PEEQ MAX %:	0.53	Avg. %:	0.22
Time :	0.064	PEEQ MAX %:	0.70	Avg. %:	0.31
Time :	0.066	PEEQ MAX %:	0.95	Avg. %:	0.46
Time :	0.068	PEEQ MAX %:	1.25	Avg. %:	0.63
Time :	0.070	PEEQ MAX %:	1.66	Avg. %:	0.87
Time :	0.072	PEEQ MAX %:	2.17	Avg. %:	1.35
Time :	0.074	PEEQ MAX %:	2.78	Avg. %:	1.78
Time :	0.075	PEEQ MAX %:	3.15	Avg. %:	1.98

OUTPUT BOLT COUNT : 03

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.00	Avg. %:	0.00

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 2

Time :	0.048	PEEQ MAX %:	0.03	Avg. %:	0.01
Time :	0.050	PEEQ MAX %:	0.07	Avg. %:	0.02
Time :	0.052	PEEQ MAX %:	0.12	Avg. %:	0.03
Time :	0.054	PEEQ MAX %:	0.19	Avg. %:	0.05
Time :	0.056	PEEQ MAX %:	0.27	Avg. %:	0.08
Time :	0.058	PEEQ MAX %:	0.37	Avg. %:	0.12
Time :	0.060	PEEQ MAX %:	0.51	Avg. %:	0.19
Time :	0.062	PEEQ MAX %:	0.70	Avg. %:	0.30
Time :	0.064	PEEQ MAX %:	0.91	Avg. %:	0.42
Time :	0.066	PEEQ MAX %:	1.19	Avg. %:	0.58
Time :	0.068	PEEQ MAX %:	1.53	Avg. %:	0.77
Time :	0.070	PEEQ MAX %:	1.95	Avg. %:	1.01
Time :	0.072	PEEQ MAX %:	2.51	Avg. %:	1.44
Time :	0.074	PEEQ MAX %:	3.25	Avg. %:	1.93
Time :	0.075	PEEQ MAX %:	3.70	Avg. %:	2.23

OUTPUT BOLT COUNT : 04

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.048	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.050	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.052	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.054	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.056	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.058	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.060	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.062	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.064	PEEQ MAX %:	0.04	Avg. %:	0.01
Time :	0.066	PEEQ MAX %:	0.17	Avg. %:	0.08
Time :	0.068	PEEQ MAX %:	0.39	Avg. %:	0.19
Time :	0.070	PEEQ MAX %:	0.63	Avg. %:	0.30
Time :	0.072	PEEQ MAX %:	0.92	Avg. %:	0.47
Time :	0.074	PEEQ MAX %:	1.37	Avg. %:	0.80
Time :	0.075	PEEQ MAX %:	1.62	Avg. %:	0.98

OUTPUT BOLT COUNT : 05

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.12	Avg. %:	0.03
Time :	0.040	PEEQ MAX %:	0.34	Avg. %:	0.15
Time :	0.042	PEEQ MAX %:	0.46	Avg. %:	0.21
Time :	0.044	PEEQ MAX %:	0.60	Avg. %:	0.28
Time :	0.046	PEEQ MAX %:	0.74	Avg. %:	0.36
Time :	0.048	PEEQ MAX %:	0.90	Avg. %:	0.44
Time :	0.050	PEEQ MAX %:	1.05	Avg. %:	0.52
Time :	0.052	PEEQ MAX %:	1.21	Avg. %:	0.60
Time :	0.054	PEEQ MAX %:	1.41	Avg. %:	0.70
Time :	0.056	PEEQ MAX %:	1.64	Avg. %:	0.82
Time :	0.058	PEEQ MAX %:	1.88	Avg. %:	0.96
Time :	0.060	PEEQ MAX %:	2.16	Avg. %:	1.12
Time :	0.062	PEEQ MAX %:	2.44	Avg. %:	1.27
Time :	0.064	PEEQ MAX %:	2.82	Avg. %:	1.48
Time :	0.066	PEEQ MAX %:	3.38	Avg. %:	1.82
Time :	0.068	PEEQ MAX %:	4.07	Avg. %:	2.24
Time :	0.070	PEEQ MAX %:	4.93	Avg. %:	2.81

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 3

Time :	0.072	PEEQ MAX %:	6.04	Avg. %:	3.59
Time :	0.074	PEEQ MAX %:	7.32	Avg. %:	4.50
Time :	0.075	PEEQ MAX %:	7.97	Avg. %:	5.22 ←

OUTPUT BOLT COUNT : 06

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.03	Avg. %:	0.01
Time :	0.040	PEEQ MAX %:	0.27	Avg. %:	0.13
Time :	0.042	PEEQ MAX %:	0.39	Avg. %:	0.19
Time :	0.044	PEEQ MAX %:	0.53	Avg. %:	0.26
Time :	0.046	PEEQ MAX %:	0.70	Avg. %:	0.35
Time :	0.048	PEEQ MAX %:	0.88	Avg. %:	0.44
Time :	0.050	PEEQ MAX %:	1.07	Avg. %:	0.53
Time :	0.052	PEEQ MAX %:	1.25	Avg. %:	0.62
Time :	0.054	PEEQ MAX %:	1.46	Avg. %:	0.72
Time :	0.056	PEEQ MAX %:	1.70	Avg. %:	0.86
Time :	0.058	PEEQ MAX %:	1.99	Avg. %:	1.04
Time :	0.060	PEEQ MAX %:	2.32	Avg. %:	1.25
Time :	0.062	PEEQ MAX %:	2.76	Avg. %:	1.58
Time :	0.064	PEEQ MAX %:	3.29	Avg. %:	2.00
Time :	0.066	PEEQ MAX %:	3.97	Avg. %:	2.55
Time :	0.068	PEEQ MAX %:	4.87	Avg. %:	3.26
Time :	0.070	PEEQ MAX %:	5.91	Avg. %:	4.05
Time :	0.072	PEEQ MAX %:	7.35	Avg. %:	5.08
Time :	0.074	PEEQ MAX %:	7.97	Avg. %:	5.67 ←
Time :	0.075	PEEQ MAX %:	7.97	Avg. %:	6.08

OUTPUT BOLT COUNT : 07

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.22	Avg. %:	0.08
Time :	0.040	PEEQ MAX %:	0.67	Avg. %:	0.31
Time :	0.042	PEEQ MAX %:	0.90	Avg. %:	0.43
Time :	0.044	PEEQ MAX %:	1.14	Avg. %:	0.56
Time :	0.046	PEEQ MAX %:	1.37	Avg. %:	0.71
Time :	0.048	PEEQ MAX %:	1.60	Avg. %:	0.90
Time :	0.050	PEEQ MAX %:	1.85	Avg. %:	1.10
Time :	0.052	PEEQ MAX %:	2.08	Avg. %:	1.29
Time :	0.054	PEEQ MAX %:	2.28	Avg. %:	1.46
Time :	0.056	PEEQ MAX %:	2.50	Avg. %:	1.66
Time :	0.058	PEEQ MAX %:	2.78	Avg. %:	1.89
Time :	0.060	PEEQ MAX %:	3.13	Avg. %:	2.18
Time :	0.062	PEEQ MAX %:	3.58	Avg. %:	2.56
Time :	0.064	PEEQ MAX %:	4.12	Avg. %:	3.00
Time :	0.066	PEEQ MAX %:	4.78	Avg. %:	3.52
Time :	0.068	PEEQ MAX %:	5.63	Avg. %:	4.17
Time :	0.070	PEEQ MAX %:	6.66	Avg. %:	4.90
Time :	0.072	PEEQ MAX %:	7.97	Avg. %:	6.22 ←
Time :	0.074	PEEQ MAX %:	7.97	Avg. %:	6.22
Time :	0.075	PEEQ MAX %:	7.97	Avg. %:	6.61

OUTPUT BOLT COUNT : 08

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 4

Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.048	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.050	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.052	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.054	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.056	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.058	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.060	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.062	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.064	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.066	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.068	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.070	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.072	PEEQ MAX %:	0.04	Avg. %:	0.01
Time :	0.074	PEEQ MAX %:	0.29	Avg. %:	0.10
Time :	0.075	PEEQ MAX %:	0.55	Avg. %:	0.22

OUTPUT BOLT COUNT : 09

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.07	Avg. %:	0.04
Time :	0.046	PEEQ MAX %:	0.21	Avg. %:	0.13
Time :	0.048	PEEQ MAX %:	0.35	Avg. %:	0.23
Time :	0.050	PEEQ MAX %:	0.49	Avg. %:	0.34
Time :	0.052	PEEQ MAX %:	0.62	Avg. %:	0.46
Time :	0.054	PEEQ MAX %:	0.76	Avg. %:	0.59
Time :	0.056	PEEQ MAX %:	0.90	Avg. %:	0.72
Time :	0.058	PEEQ MAX %:	1.00	Avg. %:	0.81
Time :	0.060	PEEQ MAX %:	1.10	Avg. %:	0.90
Time :	0.062	PEEQ MAX %:	1.23	Avg. %:	1.02
Time :	0.064	PEEQ MAX %:	1.50	Avg. %:	1.25
Time :	0.066	PEEQ MAX %:	1.82	Avg. %:	1.54
Time :	0.068	PEEQ MAX %:	2.27	Avg. %:	1.92
Time :	0.070	PEEQ MAX %:	2.86	Avg. %:	2.40
Time :	0.072	PEEQ MAX %:	3.69	Avg. %:	3.04
Time :	0.074	PEEQ MAX %:	4.85	Avg. %:	3.94
Time :	0.075	PEEQ MAX %:	5.73	Avg. %:	4.75

