

25 METER MILLIMETER WAVE TELESCOPE

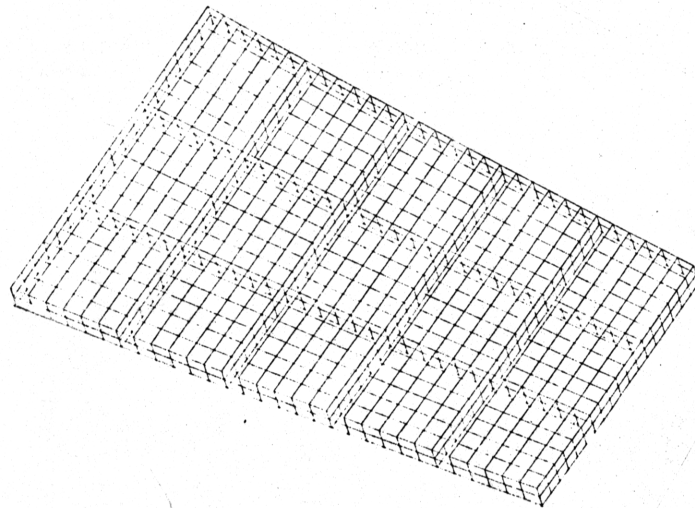
MEMO No. 131

25<sup>M</sup> SURFACE PLATE ANALYSIS

(GRAV. & THERMAL LOADINGS)

FOR

AERONUTRONIC-FORD DESIGN



L. J. KING

FEB. 4, 1980

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\* Available From Engineering Upon Request.

## 1.0 INTRODUCTION

WE HAVE CONVINCED BY MEASUREMENTS THAT THE AF-01 PLATE CAN MEET THE MANUFACTURING SURFACE ACCURACY NEEDED FOR 25<sup>M</sup> TELESCOPE, REF 25<sup>M</sup> MEMO. #129 (12-10-79).

OTHER BEHAVIORS OF THE PLATE HAVE NOT YET BEEN VERIFIED.

THE FINISHED PLATE WEIGHTED 56 KG IS 2.24 TIMES THE DESIGN WEIGHT OF 25 KG OR 20  $\text{kg/m}^2$ . MEASUREMENTS OF THE PLATE FOR GRAVITATIONAL OR THERMAL CONDITIONS MAY NOT BE QUOTED DIRECTLY FOR THE BEHAVIOR OF THE DESIGN PLATE.

AERONUTRONIC-FOLD'S CALC. (5-11-76) IS THEN THE ONLY SOURCE SHOWED THE PLATE PERFORMANCES.

A QUESTION MAY BE RAISED. "HOW RELIABLE ARE THE RESULTS BASED ON STR. MODELS OF SIMPLE BEAM & SOLID PLATE FOR THIS DESIGN?"

SMITH & RALSTON HAVE MEASURED THE SURFACE DEFLECTIONS OF THE FINISHED PLATE FOR CONC. & DISTRIBUTED LOADS ON 1-7-80, REF P.14 & P.15.

WE SHALL, IN THIS REPORT, UTILIZE SOME OF THESE EXPERIMENTAL RESULTS TO PREDICT THE PERFORMANCES OF THE DESIGN PLATE FOR GRAVITATIONAL & THERMAL CONDITIONS.

## 2.0 THE AF-01 PLATE

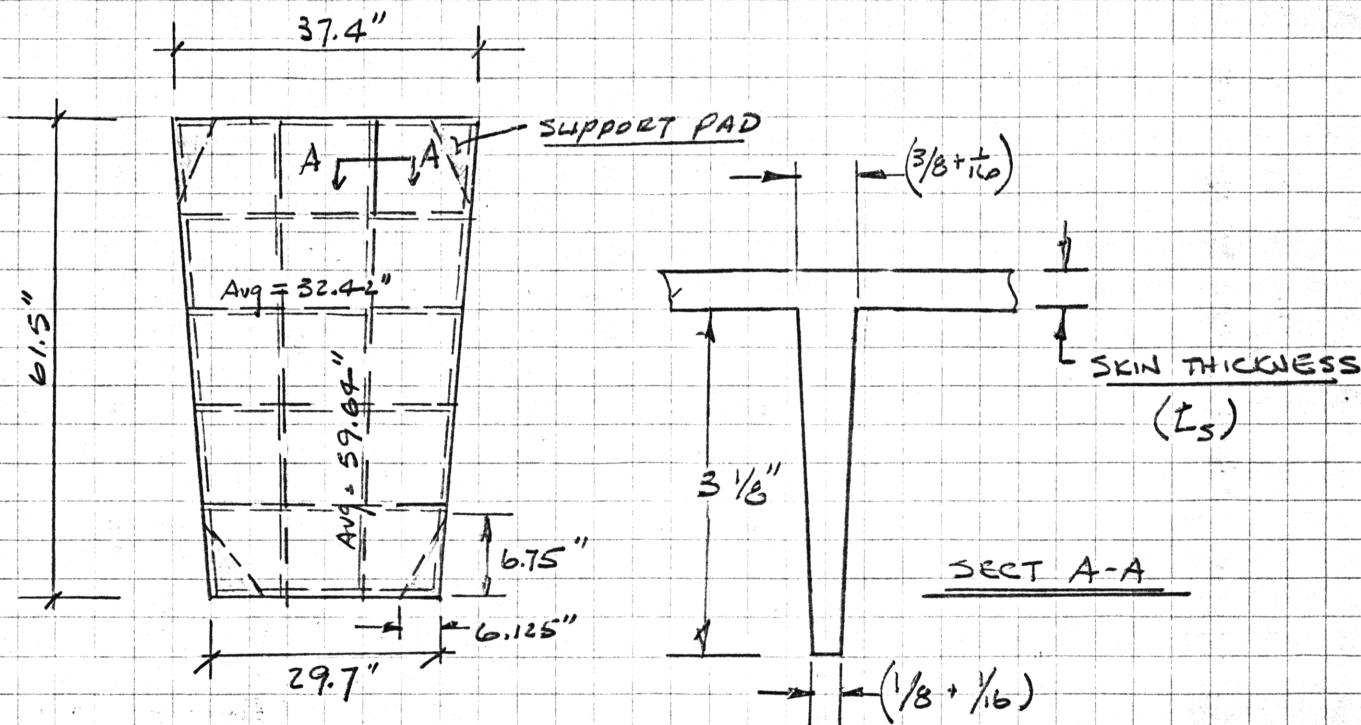
FIG. 1 SHOWS THE DIMENSIONS OF THE FINISHED PLATE.

THE SKIN THICKNESS IS DIFFICULT TO BE MEASURED, AND MAY VARY FROM PLACE TO PLACE. AN AVERAGE THICKNESS IS CALCULATED BASED ON WEIGHT OF  $123 \frac{1}{4} \#$  (56 kg) AND OTHER DIMENSIONS.

CALC. IS GIVEN ON THE NEXT PAGE.

SKIN THICKNESS OF THE AF-01 FINISHED PLATE

WEIGHT AND DIMENSION FROM S. SMITH  
 JAN. 10, 1980,  $t_s$  IS CALC. AS FOLLOWS,

FIG 1RIBS

$$W_R = .097 \times \frac{1}{2} (.4375 + .1875) \times 3.125 (6 \times 32.42 + 4 \times 59.64)$$

$$= 41.02 \#$$

4 SUPPORT PADS

$$W_S = 4 \times .097 \times \left[ (6.75 \times 6.125 \times \frac{1}{2}) 3.75 - (6.125 + 6.75) \times .3125 \times 3.125 \right]$$

$$= 25.20 \#$$

$$\underline{\underline{SKIN WT}} = 123.25 - 41.02 - 25.20 = 57.03 \#$$

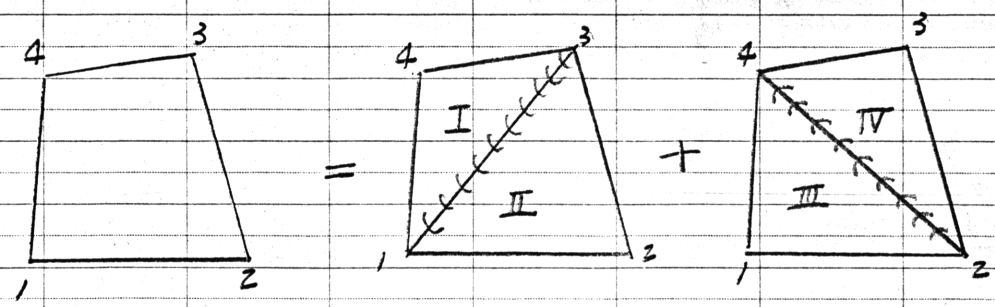
$$\underline{\underline{CALC. t_s}} = \frac{57.03}{.097(29.7 + 37.4) \frac{61.5}{2}} = \underline{\underline{0.284''}}$$

3.0 THE COMPUTER MODEL FOR UNIFORMLY DISTRIBUTED LOADS "PLATE 2"

THE COMPUTER MODEL SHOWN IN FIG. 2 BASED ON THE DIMENSION GIVEN IN FIG. 1 ON P.5.

THE MODEL OF  $\frac{1}{2}$  OF THE PLATE HAS 530 JOINTS, 270 SURFACE ELEMENTS 228 RIB ELEMENTS

WITH PROPER BOUNDARY CONSTRAINTS IT REPRESENTS THE ENTIRE PLATE. EACH OF THE ELEMENTS IS CONSISTED OF TWO PAIRS OF TRIANGULAR ELEMENTS WITH BOTH IN-PLANE AND BENDING STIFFNESSES



THE CORNER SUPPORT PADS ARE NOT CONSIDERED IN THE COMPUTER MODEL.

