



GEORGIA INSTITUTE OF TECHNOLOGY  
OFFICE OF CONTRACT ADMINISTRATION

NOTICE OF PROJECT CLOSEOUT

Closeout Notice Date 05/06/92

Project No. E-18-676\_\_\_\_\_

Center No. 10/24-6-R7372-0A0\_

Project Director SAXENA A\_\_\_\_\_

School/Lab MAT ENGR\_\_\_\_\_

Sponsor TMC INCORPORATED/HUNTSVILLE, AL\_\_\_\_\_

Contract/Grant No. AGREEMENT DATED 11/22/91\_\_\_\_\_ Contract Entity GTRC

Prime Contract No. \_\_\_\_\_

Title FATIGUE CRACK GROWTH BEHAVIOR OF 2024-T3 & 7075-T6 BARE & ALCLAD PANELS\_\_

Effective Completion Date 920301 (Performance) 920301 (Reports)

Closeout Actions Required:	Y/N	Date Submitted
Final Invoice or Copy of Final Invoice	Y	_____
Final Report of Inventions and/or Subcontracts	N	_____
Government Property Inventory & Related Certificate	N	_____
Classified Material Certificate	N	_____
Release and Assignment	N	_____
Other _____	N	_____
Comments_____		

Subproject Under Main Project No. \_\_\_\_\_

Continues Project No. \_\_\_\_\_

Distribution Required:

Project Director	Y
Administrative Network Representative	Y
GTRI Accounting/Grants and Contracts	Y
Procurement/Supply Services	Y
Research Property Management	Y
Research Security Services	N
Reports Coordinator (OCA)	Y
GTRC	Y
Project File	Y
Other _____	N
_____	N

April 7, 1992

Ms. Bharti Ujjani  
TMC  
210 Wynn Drive, N.W.  
Huntsville, AL 35805

Dear Ms. Ujjani:

Enclosed is the final set of results from the project on Fatigue Crack Growth Behavior of Aluminum Panels. The tested specimens are being shipped to you in a separate box.

This concludes all the work on this project. It has been a pleasure working with you and TMC. If a similar need arises in the future, I hope that we can again work together. Please call me if you have any questions.

Sincerely yours

Ashok Saxena  
Professor

/lmw

Enclosure

Spec. FCGR 7075-C-2-CP-1  
 Max Load 960#  
 Min Load 96#  
 R ratio 0.1  
 Width 4.003  
 Mach. notch 0.398  
 Thickness 0.032

N	Delta a1	Delta a2	Delta K	da/dN	a (avg.)
0	0.04	0.045			0.043
2870	0.05	0.06	6.01	5.226E-06	0.055
7510	0.071	0.08	6.21	4.310E-06	0.076
12470	0.098	0.105	6.49	5.040E-06	0.102
14800	0.112	0.12	6.73	6.438E-06	0.116
18500	0.132	0.14	6.93	5.405E-06	0.136
21040	0.151	0.16	7.15	7.874E-06	0.156
23870	0.173	0.18	7.37	7.067E-06	0.177
26450	0.192	0.2	7.59	7.752E-06	0.196
28880	0.213	0.22	7.81	8.230E-06	0.217
31200	0.233	0.24	8.02	8.621E-06	0.237
33220	0.253	0.26	8.23	9.901E-06	0.257
34970	0.27	0.28	8.43	1.143E-05	0.275
36760	0.288	0.3	8.63	1.117E-05	0.294
38580	0.309	0.32	8.83	1.099E-05	0.315
40410	0.33	0.34	9.04	1.093E-05	0.335
41890	0.35	0.36	9.24	1.351E-05	0.355
43500	0.368	0.38	9.44	1.242E-05	0.374
45200	0.393	0.4	9.65	1.176E-05	0.397
46540	0.412	0.42	9.86	1.493E-05	0.416
48060	0.435	0.44	10.07	1.316E-05	0.438
49250	0.453	0.46	10.28	1.681E-05	0.457
50380	0.47	0.48	10.47	1.770E-05	0.475
51560	0.492	0.5	10.67	1.695E-05	0.496
52750	0.512	0.52	10.88	1.681E-05	0.516
53810	0.53	0.54	11.09	1.887E-05	0.535
54850	0.549	0.56	11.29	1.923E-05	0.555
55920	0.569	0.58	11.50	1.869E-05	0.575
56910	0.588	0.6	11.71	2.020E-05	0.594
57910	0.609	0.62	11.92	2.000E-05	0.615
58790	0.621	0.64	12.12	2.273E-05	0.631
60000	0.651	0.66	12.35	1.653E-05	0.656
60650	0.667	0.68	12.59	3.077E-05	0.674
61530	0.685	0.7	12.80	2.273E-05	0.693
62300	0.705	0.72	13.02	2.597E-05	0.713
63180	0.725	0.74	13.25	2.273E-05	0.733
64020	0.748	0.76	13.50	2.381E-05	0.754
64750	0.767	0.78	13.75	2.740E-05	0.774
65510	0.783	0.8	13.98	2.632E-05	0.792
66150	0.8	0.82	14.21	3.125E-05	0.810
66800	0.821	0.84	14.46	3.077E-05	0.831
67440	0.845	0.86	14.74	3.125E-05	0.853
68110	0.863	0.88	15.01	2.985E-05	0.872
68660	0.88	0.9	15.27	3.636E-05	0.890
69290	0.9	0.92	15.54	3.175E-05	0.910
69900	0.923	0.94	15.84	3.279E-05	0.932
70410	0.943	0.96	16.14	3.922E-05	0.952