OUTPUT BOLT COUNT : 10

Time :	0.010	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.020	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.024	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.028	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.032	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.036	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.040	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.042	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.044	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.046	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.048	PEEQ MAX %:	0.00	Avg. %:	0.00
Time :	0.050	PEEQ MAX %:	0.07	Avg. %:	0.03
Time :	0.052	PEEQ MAX %:	0.20	Avg. %:	0.11
Time :	0.054	PEEQ MAX %:	0.36	Avg. %:	0.21
Time :	0.056	PEEQ MAX %:	0.55	Avg. %:	0.34
Time :	0.058	PEEQ MAX %:	0.77	Avg. %:	0.51
Time :	0.060	PEEQ MAX %:	1.00	Avg. %:	0.71
Time :	0.062	PEEQ MAX %:	1.30	Avg. %:	0.98
Time :	0.064	PEEQ MAX %:	1.68	Avg. %:	1.31
Time :	0.066	PEEQ MAX %:	2.19	Avg. %:	1.74

N-10

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 5

```
Time :  0.068   PEEQ MAX %:      2.88   Avg. %:      2.32
Time :  0.070   PEEQ MAX %:      3.82   Avg. %:      3.09
Time :  0.072   PEEQ MAX %:      5.02   Avg. %:      4.07
Time :  0.074   PEEQ MAX %:      6.57   Avg. %:      5.30
Time :  0.075   PEEQ MAX %:      7.59   Avg. %:      6.24
OUTPUT BOLT COUNT : 11
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.042   PEEQ MAX %:      0.03   Avg. %:      0.01
Time :  0.044   PEEQ MAX %:      0.12   Avg. %:      0.05
Time :  0.046   PEEQ MAX %:      0.23   Avg. %:      0.11
Time :  0.048   PEEQ MAX %:      0.35   Avg. %:      0.18
Time :  0.050   PEEQ MAX %:      0.48   Avg. %:      0.27
Time :  0.052   PEEQ MAX %:      0.61   Avg. %:      0.36
Time :  0.054   PEEQ MAX %:      0.72   Avg. %:      0.45
Time :  0.056   PEEQ MAX %:      0.88   Avg. %:      0.57
Time :  0.058   PEEQ MAX %:      1.10   Avg. %:      0.77
Time :  0.060   PEEQ MAX %:      1.42   Avg. %:      1.05
Time :  0.062   PEEQ MAX %:      1.77   Avg. %:      1.37
Time :  0.064   PEEQ MAX %:      2.18   Avg. %:      1.74
Time :  0.066   PEEQ MAX %:      2.73   Avg. %:      2.22
Time :  0.068   PEEQ MAX %:      3.43   Avg. %:      2.80
Time :  0.070   PEEQ MAX %:      4.39   Avg. %:      3.55
Time :  0.072   PEEQ MAX %:      5.68   Avg. %:      4.55
Time :  0.074   PEEQ MAX %:      7.34   Avg. %:      5.79
Time :  0.075   PEEQ MAX %:      7.97   Avg. %:      6.76
OUTPUT BOLT COUNT : 12
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.042   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.044   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.046   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.048   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.050   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.052   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.054   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.056   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.058   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.060   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.062   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.064   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.066   PEEQ MAX %:      0.12   Avg. %:      0.03
Time :  0.068   PEEQ MAX %:      0.32   Avg. %:      0.10
Time :  0.070   PEEQ MAX %:      0.48   Avg. %:      0.18
Time :  0.072   PEEQ MAX %:      0.61   Avg. %:      0.25
Time :  0.074   PEEQ MAX %:      0.84   Avg. %:      0.42
Time :  0.075   PEEQ MAX %:      1.12   Avg. %:      0.57
OUTPUT BOLT COUNT : 13
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.16   Avg. %:      0.04
```

_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 6

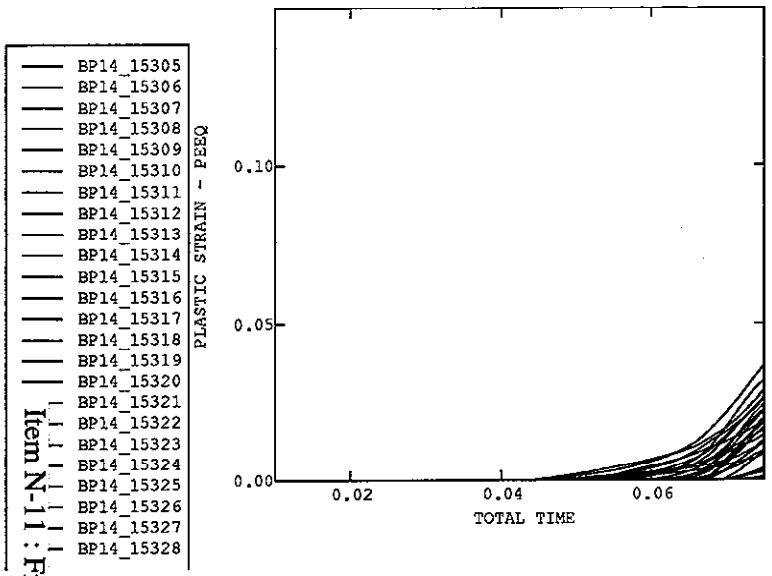
```
Time :  0.040   PEEQ MAX %:      0.41   Avg. %:      0.16
Time :  0.042   PEEQ MAX %:      0.52   Avg. %:      0.22
Time :  0.044   PEEQ MAX %:      0.66   Avg. %:      0.29
Time :  0.046   PEEQ MAX %:      0.82   Avg. %:      0.37
Time :  0.048   PEEQ MAX %:      0.99   Avg. %:      0.45
Time :  0.050   PEEQ MAX %:      1.15   Avg. %:      0.55
Time :  0.052   PEEQ MAX %:      1.32   Avg. %:      0.66
Time :  0.054   PEEQ MAX %:      1.51   Avg. %:      0.78
Time :  0.056   PEEQ MAX %:      1.72   Avg. %:      0.91
Time :  0.058   PEEQ MAX %:      1.88   Avg. %:      1.00
Time :  0.060   PEEQ MAX %:      2.00   Avg. %:      1.08
Time :  0.062   PEEQ MAX %:      2.19   Avg. %:      1.21
Time :  0.064   PEEQ MAX %:      2.52   Avg. %:      1.47
Time :  0.066   PEEQ MAX %:      2.95   Avg. %:      1.82
Time :  0.068   PEEQ MAX %:      3.48   Avg. %:      2.24
Time :  0.070   PEEQ MAX %:      4.17   Avg. %:      2.78
Time :  0.072   PEEQ MAX %:      5.03   Avg. %:      3.44
Time :  0.074   PEEQ MAX %:      6.09   Avg. %:      4.28
Time :  0.075   PEEQ MAX %:      7.01   Avg. %:      4.86
OUTPUT BOLT COUNT : 14
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.042   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.044   PEEQ MAX %:      0.01   Avg. %:      0.00
Time :  0.046   PEEQ MAX %:      0.12   Avg. %:      0.05
Time :  0.048   PEEQ MAX %:      0.26   Avg. %:      0.12
Time :  0.050   PEEQ MAX %:      0.41   Avg. %:      0.20
Time :  0.052   PEEQ MAX %:      0.56   Avg. %:      0.28
Time :  0.054   PEEQ MAX %:      0.73   Avg. %:      0.39
Time :  0.056   PEEQ MAX %:      0.95   Avg. %:      0.52
Time :  0.058   PEEQ MAX %:      1.19   Avg. %:      0.71
Time :  0.060   PEEQ MAX %:      1.48   Avg. %:      0.95
Time :  0.062   PEEQ MAX %:      1.82   Avg. %:      1.26
Time :  0.064   PEEQ MAX %:      2.22   Avg. %:      1.63
Time :  0.066   PEEQ MAX %:      2.77   Avg. %:      2.12
Time :  0.068   PEEQ MAX %:      3.50   Avg. %:      2.76
Time :  0.070   PEEQ MAX %:      4.42   Avg. %:      3.54
Time :  0.072   PEEQ MAX %:      5.51   Avg. %:      4.46
Time :  0.074   PEEQ MAX %:      7.00   Avg. %:      5.67
Time :  0.075   PEEQ MAX %:      7.97   Avg. %:      6.39
OUTPUT BOLT COUNT : 15
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.07   Avg. %:      0.02
Time :  0.040   PEEQ MAX %:      0.40   Avg. %:      0.18
Time :  0.042   PEEQ MAX %:      0.61   Avg. %:      0.27
Time :  0.044   PEEQ MAX %:      0.79   Avg. %:      0.36
Time :  0.046   PEEQ MAX %:      0.97   Avg. %:      0.45
Time :  0.048   PEEQ MAX %:      1.16   Avg. %:      0.54
Time :  0.050   PEEQ MAX %:      1.33   Avg. %:      0.65
Time :  0.052   PEEQ MAX %:      1.49   Avg. %:      0.75
Time :  0.054   PEEQ MAX %:      1.61   Avg. %:      0.84
Time :  0.056   PEEQ MAX %:      1.77   Avg. %:      0.97
Time :  0.058   PEEQ MAX %:      2.01   Avg. %:      1.18
Time :  0.060   PEEQ MAX %:      2.36   Avg. %:      1.49
Time :  0.062   PEEQ MAX %:      2.77   Avg. %:      1.86
```