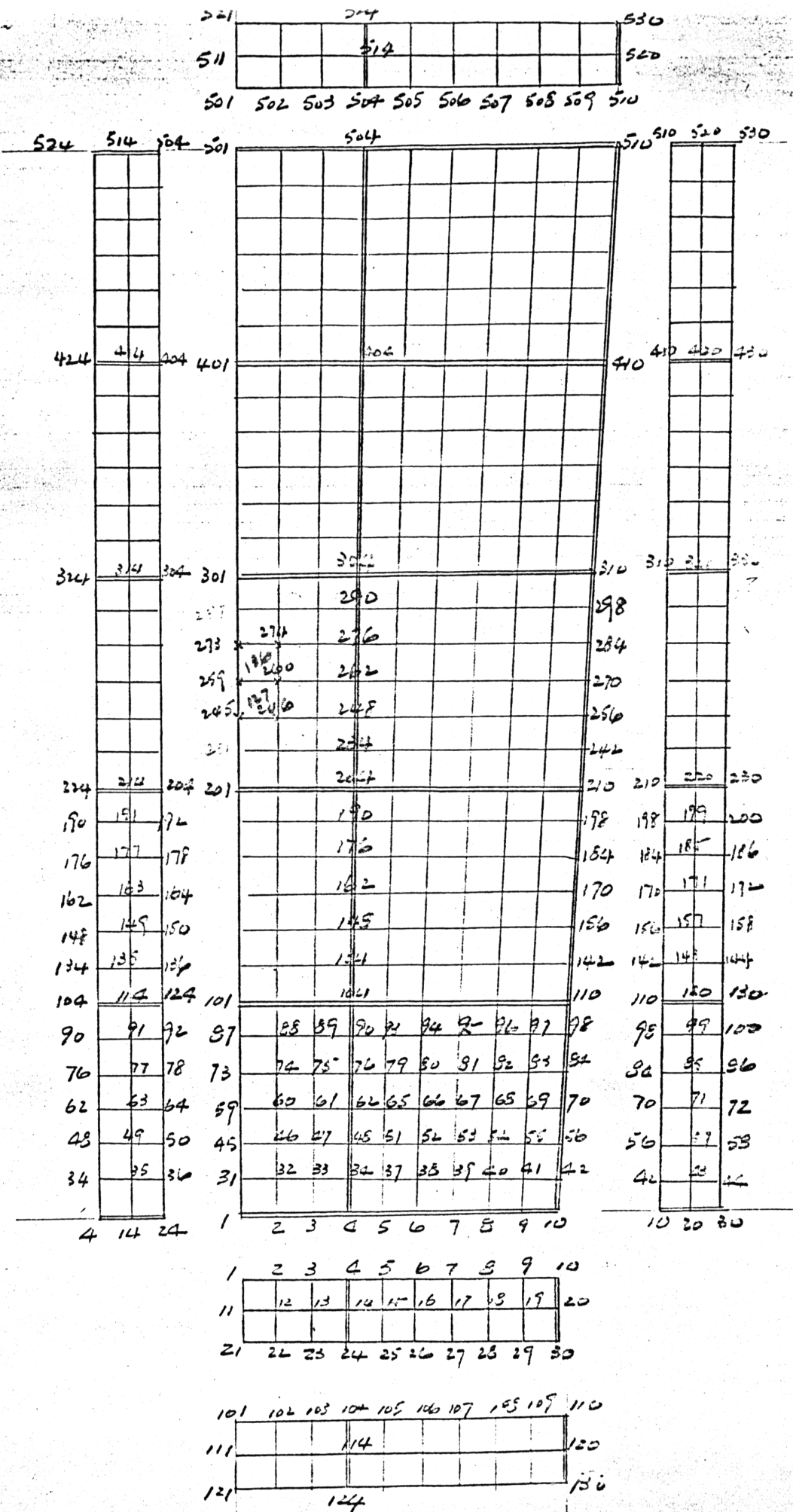


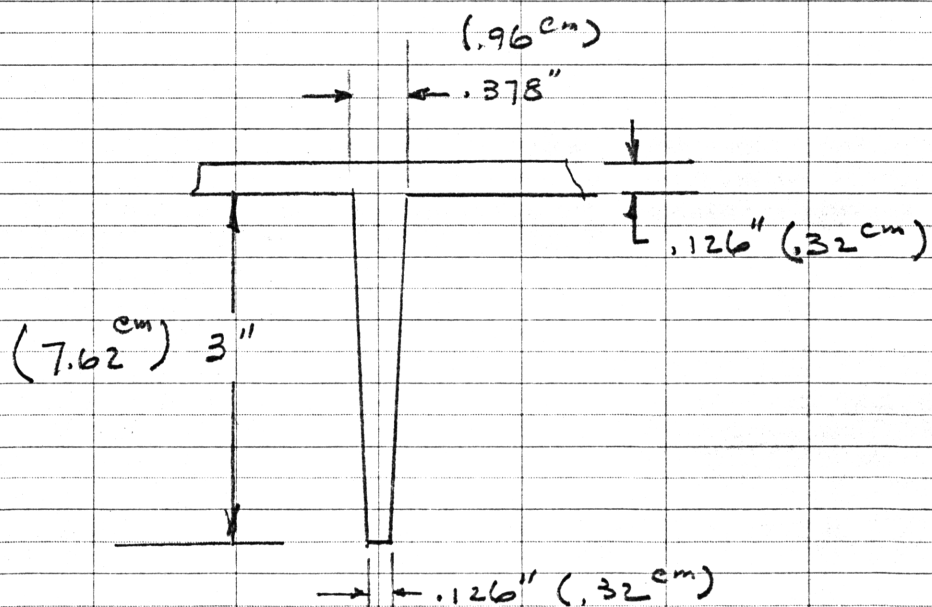
FIG. 2. STR. MODEL PLATE 2 FOR UNIF LOADS.



#### 4.0 THE DESIGN PLATE

THE CLOSE AGREEMENTS BETWEEN THE CALC. & THE EXPERIMENTAL RESULTS INDICATE THAT THE "PLATE 2" IS A GOOD STRUC. MODEL FOR THE FINISHED PLATE. THE DESIGN PLATE MAY BE ASSEMBLED IN THE COMPUTER BY SIMPLY REDUCING THE THICKNESSES OF THE SKIN & RIBS (REF P. 3 AF FINAL REPORT 10-14-76).

THE SECTION THRU THE DESIGN PLATE IS



CALCULATED AND EXPERIMENTAL RESULTS ARE  
TABULATED AS FOLLOWS

	CALCULATED	MEASURED
WEIGHT OF PLATE	92.64 #	123 1/4 #
LOADING	3.994 x (GRAV. LD) = 370 #	370 # DIST. LOAD REF. FIG. 4.
MAX DEFL (W <sub>MAX</sub> )	.260 mm	.259 mm
RMS (W)	.193 mm	.167 mm

WE HAVE EXCELLENT AGREEMENT @ THE MAX. DEFLS.

AS FOR THE RMS(W), WE WOULD EXPECT A

SMALLER VALUE FROM MEASUREMENTS DUE

TO 10 OF THE CLOSE-TO-CENTER PTS ARE

BLOCKED BY APPLIED WEIGHTS (REF P. 15)