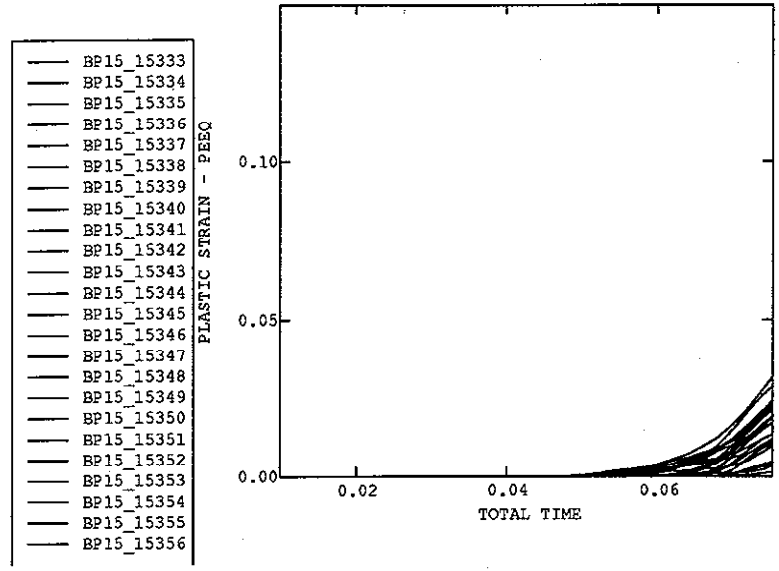
_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 7

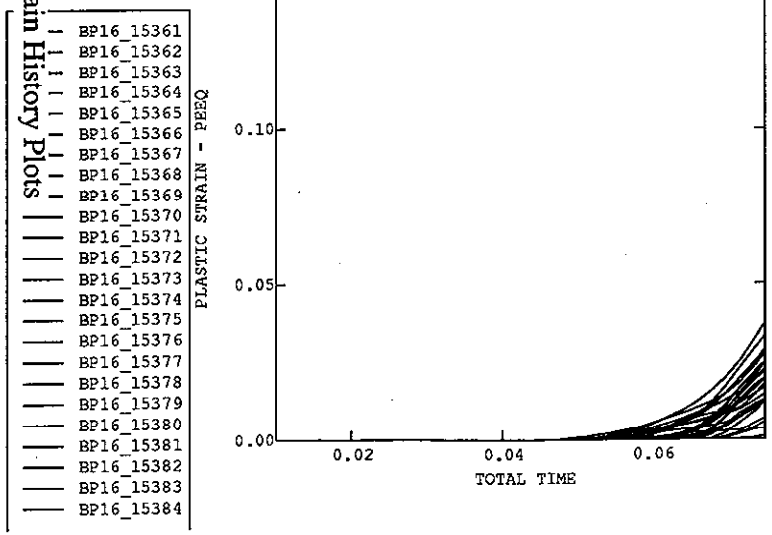
```
Time :  0.064   PEEQ MAX %:      3.20   Avg. %:      2.24
Time :  0.066   PEEQ MAX %:      3.77   Avg. %:      2.75
Time :  0.068   PEEQ MAX %:      4.48   Avg. %:      3.36
Time :  0.070   PEEQ MAX %:      5.38   Avg. %:      4.13
Time :  0.072   PEEQ MAX %:      6.52   Avg. %:      5.06
Time :  0.074   PEEQ MAX %:      7.97   Avg. %:      6.56
Time :  0.075   PEEQ MAX %:      7.97   Avg. %:      6.66
OUTPUT BOLT COUNT : 16
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.042   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.044   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.046   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.048   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.050   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.052   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.054   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.056   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.058   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.060   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.062   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.064   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.066   PEEQ MAX %:      0.07   Avg. %:      0.02
Time :  0.068   PEEQ MAX %:      0.20   Avg. %:      0.06
Time :  0.070   PEEQ MAX %:      0.41   Avg. %:      0.18
Time :  0.072   PEEQ MAX %:      0.59   Avg. %:      0.29
Time :  0.074   PEEQ MAX %:      0.79   Avg. %:      0.42
Time :  0.075   PEEQ MAX %:      1.09   Avg. %:      0.59
OUTPUT BOLT COUNT : 17
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.20   Avg. %:      0.09
Time :  0.042   PEEQ MAX %:      0.33   Avg. %:      0.15
Time :  0.044   PEEQ MAX %:      0.48   Avg. %:      0.23
Time :  0.046   PEEQ MAX %:      0.65   Avg. %:      0.32
Time :  0.048   PEEQ MAX %:      0.82   Avg. %:      0.42
Time :  0.050   PEEQ MAX %:      1.00   Avg. %:      0.53
Time :  0.052   PEEQ MAX %:      1.19   Avg. %:      0.66
Time :  0.054   PEEQ MAX %:      1.42   Avg. %:      0.85
Time :  0.056   PEEQ MAX %:      1.69   Avg. %:      1.07
Time :  0.058   PEEQ MAX %:      1.93   Avg. %:      1.27
Time :  0.060   PEEQ MAX %:      2.16   Avg. %:      1.46
Time :  0.062   PEEQ MAX %:      2.41   Avg. %:      1.66
Time :  0.064   PEEQ MAX %:      2.75   Avg. %:      1.93
Time :  0.066   PEEQ MAX %:      3.24   Avg. %:      2.35
Time :  0.068   PEEQ MAX %:      3.78   Avg. %:      2.81
Time :  0.070   PEEQ MAX %:      4.49   Avg. %:      3.42
Time :  0.072   PEEQ MAX %:      5.35   Avg. %:      4.13
Time :  0.074   PEEQ MAX %:      6.51   Avg. %:      5.10
Time :  0.075   PEEQ MAX %:      7.44   Avg. %:      5.80
OUTPUT BOLT COUNT : 18
Time :  0.010   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.020   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.024   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.028   PEEQ MAX %:      0.00   Avg. %:      0.00
```

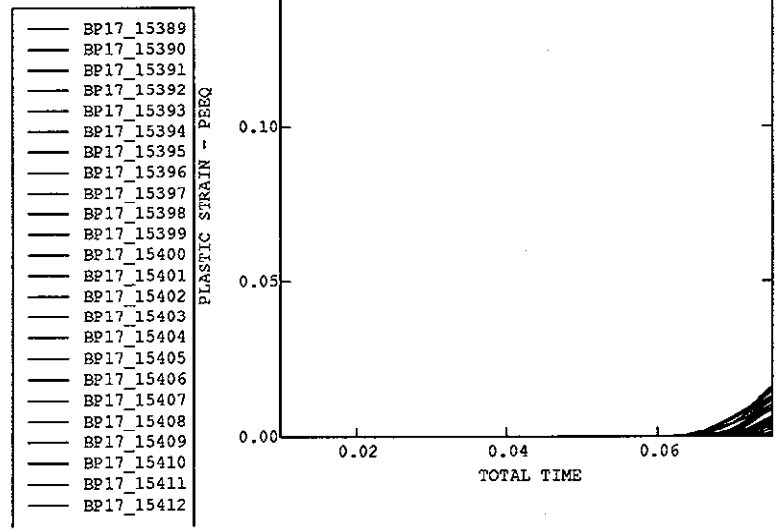
_6DRB5:[BASKIN.TEST.CUT.BIGHOLES_PRELOAD_B]BP.RPT_OUT;1 Page 8

```
Time :  0.032   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.036   PEEQ MAX %:      0.00   Avg. %:      0.00
Time :  0.040   PEEQ MAX %:      0.20   Avg. %:      0.06
Time :  0.042   PEEQ MAX %:      0.32   Avg. %:      0.12
Time :  0.044   PEEQ MAX %:      0.47   Avg. %:      0.19
Time :  0.046   PEEQ MAX %:      0.64   Avg. %:      0.28
Time :  0.048   PEEQ MAX %:      0.82   Avg. %:      0.37
Time :  0.050   PEEQ MAX %:      0.99   Avg. %:      0.46
Time :  0.052   PEEQ MAX %:      1.16   Avg. %:      0.59
Time :  0.054   PEEQ MAX %:      1.35   Avg. %:      0.75
Time :  0.056   PEEQ MAX %:      1.58   Avg. %:      0.95
Time :  0.058   PEEQ MAX %:      1.82   Avg. %:      1.19
Time :  0.060   PEEQ MAX %:      2.13   Avg. %:      1.48
Time :  0.062   PEEQ MAX %:      2.51   Avg. %:      1.86
Time :  0.064   PEEQ MAX %:      2.98   Avg. %:      2.31
Time :  0.066   PEEQ MAX %:      3.58   Avg. %:      2.86
Time :  0.068   PEEQ MAX %:      4.34   Avg. %:      3.52
Time :  0.070   PEEQ MAX %:      5.28   Avg. %:      4.34
Time :  0.072   PEEQ MAX %:      6.43   Avg. %:      5.31
Time :  0.074   PEEQ MAX %:      7.97   Avg. %:      6.78
Time :  0.075   PEEQ MAX %:      7.97   Avg. %:      6.87
```

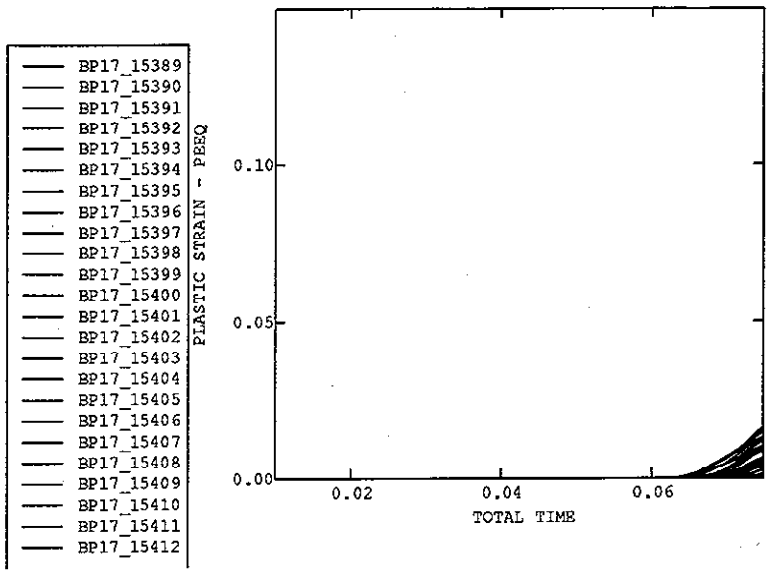


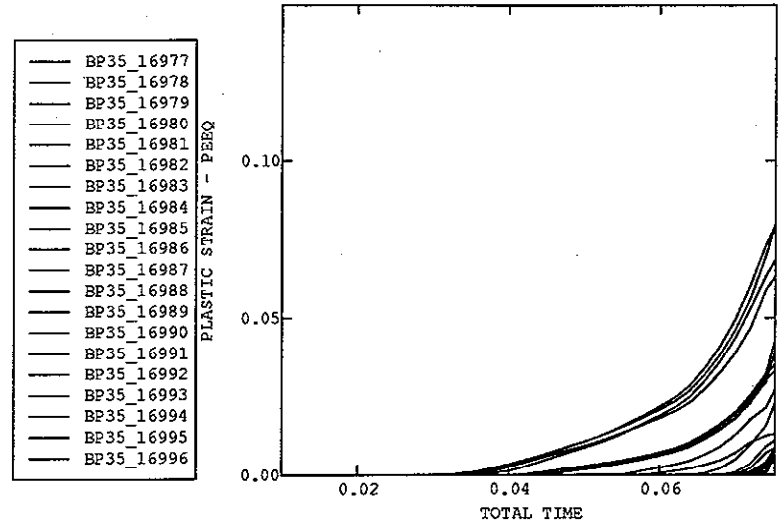


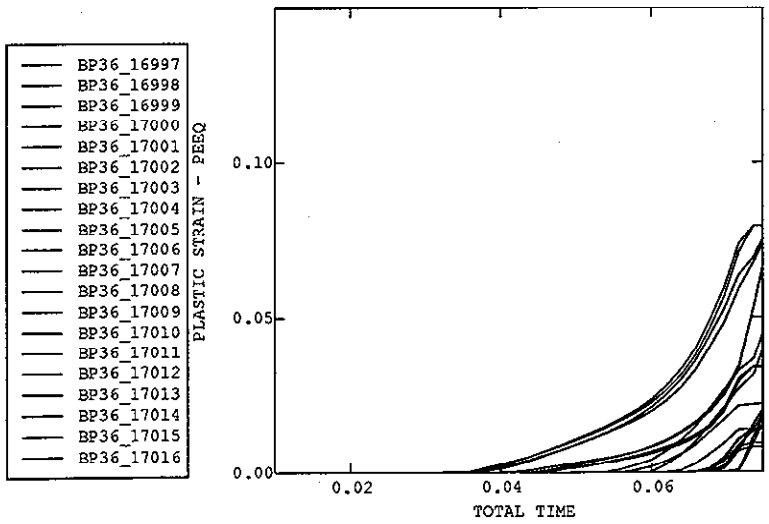


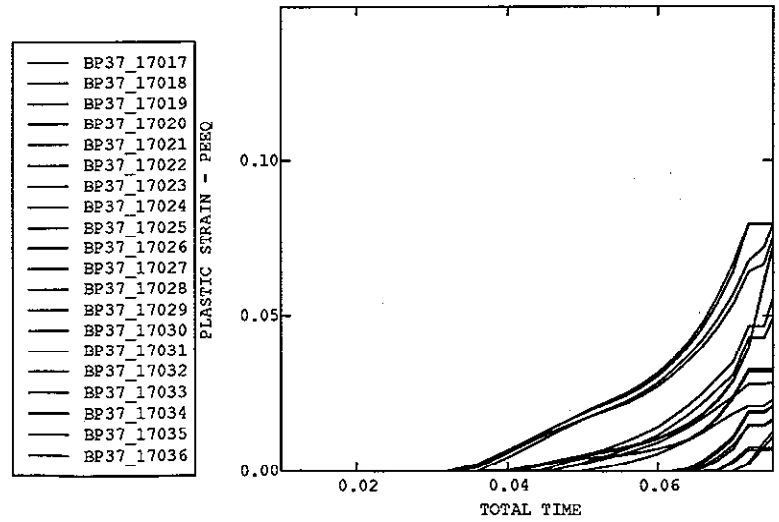


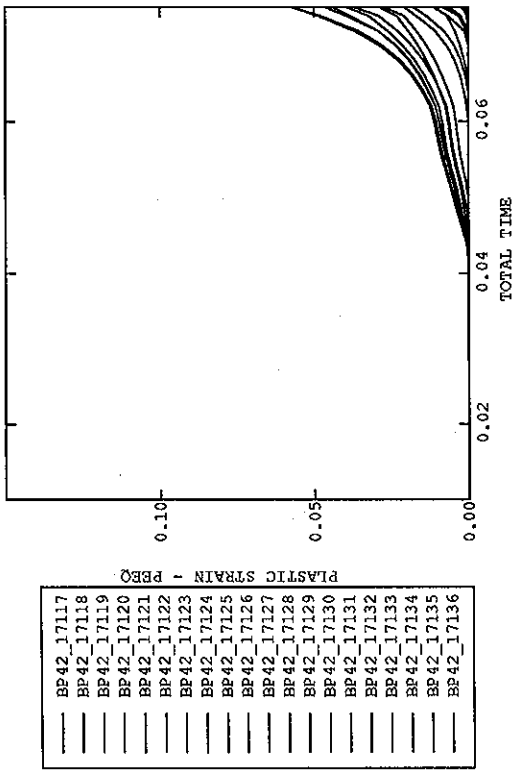
Item N-11 : Figure: Bolt Plastic Strain History Plots

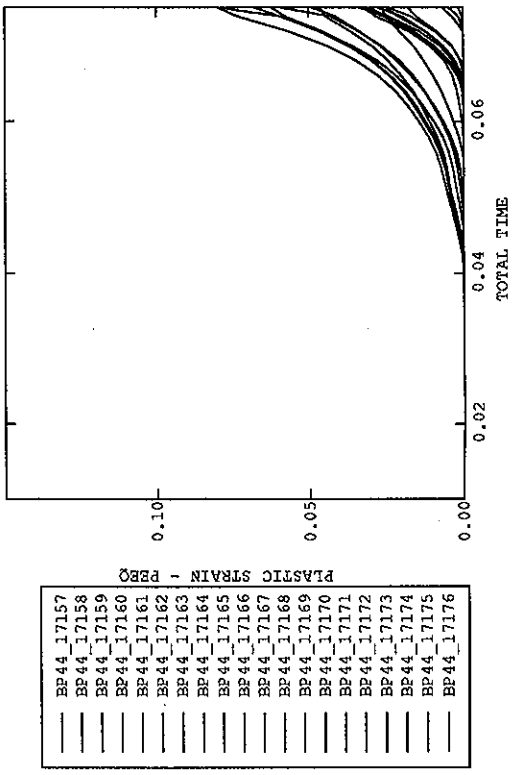

BP17_15389
BP17_15390
BP17_15391
BP17_15392
BP17_15393
BP17_15394
BP17_15395
BP17_15396
BP17_15397
BP17_15398
BP17_15399
BP17_15400
BP17_15401
BP17_15402
BP17_15403
BP17_15404
BP17_15405
BP17_15406
BP17_15407
BP17_15408
BP17_15409
BP17_15410
BP17_15411
BP17_15412
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