## 5.0 RESULTS & DISCUSSIONS

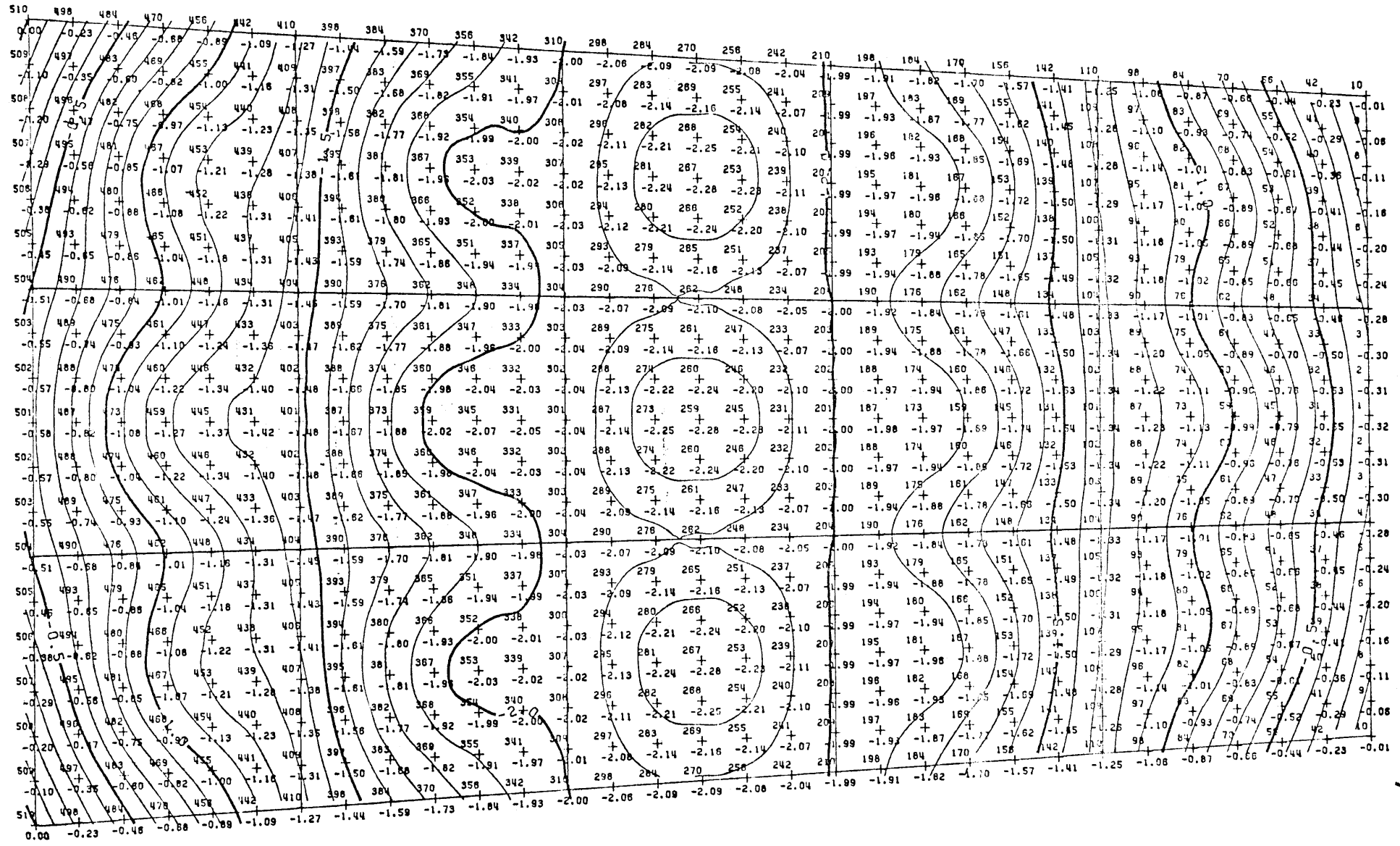
RESULTS FOR THE DESIGN PLATE ARE

	MODEL "PLATE 2"	AF CALC (5-11-76)	SPEC.
WEIGHT	25 Kg 20.1 Kg/m <sup>2</sup>	25 Kg 20.1 Kg/m <sup>2</sup>	20 Kg/m <sup>2</sup>
GRAV. LOAD			
RMS (W- $\bar{W}$ )	.010 mm	.019 mm	.025 mm
MAX W.	.058 mm	.071 mm	—
THERMAL LOAD $\Delta T = 10^{\circ}C$			
RMS(W)	.018 mm	.069 mm	.080 mm
MAX W	.025 mm	.102 mm	—

CONTOUR PLOTS OF DEFLECTIONS (W) ARE

GIVEN ON THE FOLLOWING TWO PAGES.

25M AF PLT2 ---- D.L. ONLY  
 RMS(W) = .0016 IN. (.041 MM)  
 RMS(W-WAVG) = .0006 IN (.016 MM)  
 --- CONTOUR AT .00005 IN ---

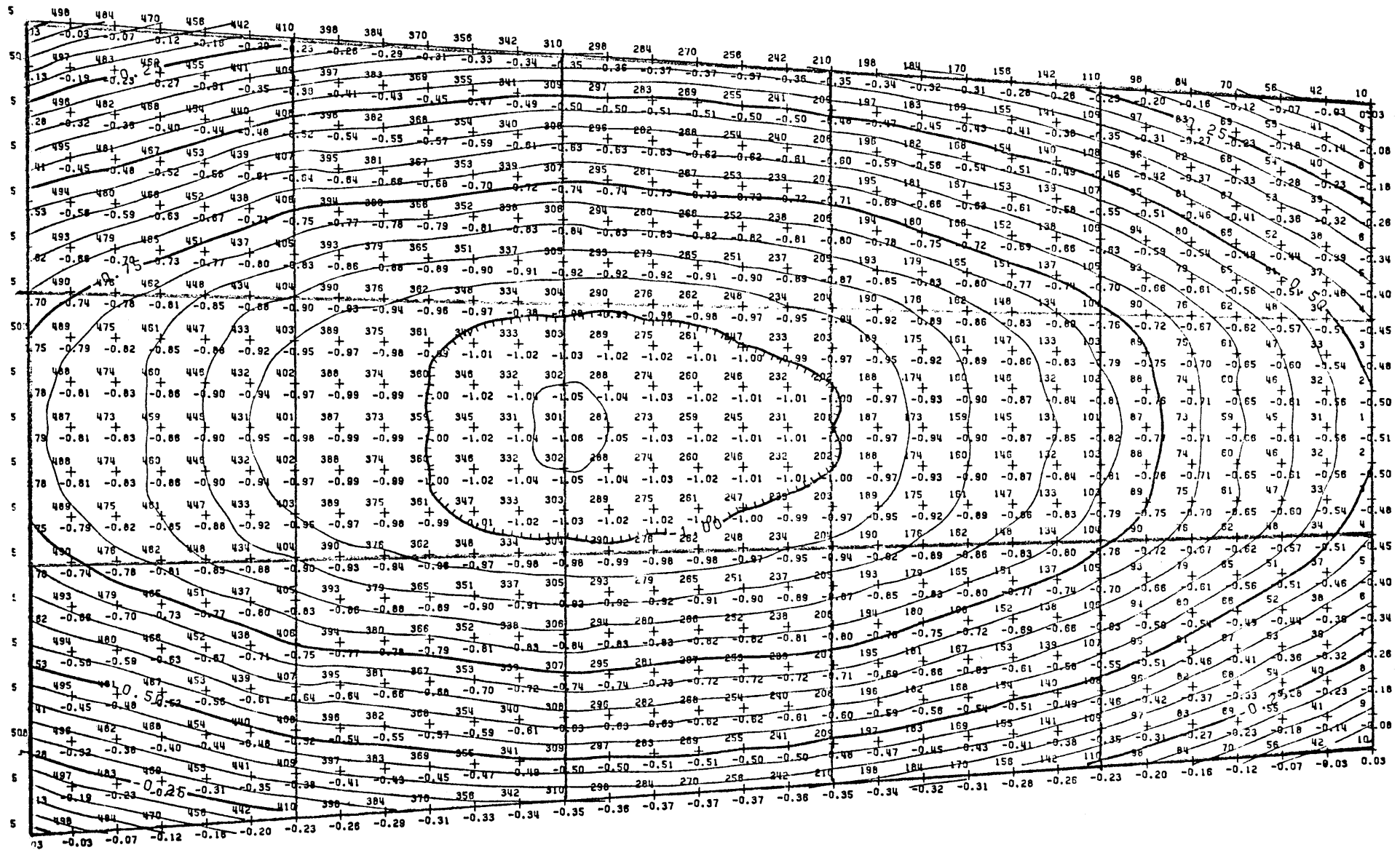


P.11/61

# 25M AF PLT2 ---- TEMPLD 1 C

RMS (W) = .0007 IN. (.018 MM)

--- CONTOUR AT .00005 IN ---



P.12/61

DISCUSSION

(1) THE CONTOUR OF THE GRAVITATIONAL DEFLS SHOWS THAT THE PATTERN MAY WELL BE REPRESENTED BY A SINGLE SINE CURVE. AF'S CALC. BASED ON SIMPLE BEAMS IS THEREFORE EXPECTED TO GIVE GOOD RESULTS.

(2) THE LARGE DIFFERENCES AT THERMAL LOADS ARE DUE TO SOME ERRORS IN AF'S MODEL:

(a) THE PLATE WITH SIDE RATIO OF 1:2 WAS CONSIDERED SQUARE PLATE.

(b) THE RIB-STIFF PLATE WAS TAKEN AS 7.62 CM SOLID PLATE

THE "PLATE" MODEL VERIFIED AT GRAVITATION LOAD CONDITION, SHOULD RENDER RELIABLE RESULTS FOR DISTRIBUTED THERMAL LOAD CONDITION.