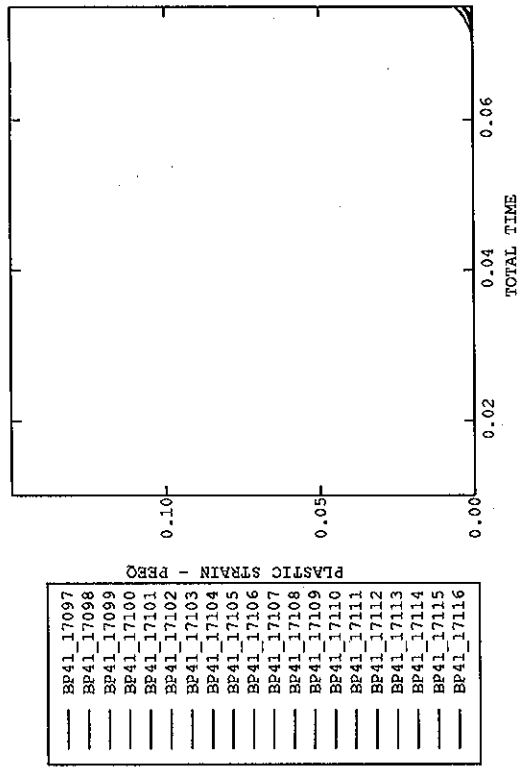

BP35_16977
BP35_16978
BP35_16979
BP35_16980
BP35_16981
BP35_16982
BP35_16983
BP35_16984
BP35_16985
BP35_16986
BP35_16987
BP35_16988
BP35_16989
BP35_16990
BP35_16991
BP35_16992
BP35_16993
BP35_16994
BP35_16995
BP35_16996
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

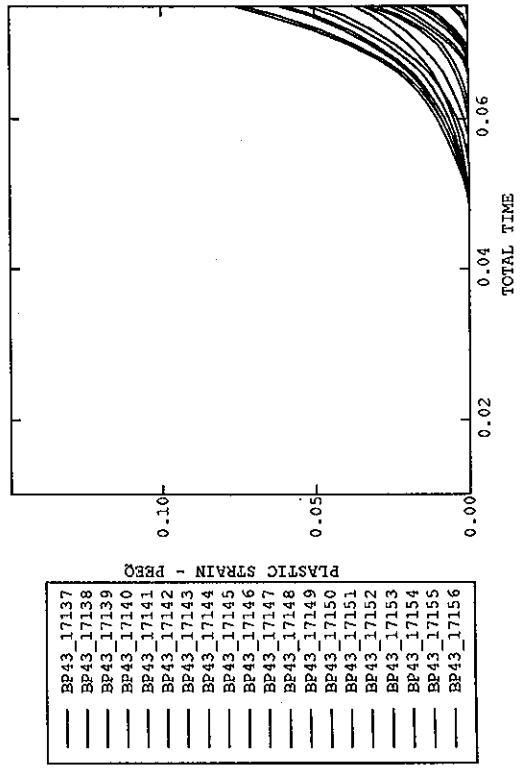

BP36_16997
BP36_16998
BP36_16999
BP36_17000
BP36_17001
BP36_17002
BP36_17003
BP36_17004
BP36_17005
BP36_17006
BP36_17007
BP36_17008
BP36_17009
BP36_17010
BP36_17011
BP36_17012
BP36_17013
BP36_17014
BP36_17015
BP36_17016
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

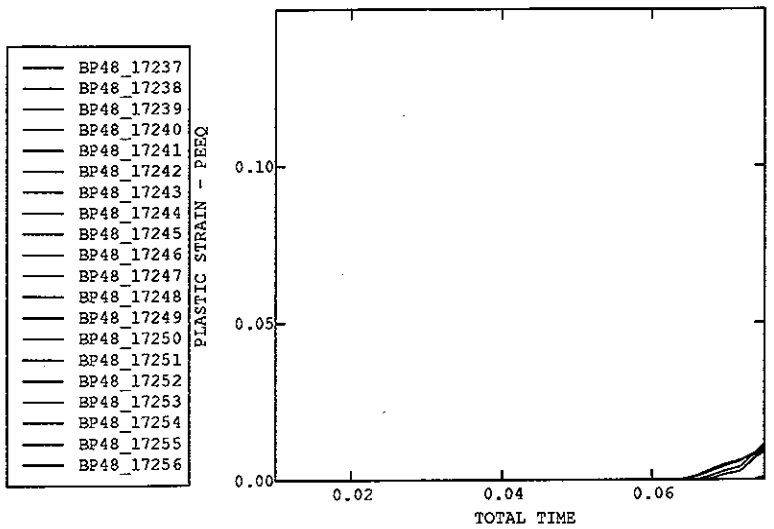

BP37_17017
BP37_17018
BP37_17019
BP37_17020
BP37_17021
BP37_17022
BP37_17023
BP37_17024
BP37_17025
BP37_17026
BP37_17027
BP37_17028
BP37_17029
BP37_17030
BP37_17031
BP37_17032
BP37_17033
BP37_17034
BP37_17035
BP37_17036
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

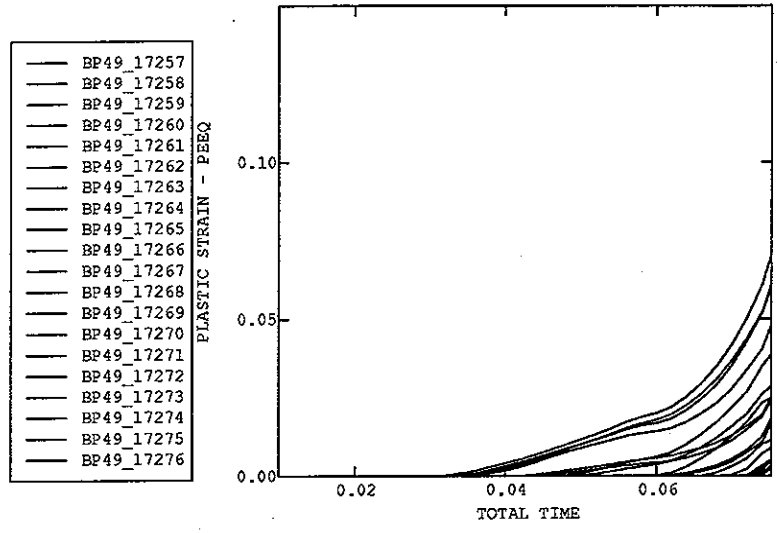

PLASTIC STRAIN - PEEQ
BP42_17117
BP42_17118
BP42_17119
BP42_17120
BP42_17121
BP42_17122
BP42_17123
BP42_17124
BP42_17125
BP42_17126
BP42_17127
BP42_17128
BP42_17129
BP42_17130
BP42_17131
BP42_17132
BP42_17133
BP42_17134
BP42_17135
BP42_17136
0.00
0.05
0.10
0.02
0.04
0.06
TOTAL TIME

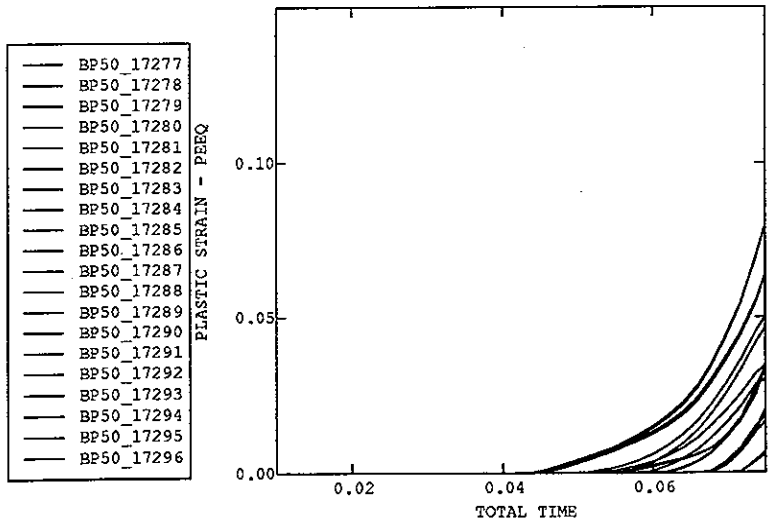

PLASTIC STRAIN - PEEQ
BP44_17157
BP44_17158
BP44_17159
BP44_17160
BP44_17161
BP44_17162
BP44_17163
BP44_17164
BP44_17165
BP44_17166
BP44_17167
BP44_17168
BP44_17169
BP44_17170
BP44_17171
BP44_17172
BP44_17173
BP44_17174
BP44_17175
BP44_17176
0.00
0.05
0.10
0.02
0.04
0.06
TOTAL TIME

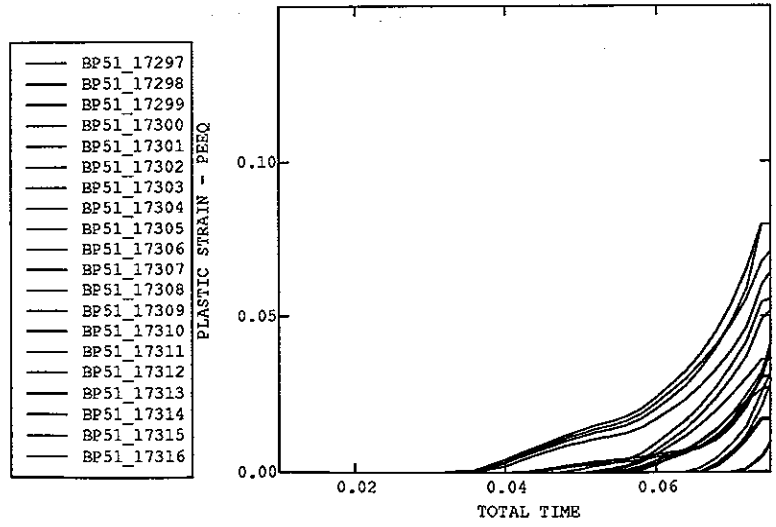

PLASTIC STRAIN - PEEQ
BP41_17097
BP41_17098
BP41_17099
BP41_17100
BP41_17101
BP41_17102
BP41_17103
BP41_17104
BP41_17105
BP41_17106
BP41_17107
BP41_17108
BP41_17109
BP41_17110
BP41_17111
BP41_17112
BP41_17113
BP41_17114
BP41_17115
BP41_17116
0.00
0.05
0.10
0.02
0.04
0.06
TOTAL TIME

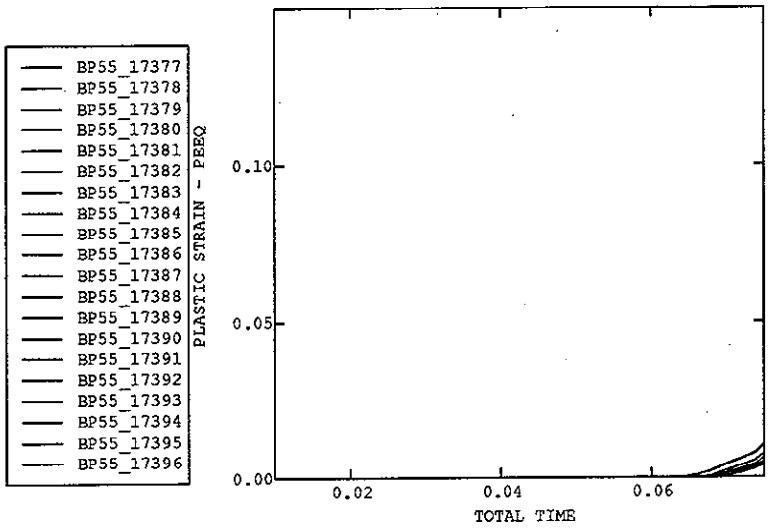

PLASTIC STRAIN - PEEQ
BP43_17137
BP43_17138
BP43_17139
BP43_17140
BP43_17141
BP43_17142
BP43_17143
BP43_17144
BP43_17145
BP43_17146
BP43_17147
BP43_17148
BP43_17149
BP43_17150
BP43_17151
BP43_17152
BP43_17153
BP43_17154
BP43_17155
BP43_17156
0.00
0.05
0.10
0.02
0.04
0.06
TOTAL TIME

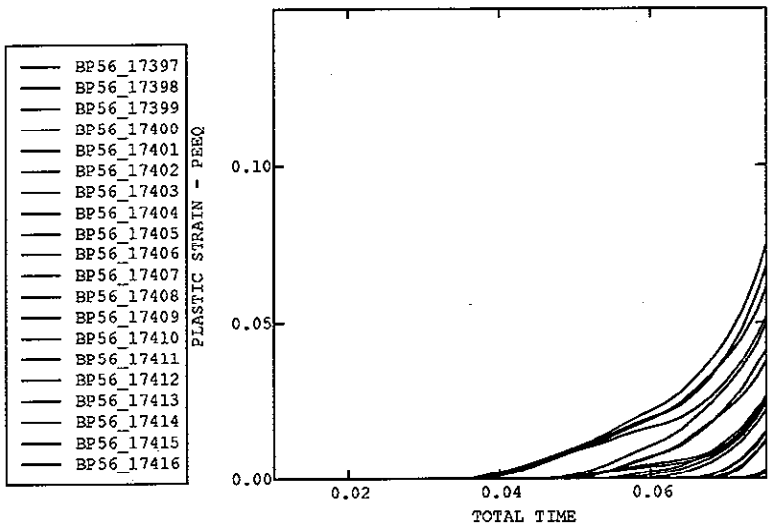

BP48_17237
BP48_17238
BP48_17239
BP48_17240
BP48_17241
BP48_17242
BP48_17243
BP48_17244
BP48_17245
BP48_17246
BP48_17247
BP48_17248
BP48_17249
BP48_17250
BP48_17251
BP48_17252
BP48_17253
BP48_17254
BP48_17255
BP48_17256
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

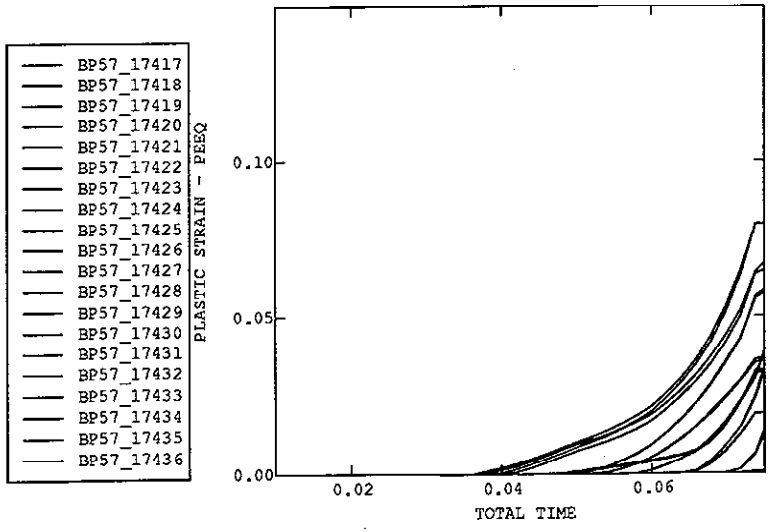

BP49_17257
BP49_17258
BP49_17259
BP49_17260
BP49_17261
BP49_17262
BP49_17263
BP49_17264
BP49_17265
BP49_17266
BP49_17267
BP49_17268
BP49_17269
BP49_17270
BP49_17271
BP49_17272
BP49_17273
BP49_17274
BP49_17275
BP49_17276
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

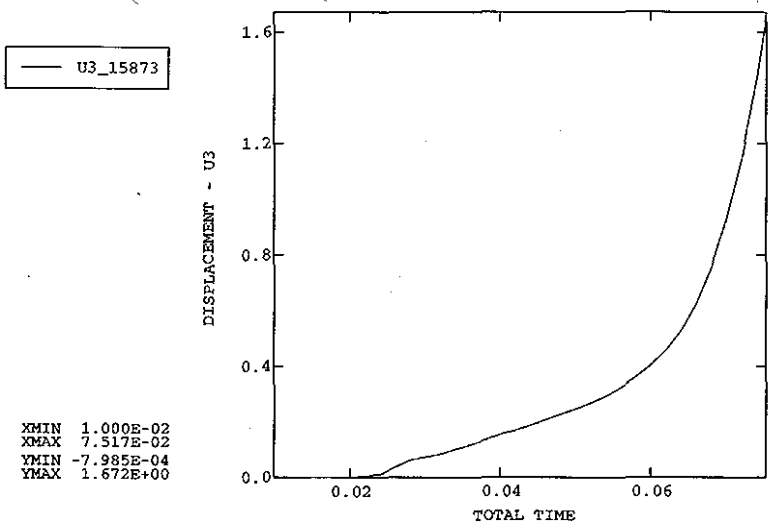

BP50_17277
BP50_17278
BP50_17279
BP50_17280
BP50_17281
BP50_17282
BP50_17283
BP50_17284
BP50_17285
BP50_17286
BP50_17287
BP50_17288
BP50_17289
BP50_17290
BP50_17291
BP50_17292
BP50_17293
BP50_17294
BP50_17295
BP50_17296
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

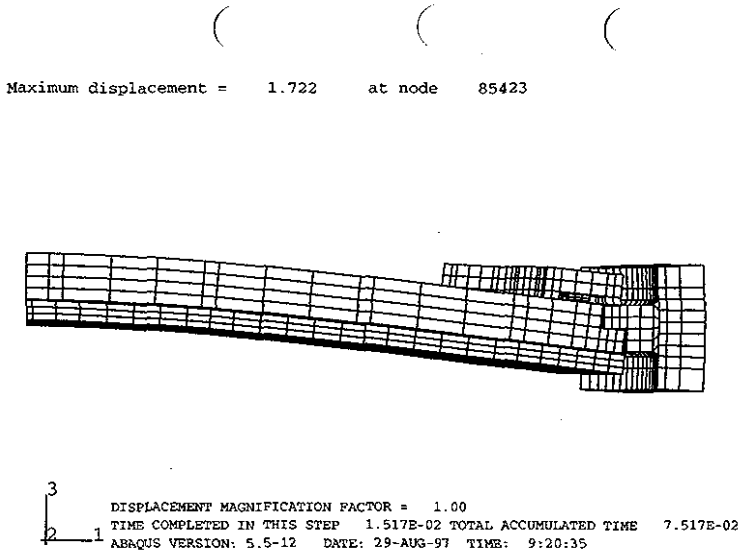

BP51_17297
BP51_17298
BP51_17299
BP51_17300
BP51_17301
BP51_17302
BP51_17303
BP51_17304
BP51_17305
BP51_17306
BP51_17307
BP51_17308
BP51_17309
BP51_17310
BP51_17311
BP51_17312
BP51_17313
BP51_17314
BP51_17315
BP51_17316
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