APPENDIX A

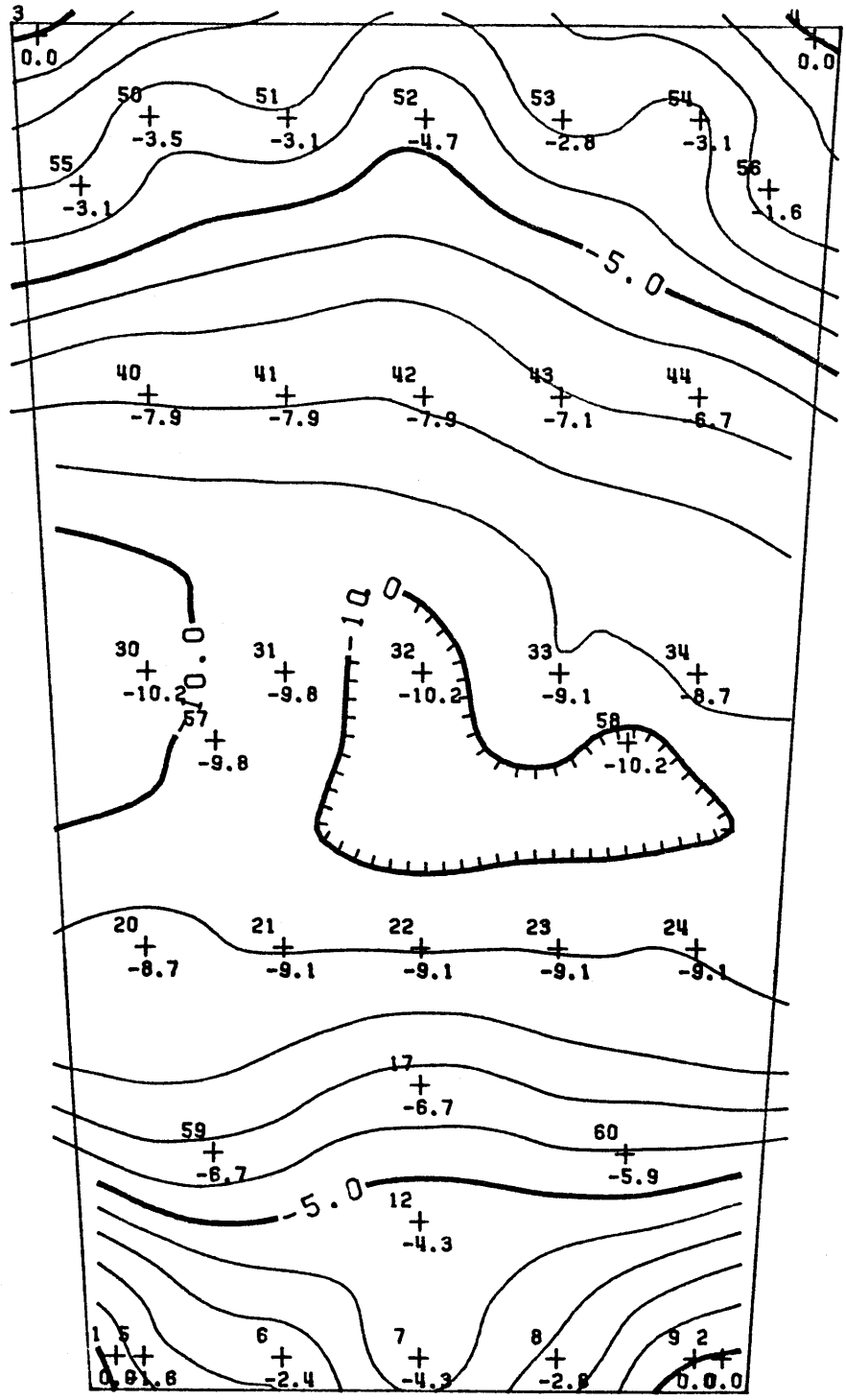
EXPERIMENTAL RESULTS: CONTOUR & LOADING

P.14/61

25M SURF PLT AF-01

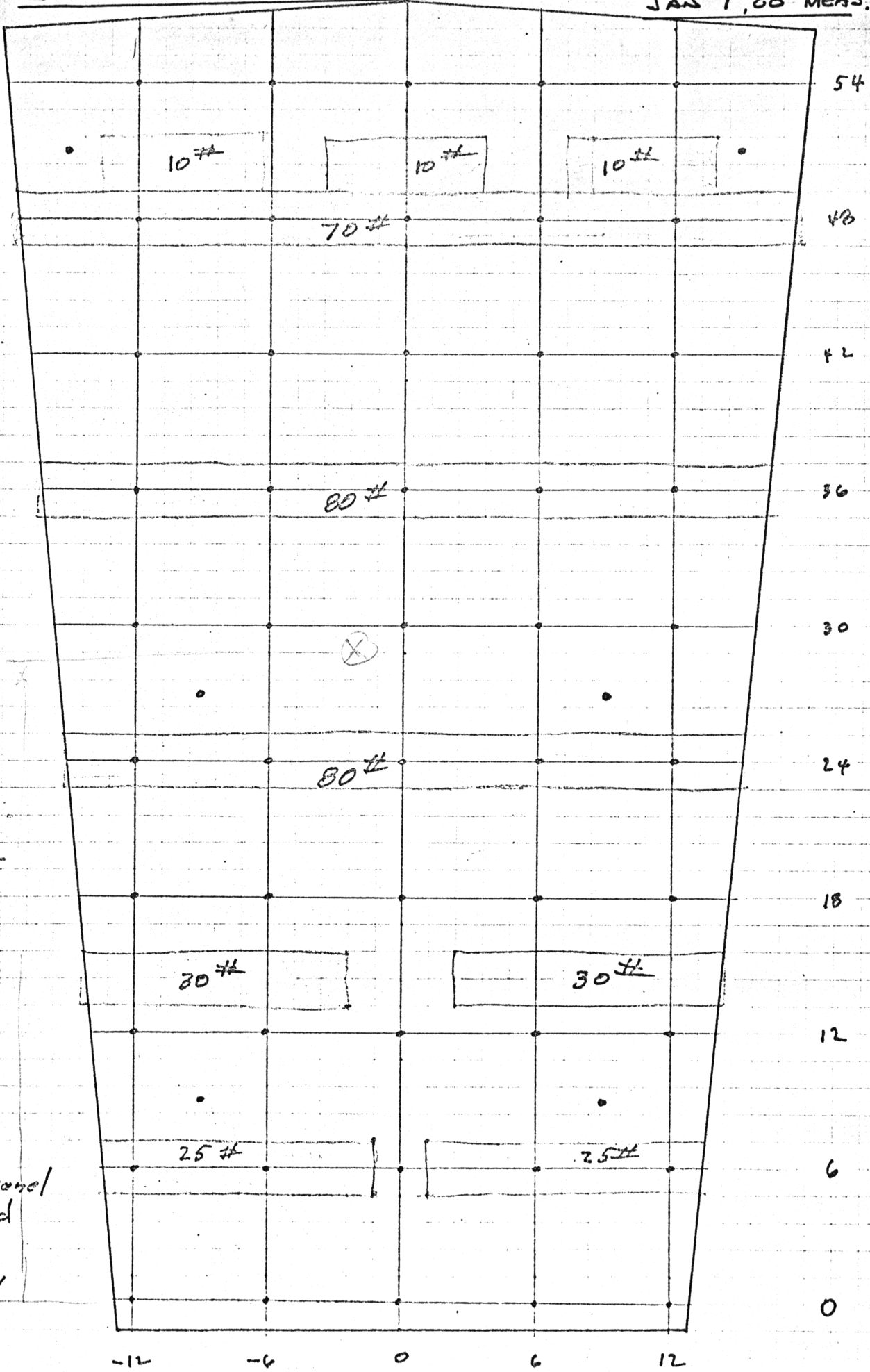
(JAN.7, 1980 DATA .001" CNTOUR)

(3) - (4) 370# DISTRIBUTED LOAD  
RMS = .0066 IN. (.167 MM)



DISTRIBUTED LOADING DIAG. FROM J. SMITH P.15/61  
 JAN 7, 80 MEAS.

3



5x1  
 6x2.5  
 8x4  
 80x6  
 100x8  


---

 $\bar{x} = 4.26$

25 MM panel  
 on grid  
 Uniformly  
 Distributed  
 load.



CASE CONTROL DECK ECHO

CARD COUNT		
1	TITLE # 25M SURFACE PLATE AF-01 ---- 7.62 CM PLATE	00160000
2	SUBTITLE # RECTANGLE FINITE ELEMENTS USED FOR BOTH SURF & RIBS	00170000
3	ECHO # BOTH	00180000
4	MAXLINES # 50000	00190000
5	SPC # 1	00200000
6	OUTPUT	00210000
7	SUBCASE 1	00220000
8	LABEL # GRAVITY IN -Y DIRECTION	00230000
9	LOAD # 100	00240000
10	DISP # ALL	00250000
11	SUBCASE 2	00260000
12	LABEL # 115 KG CONC. LOAD AT CENTER I -Y DIR	00270000
13	LOAD # 3	00280000
14	DISP # ALL	00290000
15	SUBCASE 3	00300000
16	LABEL # TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<	00310000
17	TEMPERATURE%LOAD< # 1	00320000
18	DISP # ALL	00330000
19	SPCFORCE # ALL	00340000
20	QLOAD # ALL	00350000
21	ELFORCE # ALL	00360000
22	STRESS # ALL	00370000
23	REPCASE 4	00380000
24	DISP %PUNCH< # ALL	00390000
25	BEGIN BUCK	00400000

"PLATE 2" INPUT LISTING

APPENDIX B

R16/61

S O R T E D B U L K D A T A E C H O

CARD COUNT	1	2	3	4	5	6	7	8	9	10
1-	CQUAD2	1	100	1	2	32	31			00010000
2-	CQUAD2	2	100	2	3	33	32			00020000
3-	CQUAD2	3	100	3	4	34	33			00030000
4-	CQUAD2	4	100	4	5	37	34			00040000
5-	CQUAD2	5	100	5	6	38	37			00050000
6-	CQUAD2	6	100	6	7	39	38			00060000
7-	CQUAD2	7	100	7	8	40	39			00070000
8-	CQUAD2	8	100	8	9	41	40			00080000
9-	CQUAD2	9	100	9	10	42	41			00090000
10-	CQUAD2	10	100	31	32	46	45			00100000
11-	CQUAD2	11	100	32	33	47	46			00110000
12-	CQUAD2	12	100	33	34	48	47			00120000
13-	CQUAD2	13	100	34	37	51	48			00130000
14-	CQUAD2	14	100	37	38	52	51			00140000
15-	CQUAD2	15	100	38	39	53	52			00150000
16-	CQUAD2	16	100	39	40	54	53			00160000
17-	CQUAD2	17	100	40	41	55	54			00170000
18-	CQUAD2	18	100	41	42	56	55			00180000
19-	CQUAD2	19	100	45	46	60	59			00190000
20-	CQUAD2	20	100	46	47	61	60			00200000
21-	CQUAD2	21	100	47	48	62	61			00210000
22-	CQUAD2	22	100	48	51	65	62			00220000
23-	CQUAD2	23	100	51	52	66	65			00230000
24-	CQUAD2	24	100	52	53	67	66			00240000
25-	CQUAD2	25	100	53	54	68	67			00250000
26-	CQUAD2	26	100	54	55	69	68			00260000
27-	CQUAD2	27	100	55	56	70	69			00270000
28-	CQUAD2	28	100	59	60	74	73			00280000
29-	CQUAD2	29	100	60	61	75	74			00290000
30-	CQUAD2	30	100	61	62	76	75			00300000
31-	CQUAD2	31	100	62	65	79	76			00310000
32-	CQUAD2	32	100	65	66	80	79			00320000
33-	CQUAD2	33	100	66	67	81	80			00330000
34-	CQUAD2	34	100	67	68	82	81			00340000
35-	CQUAD2	35	100	68	69	83	82			00350000
36-	CQUAD2	36	100	69	70	84	83			00360000
37-	CQUAD2	37	100	73	74	88	87			00370000
38-	CQUAD2	38	100	74	75	89	88			00380000
39-	CQUAD2	39	100	75	76	90	89			00390000
40-	CQUAD2	40	100	76	79	93	90			00400000
41-	CQUAD2	41	100	79	80	94	93			00410000
42-	CQUAD2	42	100	80	81	95	94			00420000
43-	CQUAD2	43	100	81	82	96	95			00430000
44-	CQUAD2	44	100	82	83	97	96			00440000
45-	CQUAD2	45	100	83	84	98	97			00450000
46-	CQUAD2	46	100	87	88	102	101			00460000
47-	CQUAD2	47	100	88	89	103	102			00470000
48-	CQUAD2	48	100	89	90	104	103			00480000
49-	CQUAD2	49	100	90	93	105	104			00490000
50-	CQUAD2	50	100	93	94	106	105			00500000

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S O R T E D B U L K D A T A E C H O

CARD COUNT	1	2	3	4	5	6	7	8	9	10
51-	CQUAD2	51	100	94	95	107	106			00510000
52-	CQUAD2	52	100	95	96	108	107			00520000
53-	CQUAD2	53	100	96	97	109	108			00530000
54-	CQUAD2	54	100	97	98	110	109			00540000
55-	CQUAD2	55	100	101	102	132	131			00550000
56-	CQUAD2	56	100	102	103	133	132			00560000
57-	CQUAD2	57	100	103	104	134	133			00570000
58-	CQUAD2	58	100	104	105	137	134			00580000
59-	CQUAD2	59	100	105	106	138	137			00590000
60-	CQUAD2	60	100	106	107	139	138			00600000
61-	CQUAD2	61	100	107	108	140	139			00610000
62-	CQUAD2	62	100	108	109	141	140			00620000
63-	CQUAD2	63	100	109	110	142	141			00630000
64-	CQUAD2	64	100	131	132	146	145			00640000
65-	CQUAD2	65	100	132	133	147	146			00650000
66-	CQUAD2	66	100	133	134	148	147			00660000
67-	CQUAD2	67	100	134	137	151	148			00670000
68-	CQUAD2	68	100	137	138	152	151			00680000
69-	CQUAD2	69	100	138	139	153	152			00690000
70-	CQUAD2	70	100	139	140	154	153			00700000
71-	CQUAD2	71	100	140	141	155	154			00710000
72-	CQUAD2	72	100	141	142	156	155			00720000
73-	CQUAD2	73	100	145	146	160	159			00730000
74-	CQUAD2	74	100	146	147	151	160			00740000
75-	CQUAD2	75	100	147	148	162	161			00750000
76-	CQUAD2	76	100	148	151	165	162			00760000
77-	CQUAD2	77	100	151	152	156	165			00770000
78-	CQUAD2	78	100	152	153	167	166			00780000
79-	CQUAD2	79	100	153	154	168	167			00790000
80-	CQUAD2	80	100	154	155	169	168			00800000
81-	CQUAD2	81	100	155	156	170	169			00810000
82-	CQUAD2	82	100	159	160	174	173			00820000
83-	CQUAD2	83	100	160	161	175	174			00830000
84-	CQUAD2	84	100	161	162	176	175			00840000
85-	CQUAD2	85	100	162	165	179	176			00850000
86-	CQUAD2	86	100	165	166	180	179			00860000
87-	CQUAD2	87	100	166	167	181	180			00870000
88-	CQUAD2	88	100	167	168	182	181			00880000
89-	CQUAD2	89	100	168	169	183	182			00890000
90-	CQUAD2	90	100	169	170	184	183			00900000
91-	CQUAD2	91	100	173	174	188	187			00910000
92-	CQUAD2	92	100	174	175	189	188			00920000
93-	CQUAD2	93	100	175	176	190	189			00930000
94-	CQUAD2	94	100	176	179	193	190			00940000
95-	CQUAD2	95	100	179	180	194	193			00950000
96-	CQUAD2	96	100	180	181	195	194			00960000
97-	CQUAD2	97	100	181	182	196	195			00970000
98-	CQUAD2	98	100	182	183	197	196			00980000
99-	CQUAD2	99	100	183	184	198	197			00990000
100-	CQUAD2	100	100	187	188	202	201			01000000

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S O R T E D B U L K D A T A E C H O

CARD	1	2	3	4	5	6	7	8	9	10
COUNT	..	..	..	..	..	..	..	..	..	..
101-	CQUAD2	101	100	188	189	203	202			01010000
102-	CQUAD2	102	100	189	190	204	203			01020000
103-	CQUAD2	103	100	190	193	205	204			01030000
104-	CQUAD2	104	100	193	194	206	205			01040000
105-	CQUAD2	105	100	194	195	207	206			01050000
106-	CQUAD2	106	100	195	196	208	207			01060000
107-	CQUAD2	107	100	196	197	209	208			01070000
108-	CQUAD2	108	100	197	198	210	209			01080000
109-	CQUAD2	109	100	201	202	232	231			01090000
110-	CQUAD2	110	100	202	203	233	232			01100000
111-	CQUAD2	111	100	203	204	234	233			01110000
112-	CQUAD2	112	100	204	205	237	234			01120000
113-	CQUAD2	113	100	205	206	238	237			01130000
114-	CQUAD2	114	100	206	207	239	238			01140000
115-	CQUAD2	115	100	207	208	240	239			01150000
116-	CQUAD2	116	100	208	209	241	240			01160000
117-	CQUAD2	117	100	209	210	242	241			01170000
118-	CQUAD2	118	100	231	232	246	245			01180000
119-	CQUAD2	119	100	232	233	247	246			01190000
120-	CQUAD2	120	100	233	234	248	247			01200000
121-	CQUAD2	121	100	234	237	251	248			01210000
122-	CQUAD2	122	100	237	238	252	251			01220000
123-	CQUAD2	123	100	238	239	253	252			01230000
124-	CQUAD2	124	100	239	240	254	253			01240000
125-	CQUAD2	125	100	240	241	255	254			01250000
126-	CQUAD2	126	100	241	242	256	255			01260000
127-	CQUAD2	127	100	245	246	250	259			01270000
128-	CQUAD2	128	100	246	247	261	260			01280000
129-	CQUAD2	129	100	247	248	262	261			01290000
130-	CQUAD2	130	100	248	251	265	262			01300000
131-	CQUAD2	131	100	251	252	266	265			01310000
132-	CQUAD2	132	100	252	253	267	266			01320000
133-	CQUAD2	133	100	253	254	268	267			01330000
134-	CQUAD2	134	100	254	255	269	268			01340000
135-	CQUAD2	135	100	255	256	270	269			01350000
136-	CQUAD2	136	100	259	260	274	273			01360000
137-	CQUAD2	137	100	260	261	275	274			01370000
138-	CQUAD2	138	100	261	262	276	275			01380000
139-	CQUAD2	139	100	262	265	279	276			01390000
140-	CQUAD2	140	100	265	266	290	279			01400000
141-	CQUAD2	141	100	266	267	281	280			01410000
142-	CQUAD2	142	100	267	268	282	281			01420000
143-	CQUAD2	143	100	268	269	283	282			01430000
144-	CQUAD2	144	100	269	270	284	283			01440000
145-	CQUAD2	145	100	273	274	288	287			01450000
146-	CQUAD2	146	100	274	275	289	288			01460000
147-	CQUAD2	147	100	275	276	290	289			01470000
148-	CQUAD2	148	100	276	279	293	290			01480000
149-	CQUAD2	149	100	279	280	294	293			01490000
150-	CQUAD2	150	100	280	281	295	294			01500000

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SORTED BULK DATA ECHO

CARD COUNT	1	2	3	4	5	6	7	8	9	10
151-	CQUAD2	151	100	281	282	296	295			01510000
152-	CQUAD2	152	100	282	283	297	296			01520000
153-	CQUAD2	153	100	283	284	298	297			01530000
154-	CQUAD2	154	100	287	288	302	301			01540000
155-	CQUAD2	155	100	288	289	303	302			01550000
156-	CQUAD2	156	100	289	290	304	303			01560000
157-	CQUAD2	157	100	290	293	305	304			01570000
158-	CQUAD2	158	100	293	294	306	305			01580000
159-	CQUAD2	159	100	294	295	307	306			01590000
160-	CQUAD2	160	100	295	296	308	307			01600000
161-	CQUAD2	161	100	296	297	309	308			01610000
162-	CQUAD2	162	100	297	298	310	309			01620000
163-	CQUAD2	163	100	301	302	332	331			01630000
164-	CQUAD2	164	100	302	303	333	332			01640000
165-	CQUAD2	165	100	303	304	334	333			01650000
166-	CQUAD2	166	100	304	305	337	334			01660000
167-	CQUAD2	167	100	305	306	338	337			01670000
168-	CQUAD2	168	100	306	307	339	338			01680000
169-	CQUAD2	169	100	307	308	340	339			01690000
170-	CQUAD2	170	100	308	309	341	340			01700000
171-	CQUAD2	171	100	309	310	342	341			01710000
172-	CQUAD2	172	100	331	332	346	345			01720000
173-	CQUAD2	173	100	332	333	347	346			01730000
174-	CQUAD2	174	100	333	334	348	347			01740000
175-	CQUAD2	175	100	334	337	351	348			01750000
176-	CQUAD2	176	100	337	338	352	351			01760000
177-	CQUAD2	177	100	338	339	353	352			01770000
178-	CQUAD2	178	100	339	340	354	353			01780000
179-	CQUAD2	179	100	340	341	355	354			01790000
180-	CQUAD2	180	100	341	342	356	355			01800000
181-	CQUAD2	181	100	345	346	350	359			01810000
182-	CQUAD2	182	100	346	347	361	360			01820000
183-	CQUAD2	183	100	347	348	352	361			01830000
184-	CQUAD2	184	100	348	351	365	362			01840000
185-	CQUAD2	185	100	351	352	366	365			01850000
186-	CQUAD2	186	100	352	353	357	366			01860000
187-	CQUAD2	187	100	353	354	368	367			01870000
188-	CQUAD2	188	100	354	355	369	368			01880000
189-	CQUAD2	189	100	355	356	370	369			01890000
190-	CQUAD2	190	100	359	360	374	373			01900000
191-	CQUAD2	191	100	360	361	375	374			01910000
192-	CQUAD2	192	100	361	362	376	375			01920000
193-	CQUAD2	193	100	362	365	379	376			01930000
194-	CQUAD2	194	100	365	366	380	379			01940000
195-	CQUAD2	195	100	366	367	381	380			01950000
196-	CQUAD2	196	100	367	368	382	381			01960000
197-	CQUAD2	197	100	368	369	383	382			01970000
198-	CQUAD2	198	100	369	370	384	383			01980000
199-	CQUAD2	199	100	373	374	388	387			01990000
200-	CQUAD2	200	100	374	375	389	388			02000000