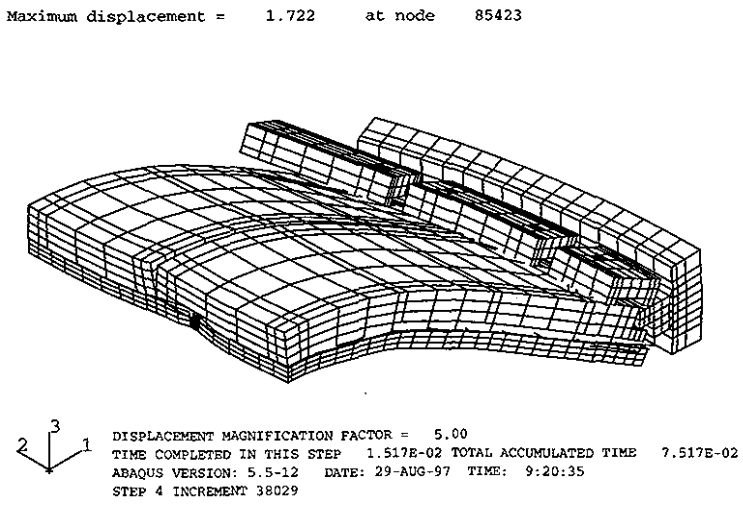

BP55_17377
BP55_17378
BP55_17379
BP55_17380
BP55_17381
BP55_17382
BP55_17383
BP55_17384
BP55_17385
BP55_17386
BP55_17387
BP55_17388
BP55_17389
BP55_17390
BP55_17391
BP55_17392
BP55_17393
BP55_17394
BP55_17395
BP55_17396
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

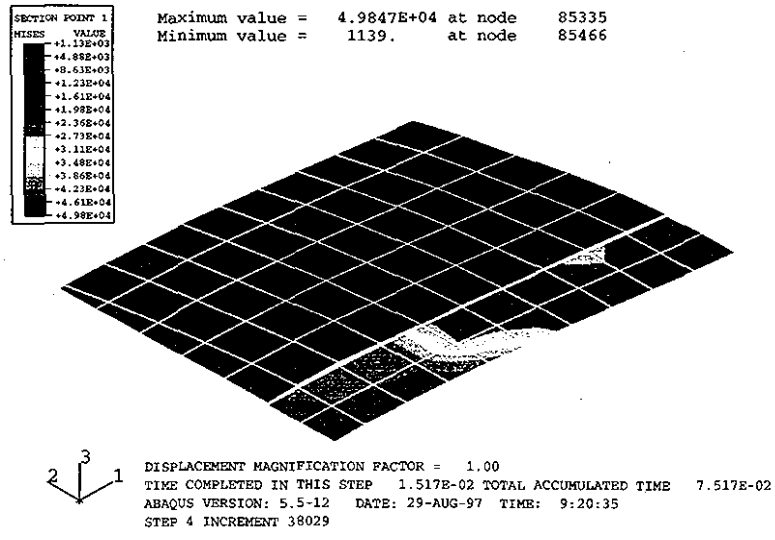

BP56_17397
BP56_17398
BP56_17399
BP56_17400
BP56_17401
BP56_17402
BP56_17403
BP56_17404
BP56_17405
BP56_17406
BP56_17407
BP56_17408
BP56_17409
BP56_17410
BP56_17411
BP56_17412
BP56_17413
BP56_17414
BP56_17415
BP56_17416
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME


BP57_17417
BP57_17418
BP57_17419
BP57_17420
BP57_17421
BP57_17422
BP57_17423
BP57_17424
BP57_17425
BP57_17426
BP57_17427
BP57_17428
BP57_17429
BP57_17430
BP57_17431
BP57_17432
BP57_17433
BP57_17434
BP57_17435
BP57_17436
PLASTIC STRAIN - PEEQ
0.10
0.05
0.00
0.02
0.04
0.06
TOTAL TIME