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CARD COUNT	S O R T E D B J L K D A T A E C H O													
	1	2	3	4	5	6	7	8	9	10				
201-	CQUAD2	201	100	375	376	390	389	..	8	..	9	..	10	02010000
202-	CQUAD2	202	100	376	379	393	390							02020000
203-	CQUAD2	203	100	379	380	394	393							02030000
204-	CQUAD2	204	100	380	381	395	394							02040000
205-	CQUAD2	205	100	381	382	396	395							02050000
206-	CQUAD2	206	100	382	383	397	396							02060000
207-	CQUAD2	207	100	383	384	398	397							02070000
208-	CQUAD2	208	100	387	388	402	401							02080000
209-	CQUAD2	209	100	388	389	403	402							02090000
210-	CQUAD2	210	100	389	390	404	403							02100000
211-	CQUAD2	211	100	390	393	405	404							02110000
212-	CQUAD2	212	100	393	394	406	405							02120000
213-	CQUAD2	213	100	394	395	407	406							02130000
214-	CQUAD2	214	100	395	396	408	407							02140000
215-	CQUAD2	215	100	396	397	409	408							02150000
216-	CQUAD2	216	100	397	398	410	409							02160000
217-	CQUAD2	217	100	401	402	432	431							02170000
218-	CQUAD2	218	100	402	403	433	432							02180000
219-	CQUAD2	219	100	403	404	434	433							02190000
220-	CQUAD2	220	100	404	405	437	434							02200000
221-	CQUAD2	221	100	405	406	438	437							02210000
222-	CQUAD2	222	100	406	407	439	438							02220000
223-	CQUAD2	223	100	407	408	440	439							02230000
224-	CQUAD2	224	100	408	409	441	440							02240000
225-	CQUAD2	225	100	409	410	442	441							02250000
226-	CQUAD2	226	100	431	432	446	445							02260000
227-	CQUAD2	227	100	432	433	447	446							02270000
228-	CQUAD2	228	100	433	434	448	447							02280000
229-	CQUAD2	229	100	434	437	451	448							02290000
230-	CQUAD2	230	100	437	438	452	451							02300000
231-	CQUAD2	231	100	438	439	453	452							02310000
232-	CQUAD2	232	100	439	440	454	453							02320000
233-	CQUAD2	233	100	440	441	455	454							02330000
234-	CQUAD2	234	100	441	442	456	455							02340000
235-	CQUAD2	235	100	445	446	460	459							02350000
236-	CQUAD2	236	100	446	447	461	460							02360000
237-	CQUAD2	237	100	447	448	462	461							02370000
238-	CQUAD2	238	100	448	451	465	462							02380000
239-	CQUAD2	239	100	451	452	466	465							02390000
240-	CQUAD2	240	100	452	453	467	466							02400000
241-	CQUAD2	241	100	453	454	468	467							02410000
242-	CQUAD2	242	100	454	455	469	468							02420000
243-	CQUAD2	243	100	455	456	470	469							02430000
244-	CQUAD2	244	100	459	460	474	473							02440000
245-	CQUAD2	245	100	460	461	475	474							02450000
246-	CQUAD2	246	100	461	462	476	475							02460000
247-	CQUAD2	247	100	462	465	479	476							02470000
248-	CQUAD2	248	100	465	466	480	479							02480000
249-	CQUAD2	249	100	466	467	481	480							02490000
250-	CQUAD2	250	100	467	468	482	481							02500000

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SORTED BULK DATA ECHO

CARD COUNT	1	2	3	4	5	6	7	8	9	10
251-	CQUAD2	251	100	468	469	483	482			02510000
252-	CQUAD2	252	100	469	470	484	483			02520000
253-	CQUAD2	253	100	473	474	438	487			02530000
254-	CQUAD2	254	100	474	475	489	488			02540000
255-	CQUAD2	255	100	475	476	490	489			02550000
256-	CQUAD2	256	100	476	479	493	490			02560000
257-	CQUAD2	257	100	479	480	494	493			02570000
258-	CQUAD2	258	100	480	481	495	494			02580000
259-	CQUAD2	259	100	481	482	496	495			02590000
260-	CQUAD2	260	100	482	483	497	496			02600000
261-	CQUAD2	261	100	483	484	498	497			02610000
262-	CQUAD2	262	100	487	488	502	501			02620000
263-	CQUAD2	263	100	488	489	503	502			02630000
264-	CQUAD2	264	100	489	490	504	503			02640000
265-	CQUAD2	265	100	490	493	505	504			02650000
266-	CQUAD2	266	100	493	494	506	505			02660000
267-	CQUAD2	267	100	494	495	507	506			02670000
268-	CQUAD2	268	100	495	496	508	507			02680000
269-	CQUAD2	269	100	496	497	509	508			02690000
270-	CQUAD2	270	100	497	498	510	509			02700000
271-	CQUAD2	271	101	11	12	2	1			00010000
272-	CQUAD2	272	101	12	13	3	2			00020000
273-	CQUAD2	273	101	13	14	4	3			00030000
274-	CQUAD2	274	101	14	15	5	4			00040000
275-	CQUAD2	275	101	15	16	6	5			00050000
276-	CQUAD2	276	101	16	17	7	6			00060000
277-	CQUAD2	277	101	17	18	8	7			00070000
278-	CQUAD2	278	101	18	19	9	8			00080000
279-	CQUAD2	279	101	19	20	10	9			00090000
280-	CQUAD2	280	102	21	22	12	11			00100000
281-	CQUAD2	281	102	22	23	13	12			00110000
282-	CQUAD2	282	102	23	24	14	13			00120000
283-	CQUAD2	283	102	24	25	15	14			00130000
284-	CQUAD2	284	102	25	26	16	15			00140000
285-	CQUAD2	285	102	26	27	17	16			00150000
286-	CQUAD2	286	102	27	28	13	17			00160000
287-	CQUAD2	287	102	28	29	19	18			00170000
288-	CQUAD2	288	102	29	30	20	19			00180000
289-	CQUAD2	289	101	111	112	102	101			00190000
290-	CQUAD2	290	101	112	113	103	102			00200000
291-	CQUAD2	291	101	113	114	104	103			00210000
292-	CQUAD2	292	101	114	115	105	104			00220000
293-	CQUAD2	293	101	115	116	106	105			00230000
294-	CQUAD2	294	101	116	117	107	106			00240000
295-	CQUAD2	295	101	117	118	108	107			00250000
296-	CQUAD2	296	101	118	119	109	108			00260000
297-	CQUAD2	297	101	119	120	110	109			00270000
298-	CQUAD2	298	102	121	122	112	111			00280000
299-	CQUAD2	299	102	122	123	113	112			00290000
300-	CQUAD2	300	102	123	124	114	113			00300000

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S O R T F D B U L K D A T A E C H O

CARD COUNT	1	2	3	4	5	6	7	8	9	10
301-	CQUAD2	301	102	124	125	115	114			00310000
302-	CQUAD2	302	102	125	126	116	115			00320000
303-	CQUAD2	303	102	126	127	117	116			00330000
304-	CQUAD2	304	102	127	128	118	117			00340000
305-	CQUAD2	305	102	128	129	119	118			00350000
306-	CQUAD2	306	102	129	130	120	119			00360000
307-	CQUAD2	307	101	211	212	202	201			00370000
308-	CQUAD2	308	101	212	213	203	202			00380000
309-	CQUAD2	309	101	213	214	204	203			00390000
310-	CQUAD2	310	101	214	215	205	204			00400000
311-	CQUAD2	311	101	215	216	206	205			00410000
312-	CQUAD2	312	101	216	217	207	206			00420000
313-	CQUAD2	313	101	217	218	208	207			00430000
314-	CQUAD2	314	101	218	219	209	208			00440000
315-	CQUAD2	315	101	219	220	210	209			00450000
316-	CQUAD2	316	102	221	222	212	211			00460000
317-	CQUAD2	317	102	222	223	213	212			00470000
318-	CQUAD2	318	102	223	224	214	213			00480000
319-	CQUAD2	319	102	224	225	215	214			00490000
320-	CQUAD2	320	102	225	226	216	215			00500000
321-	CQUAD2	321	102	226	227	217	216			00510000
322-	CQUAD2	322	102	227	228	218	217			00520000
323-	CQUAD2	323	102	228	229	219	218			00530000
324-	CQUAD2	324	102	229	230	220	219			00540000
325-	CQUAD2	325	101	311	312	302	301			00550000
326-	CQUAD2	326	101	312	313	303	302			00560000
327-	CQUAD2	327	101	313	314	304	303			00570000
328-	CQUAD2	328	101	314	315	305	304			00580000
329-	CQUAD2	329	101	315	316	306	305			00590000
330-	CQUAD2	330	101	316	317	307	306			00600000
331-	CQUAD2	331	101	317	318	308	307			00610000
332-	CQUAD2	332	101	318	319	309	308			00620000
333-	CQUAD2	333	101	319	320	310	309			00630000
334-	CQUAD2	334	102	321	322	312	311			00640000
335-	CQUAD2	335	102	322	323	313	312			00650000
336-	CQUAD2	336	102	323	324	314	313			00660000
337-	CQUAD2	337	102	324	325	315	314			00670000
338-	CQUAD2	338	102	325	326	316	315			00680000
339-	CQUAD2	339	102	326	327	317	316			00690000
340-	CQUAD2	340	102	327	328	318	317			00700000
341-	CQUAD2	341	102	328	329	319	318			00710000
342-	CQUAD2	342	102	329	330	320	319			00720000
343-	CQUAD2	343	101	411	412	402	401			00730000
344-	CQUAD2	344	101	412	413	403	402			00740000
345-	CQUAD2	345	101	413	414	404	403			00750000
346-	CQUAD2	346	101	414	415	405	404			00760000
347-	CQUAD2	347	101	415	416	406	405			00770000
348-	CQUAD2	348	101	416	417	407	406			00780000
349-	CQUAD2	349	101	417	418	408	407			00790000
350-	CQUAD2	350	101	418	419	409	408			00800000