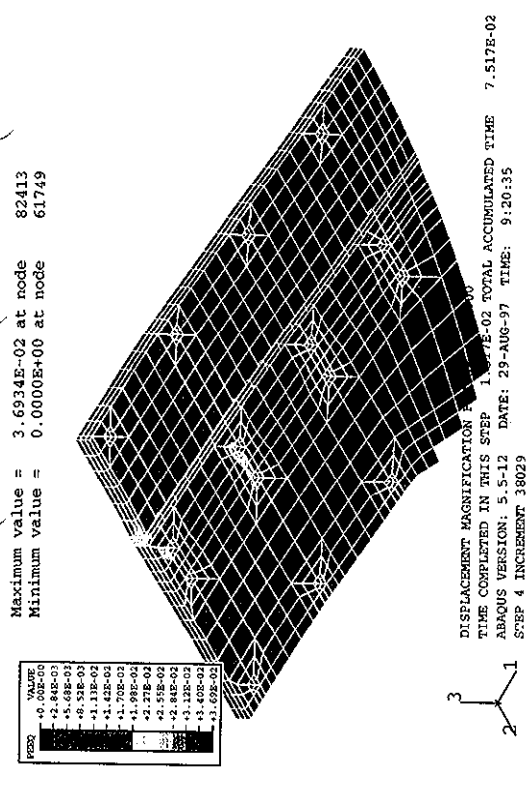


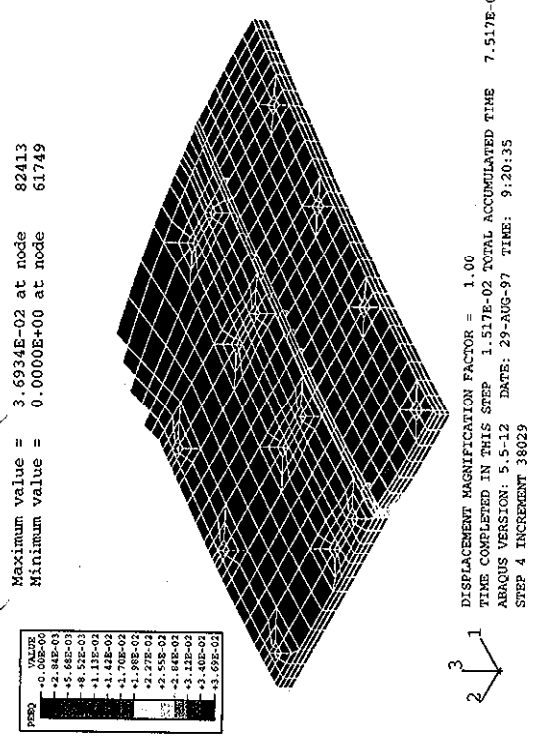


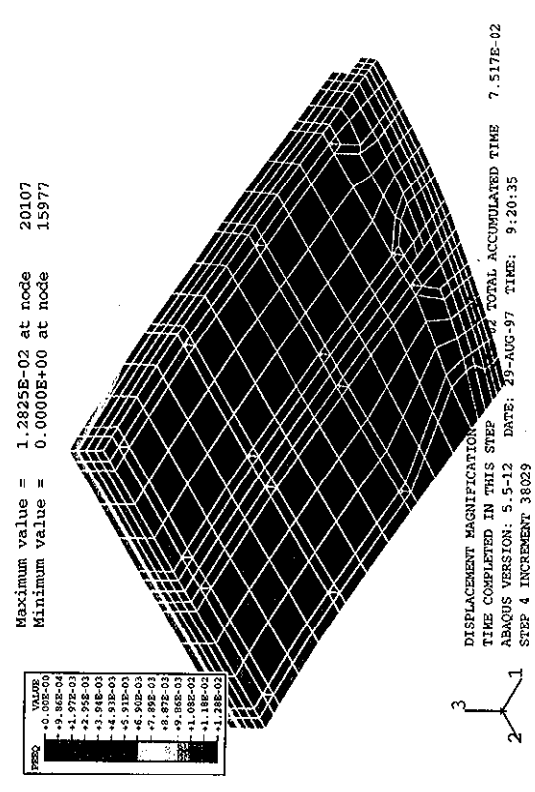


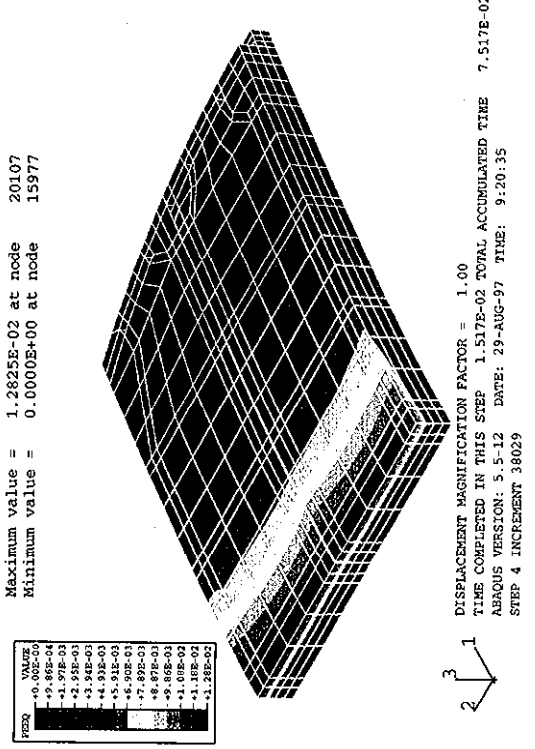


Item N-16 : Figure: Model Displacement and Sealing Skin Mises Contour Plots

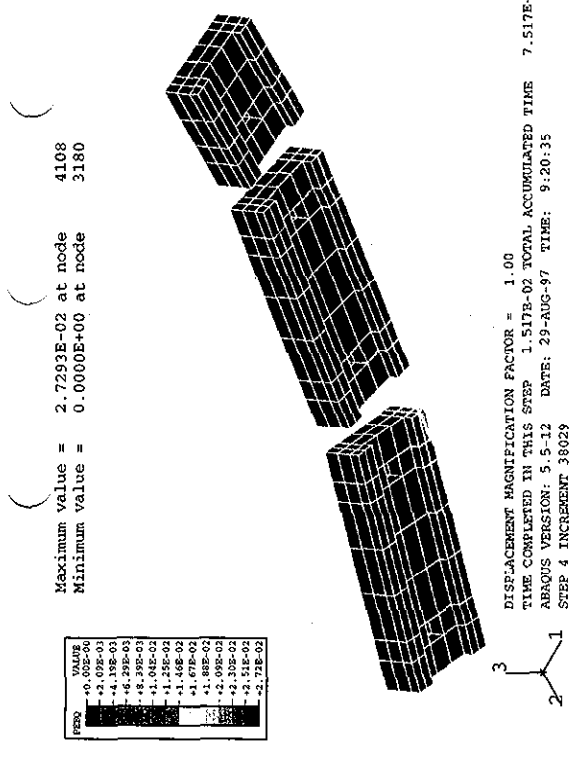


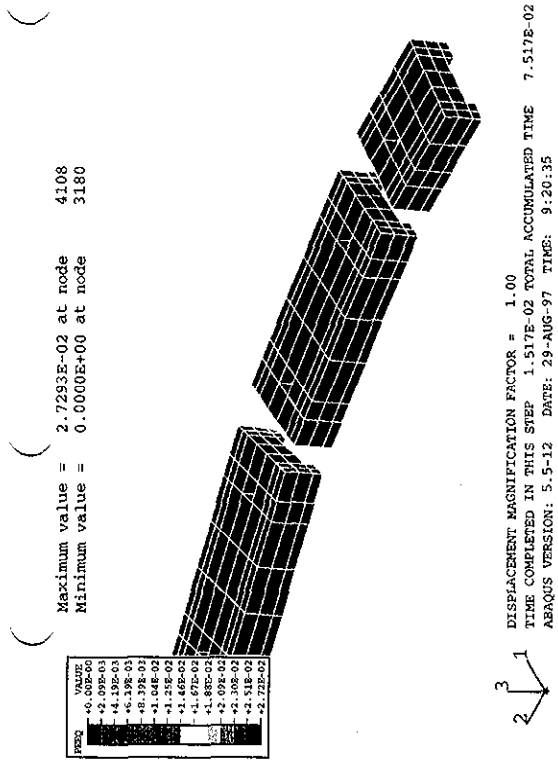


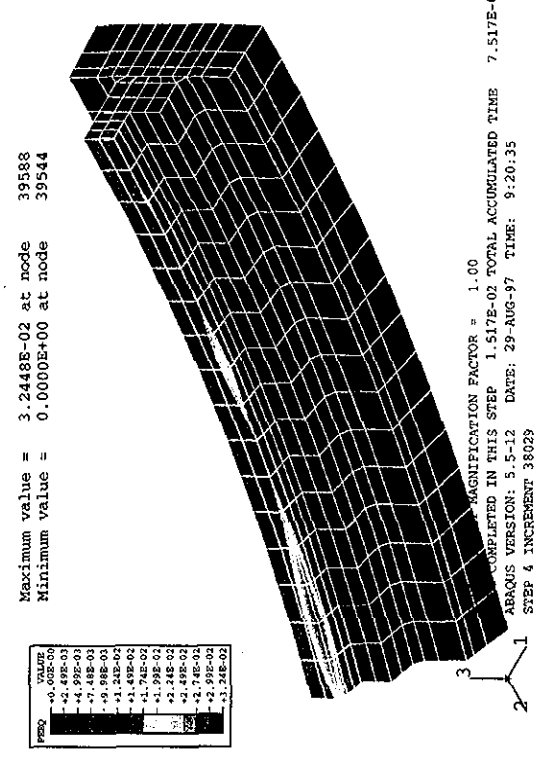


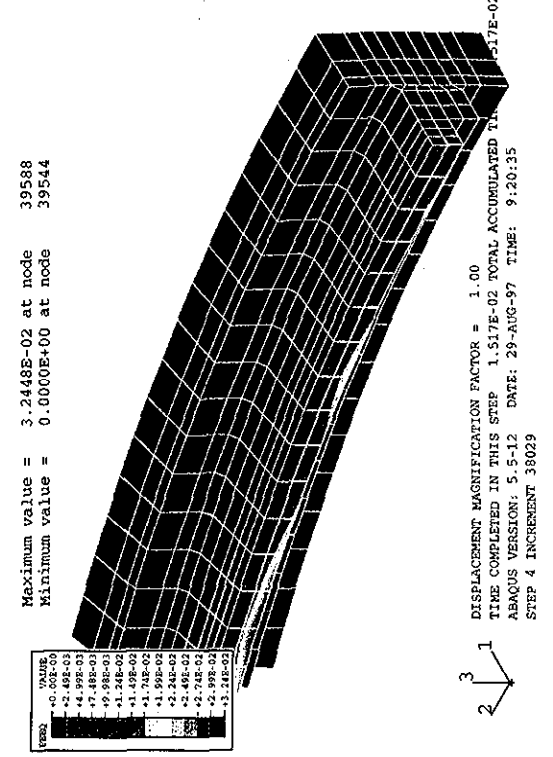


Item N-17 : Figure: Clamp Plate and Divider Plate Plastic Strain Contour Plots

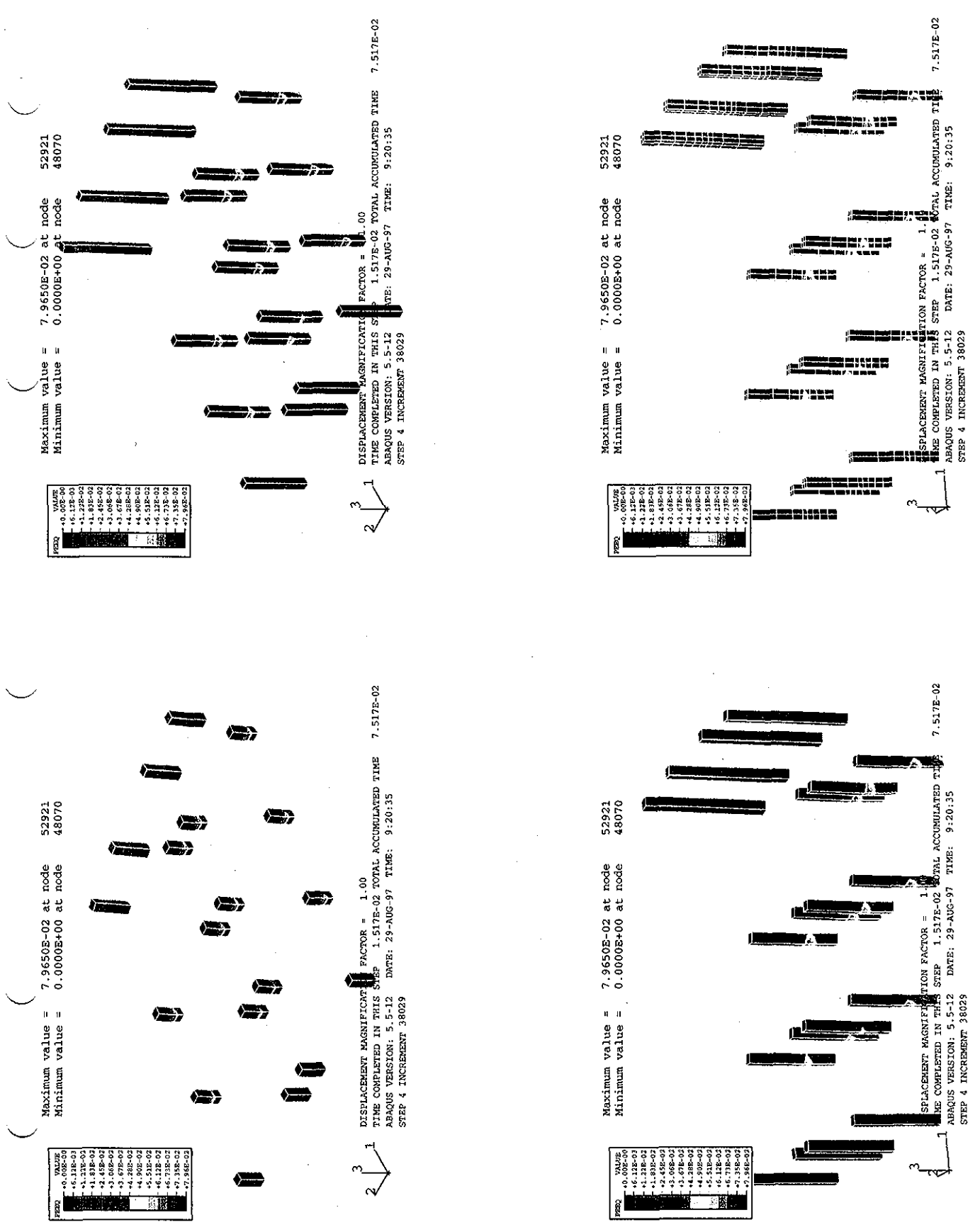








Item N-18 : Figure: Clamp Dogs and Seat Bar Plastic Strain Contour Plots



Item N-19 : Figure:: Bolt Plastic Strain Contour Plots