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SORTED BULK DATA ECHO

CARD	1	2	3	4	5	6	7	8	9	10
351-	CQUAD2	351	101	419	420	410	409			00810000
352-	CQUAD2	352	102	421	422	412	411			00820000
353-	CQUAD2	353	102	422	423	413	412			00830000
354-	CQUAD2	354	102	423	424	414	413			00840000
355-	CQUAD2	355	102	424	425	415	414			00850000
356-	CQUAD2	356	102	425	426	416	415			00860000
357-	CQUAD2	357	102	426	427	417	416			00870000
358-	CQUAD2	358	102	427	428	418	417			00880000
359-	CQUAD2	359	102	428	429	419	418			00890000
360-	CQUAD2	360	102	429	430	420	419			00900000
361-	CQUAD2	361	101	511	512	502	501			00910000
362-	CQUAD2	362	101	512	513	503	502			00920000
363-	CQUAD2	363	101	513	514	504	503			00930000
364-	CQUAD2	364	101	514	515	505	504			00940000
365-	CQUAD2	365	101	515	516	506	505			00950000
366-	CQUAD2	366	101	516	517	507	506			00960000
367-	CQUAD2	367	101	517	518	508	507			00970000
368-	CQUAD2	368	101	518	519	509	508			00980000
369-	CQUAD2	369	101	519	520	510	509			00990000
370-	CQUAD2	370	102	521	522	512	511			01000000
371-	CQUAD2	371	102	522	523	513	512			01010000
372-	CQUAD2	372	102	523	524	514	513			01020000
373-	CQUAD2	373	102	524	525	515	514			01030000
374-	CQUAD2	374	102	525	526	516	515			01040000
375-	CQUAD2	375	102	526	527	517	516			01050000
376-	CQUAD2	376	102	527	528	518	517			01060000
377-	CQUAD2	377	102	528	529	519	518			01070000
378-	CQUAD2	378	102	529	530	520	519			01080000
379-	CQUAD2	379	101	14	35	34	4			01090000
380-	CQUAD2	380	101	35	49	48	34			01100000
381-	CQUAD2	381	101	49	63	62	48			01110000
382-	CQUAD2	382	101	63	77	76	62			01120000
383-	CQUAD2	383	101	77	91	90	76			01130000
384-	CQUAD2	384	101	91	114	104	90			01140000
385-	CQUAD2	385	101	114	135	134	104			01150000
386-	CQUAD2	386	101	135	149	148	134			01160000
387-	CQUAD2	387	101	149	163	162	148			01170000
388-	CQUAD2	388	101	163	177	176	162			01180000
389-	CQUAD2	389	101	177	191	190	176			01190000
390-	CQUAD2	390	101	191	214	204	190			01200000
391-	CQUAD2	391	101	214	235	234	204			01210000
392-	CQUAD2	392	101	235	249	248	234			01220000
393-	CQUAD2	393	101	249	263	262	248			01230000
394-	CQUAD2	394	101	263	277	276	262			01240000
395-	CQUAD2	395	101	277	291	290	276			01250000
396-	CQUAD2	396	101	291	314	304	290			01260000
397-	CQUAD2	397	101	314	335	334	304			01270000
398-	CQUAD2	398	101	335	349	348	334			01280000
399-	CQUAD2	399	101	349	363	362	348			01290000
400-	CQUAD2	400	101	363	377	376	362			01300000

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SORTED BULK DATA ECHO

CARD COUNT	1	2	3	4	5	6	7	8	9	10
401-	CQUAD2	401	101	377	391	390	376			01310000
402-	CQUAD2	402	101	391	414	404	390			01320000
403-	CQUAD2	403	101	414	435	434	404			01330000
404-	CQUAD2	404	101	435	449	448	434			01340000
405-	CQUAD2	405	101	449	463	462	448			01350000
406-	CQUAD2	406	101	463	477	476	462			01360000
407-	CQUAD2	407	101	477	491	490	476			01370000
408-	CQUAD2	408	101	491	514	514	490			01380000
409-	CQUAD2	409	102	24	36	35	14			01390000
410-	CQUAD2	410	102	36	50	49	35			01400000
411-	CQUAD2	411	102	50	64	63	49			01410000
412-	CQUAD2	412	102	64	78	77	63			01420000
413-	CQUAD2	413	102	78	92	91	77			01430000
414-	CQUAD2	414	102	92	124	114	91			01440000
415-	CQUAD2	415	102	124	136	135	114			01450000
416-	CQUAD2	416	102	136	150	149	135			01460000
417-	CQUAD2	417	102	150	164	163	149			01470000
418-	CQUAD2	418	102	164	178	177	163			01480000
419-	CQUAD2	419	102	178	192	191	177			01490000
420-	CQUAD2	420	102	192	224	214	191			01500000
421-	CQUAD2	421	102	224	236	235	214			01510000
422-	CQUAD2	422	102	236	250	249	235			01520000
423-	CQUAD2	423	102	250	264	263	249			01530000
424-	CQUAD2	424	102	264	278	277	263			01540000
425-	CQUAD2	425	102	278	292	291	277			01550000
426-	CQUAD2	426	102	292	324	314	291			01560000
427-	CQUAD2	427	102	324	336	335	314			01570000
428-	CQUAD2	428	102	336	350	349	335			01580000
429-	CQUAD2	429	102	350	364	363	349			01590000
430-	CQUAD2	430	102	364	378	377	363			01600000
431-	CQUAD2	431	102	378	392	391	377			01610000
432-	CQUAD2	432	102	392	424	414	391			01620000
433-	CQUAD2	433	102	424	436	435	414			01630000
434-	CQUAD2	434	102	436	450	449	435			01640000
435-	CQUAD2	435	102	450	464	463	449			01650000
436-	CQUAD2	436	102	464	478	477	463			01660000
437-	CQUAD2	437	102	478	492	491	477			01670000
438-	CQUAD2	438	102	492	524	514	491			01680000
439-	CQUAD2	439	101	20	43	42	10			01690000
440-	CQUAD2	440	101	43	57	56	42			01700000
441-	CQUAD2	441	101	57	71	71	56			01710000
442-	CQUAD2	442	101	71	85	84	70			01720000
443-	CQUAD2	443	101	85	99	98	84			01730000
444-	CQUAD2	444	101	99	120	110	98			01740000
445-	CQUAD2	445	101	120	143	142	110			01750000
446-	CQUAD2	446	101	143	157	156	142			01760000
447-	CQUAD2	447	101	157	171	170	156			01770000
448-	CQUAD2	448	101	171	185	184	170			01780000
449-	CQUAD2	449	101	185	199	198	184			01790000
450-	CQUAD2	450	101	199	220	210	198			01800000

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CARD COUNT	SORTED BULK DATA ECHO									
	1	2	3	4	5	6	7	8	9	10
451-	CQUAD2	451	101	220	243	242	210			01810000
452-	CQUAD2	452	101	243	257	256	242			01820000
453-	CQUAD2	453	101	257	271	270	256			01830000
454-	CQUAD2	454	101	271	285	284	270			01840000
455-	CQUAD2	455	101	285	299	298	284			01850000
456-	CQUAD2	456	101	299	320	310	298			01860000
457-	CQUAD2	457	101	320	343	342	310			01870000
458-	CQUAD2	458	101	343	357	356	342			01880000
459-	CQUAD2	459	101	357	371	370	356			01890000
460-	CQUAD2	460	101	371	385	384	370			01900000
461-	CQUAD2	461	101	385	399	398	384			01910000
462-	CQUAD2	462	101	399	420	410	398			01920000
463-	CQUAD2	463	101	420	443	442	410			01930000
464-	CQUAD2	464	101	443	457	456	442			01940000
465-	CQUAD2	465	101	457	471	470	456			01950000
466-	CQUAD2	466	101	471	485	484	470			01960000
467-	CQUAD2	467	101	485	499	498	484			01970000
468-	CQUAD2	468	101	499	520	510	498			01980000
469-	CQUAD2	469	102	30	44	43	20			01990000
470-	CQUAD2	470	102	44	58	57	43			02000000
471-	CQUAD2	471	102	58	72	71	57			02010000
472-	CQUAD2	472	102	72	86	85	71			02020000
473-	CQUAD2	473	102	86	100	99	85			02030000
474-	CQUAD2	474	102	100	130	120	99			02040000
475-	CQUAD2	475	102	130	144	143	120			02050000
476-	CQUAD2	476	102	144	158	157	143			02060000
477-	CQUAD2	477	102	158	172	171	157			02070000
478-	CQUAD2	478	102	172	186	185	171			02080000
479-	CQUAD2	479	102	186	200	199	185			02090000
480-	CQUAD2	480	102	200	230	220	199			02100000
481-	CQUAD2	481	102	230	244	243	220			02110000
482-	CQUAD2	482	102	244	258	257	243			02120000
483-	CQUAD2	483	102	258	272	271	257			02130000
484-	CQUAD2	484	102	272	286	285	271			02140000
485-	CQUAD2	485	102	286	300	299	285			02150000
486-	CQUAD2	486	102	300	330	320	299			02160000
487-	CQUAD2	487	102	330	344	343	320			02170000
488-	CQUAD2	488	102	344	358	357	343			02180000
489-	CQUAD2	489	102	358	372	371	357			02190000
490-	CQUAD2	490	102	372	386	385	371			02200000
491-	CQUAD2	491	102	386	400	399	385			02210000
492-	CQUAD2	492	102	400	430	420	399			02220000
493-	CQUAD2	493	102	430	444	443	420			02230000
494-	CQUAD2	494	102	444	458	457	443			02240000
495-	CQUAD2	495	102	458	472	471	457			02250000
496-	CQUAD2	496	102	472	486	485	471			02260000
497-	CQUAD2	497	102	486	500	499	485			02270000
498-	CQUAD2	498	102	500	530	520	499			02280000
499-	FORCE	3	245	0	15.84	.0	-1.	.0		00010000
500-	FORCE	3	246	0	15.84	.0	-1.	.0		00020000

*19/02/d*

SORTED BULK DATA ECHO

CARD	1	2	3	4	5	6	7	8	9	10
501-	FORCE	3	259	0	31.68	.0	-1.	.0		00030000
502-	FORCE	3	260	0	31.68	.0	-1.	.0		00040000
503-	FORCE	3	273	0	15.84	.0	-1.	.0		00050000
504-	FORCE	3	274	0	15.84	.0	-1.	.0		00060000
505-	GRAV	100	0	386.4	.0	-1.	.0			00070000
506-	GRID	1		0.0	0.0	0.0				00010000
507-	GRID	2		1.593	0.001	0.0				00020000
508-	GRID	3		3.187	0.006	0.0				00030000
509-	GRID	4		4.780	0.013	0.0				00040000
510-	GRID	5		6.373	0.024	0.0				00050000
511-	GRID	6		7.967	0.037	0.0				00060000
512-	GRID	7		9.560	0.053	0.0				00070000
513-	GRID	8		11.153	0.072	0.0				00080000
514-	GRID	9		12.747	0.094	0.0				00090000
515-	GRID	10		14.340	0.119	0.0				00100000
516-	GRID	11		0.0	-1.500	0.0				00110000
517-	GRID	12		1.593	-1.499	0.0		6		00120000
518-	GRID	13		3.187	-1.494	0.0		6		00130000
519-	GRID	14		4.780	-1.487	0.0				00140000
520-	GRID	15		6.373	-1.476	0.0		6		00150000
521-	GRID	16		7.967	-1.463	0.0		6		00160000
522-	GRID	17		9.560	-1.447	0.0		6		00170000
523-	GRID	18		11.153	-1.428	0.0		6		00180000
524-	GRID	19		12.747	-1.406	0.0		6		00190000
525-	GRID	20		14.340	-1.381	0.0				00200000
526-	GRID	21		0.0	-3.000	0.0				00210000
527-	GRID	22		1.593	-2.999	0.0		6		00220000
528-	GRID	23		3.187	-2.994	0.0		6		00230000
529-	GRID	24		4.780	-2.987	0.0				00240000
530-	GRID	25		6.373	-2.976	0.0		6		00250000
531-	GRID	26		7.967	-2.963	0.0		6		00260000
532-	GRID	27		9.560	-2.947	0.0		6		00270000
533-	GRID	28		11.153	-2.928	0.0		6		00280000
534-	GRID	29		12.747	-2.906	0.0		6		00290000
535-	GRID	30		14.340	-2.881	0.0				00300000
536-	GRID	31		0.0	-0.061	-1.987				00310000
537-	GRID	32		1.607	-0.059	-1.987		5		00320000
538-	GRID	33		3.214	-0.055	-1.987		5		00330000
539-	GRID	34		4.822	-0.047	-1.987				00340000
540-	GRID	35		4.822	-1.547	-1.987		4		00350000
541-	GRID	36		4.822	-3.047	-1.987		4		00360000
542-	GRID	37		6.429	-0.037	-1.987		5		00370000
543-	GRID	38		8.036	-0.023	-1.987		5		00380000
544-	GRID	39		9.643	-0.007	-1.987		5		00390000
545-	GRID	40		11.250	0.012	-1.987		5		00400000
546-	GRID	41		12.857	0.035	-1.987		5		00410000
547-	GRID	42		14.465	0.060	-1.987				00420000
548-	GRID	43		14.465	-1.440	-1.987		4		00430000
549-	GRID	44		14.465	-2.940	-1.987		4		00440000
550-	GRID	45		0.0	-0.118	-3.975				00450000

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S O R T E D B U L K D A T A E C H O										
CARD	1	2	3	4	5	6	7	8	9	10
COUNT	.	..	..	..	..	..	..	..	..	..
551-	GRID	46		1.621	-0.116	-3.975		5		00460000
552-	GRID	47		3.242	-0.112	-3.975		5		00470000
553-	GRID	48		4.863	-0.104	-3.975				00480000
554-	GRID	49		4.863	-1.604	-3.975		4		00490000
555-	GRID	50		4.863	-3.104	-3.975		4		00500000
556-	GRID	51		6.484	-0.093	-3.975		5		00510000
557-	GRID	52		8.105	-0.090	-3.975		5		00520000
558-	GRID	53		9.726	-0.063	-3.975		5		00530000
559-	GRID	54		11.347	-0.043	-3.975		5		00540000
560-	GRID	55		12.968	-0.020	-3.975		5		00550000
561-	GRID	56		14.589	0.006	-3.975		5		00560000
562-	GRID	57		14.589	-1.494	-3.975		4		00570000
563-	GRID	58		14.589	-2.994	-3.975		4		00580000
564-	GRID	59		0.0	-0.170	-5.962				00590000
565-	GRID	60		1.635	-0.169	-5.962		5		00600000
566-	GRID	61		3.270	-0.164	-5.962		5		00610000
567-	GRID	62		4.905	-0.156	-5.962				00620000
568-	GRID	63		4.905	-1.656	-5.962		4		00630000
569-	GRID	64		4.905	-3.156	-5.962		4		00640000
570-	GRID	65		6.530	-0.145	-5.962		5		00650000
571-	GRID	66		8.174	-0.131	-5.962		5		00660000
572-	GRID	67		9.809	-0.114	-5.962		5		00670000
573-	GRID	68		11.444	-0.094	-5.962		5		00680000
574-	GRID	69		13.079	-0.071	-5.962		5		00690000
575-	GRID	70		14.714	-0.045	-5.962				00700000
576-	GRID	71		14.714	-1.545	-5.962		4		00710000
577-	GRID	72		14.714	-3.045	-5.962		4		00720000
578-	GRID	73		0.0	-0.218	-7.950				00730000
579-	GRID	74		1.649	-0.217	-7.950		5		00740000
580-	GRID	75		3.297	-0.212	-7.950		5		00750000
581-	GRID	76		4.946	-0.204	-7.950				00760000
582-	GRID	77		4.946	-1.704	-7.950		4		00770000
583-	GRID	78		4.946	-3.204	-7.950		4		00780000
584-	GRID	79		6.595	-0.193	-7.950		5		00790000
585-	GRID	80		8.244	-0.179	-7.950		5		00800000
586-	GRID	81		9.892	-0.162	-7.950		5		00810000
587-	GRID	82		11.541	-0.141	-7.950		5		00820000
588-	GRID	83		13.190	-0.118	-7.950		5		00830000
589-	GRID	84		14.838	-0.091	-7.950				00840000
590-	GRID	85		14.838	-1.591	-7.950		4		00850000
591-	GRID	86		14.838	-3.091	-7.950		4		00860000
592-	GRID	87		0.0	-0.262	-9.938				00870000
593-	GRID	88		1.663	-0.261	-9.938		5		00880000
594-	GRID	89		3.325	-0.256	-9.938		5		00890000
595-	GRID	90		4.988	-0.248	-9.938				00900000
596-	GRID	91		4.988	-1.748	-9.938		4		00910000
597-	GRID	92		4.988	-3.248	-9.938		4		00920000
598-	GRID	93		6.650	-0.237	-9.938		5		00930000
599-	GRID	94		8.313	-0.222	-9.938		5		00940000
600-	GRID	95		9.975	-0.205	-9.938		5		00950000

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SORTED BULK DATA ECHO

CARD COUNT	1	2	3	4	5	6	7	8	9	10
601-	GRID	96		11.638	-0.184	-9.938		5		00960000
602-	GRID	97		13.300	-0.160	-9.938		5		00970000
603-	GRID	98		14.963	-0.133	-9.938				00980000
604-	GRID	99		14.963	-1.633	-9.938		4		00990000
605-	GRID	100		14.963	-3.133	-9.938		4		01000000
606-	GRID	101		0.0	-0.302	-11.925				01010000
607-	GRID	102		1.676	-0.301	-11.925				01020000
608-	GRID	103		3.353	-0.296	-11.925				01030000
609-	GRID	104		5.029	-0.288	-11.925				01040000
610-	GRID	105		6.706	-0.276	-11.925				01050000
611-	GRID	106		8.382	-0.262	-11.925				01060000
612-	GRID	107		10.058	-0.244	-11.925				01070000
613-	GRID	108		11.735	-0.223	-11.925				01080000
614-	GRID	109		13.411	-0.198	-11.925				01090000
615-	GRID	110		15.088	-0.171	-11.925				01100000
616-	GRID	111		0.0	-1.802	-11.925				01110000
617-	GRID	112		1.676	-1.801	-11.925		6		01120000
618-	GRID	113		3.353	-1.796	-11.925		6		01130000
619-	GRID	114		5.029	-1.788	-11.925				01140000
620-	GRID	115		6.706	-1.776	-11.925		6		01150000
621-	GRID	116		8.382	-1.762	-11.925		6		01160000
622-	GRID	117		10.058	-1.744	-11.925		6		01170000
623-	GRID	118		11.735	-1.723	-11.925		6		01180000
624-	GRID	119		13.411	-1.698	-11.925		6		01190000
625-	GRID	120		15.088	-1.671	-11.925				01200000
626-	GRID	121		0.0	-3.302	-11.925				01210000
627-	GRID	122		1.676	-3.301	-11.925		6		01220000
628-	GRID	123		3.353	-3.296	-11.925		6		01230000
629-	GRID	124		5.029	-3.288	-11.925				01240000
630-	GRID	125		6.706	-3.276	-11.925		6		01250000
631-	GRID	126		8.382	-3.262	-11.925		6		01260000
632-	GRID	127		10.058	-3.244	-11.925		6		01270000
633-	GRID	128		11.735	-3.223	-11.925		6		01280000
634-	GRID	129		13.411	-3.198	-11.925		6		01290000
635-	GRID	130		15.088	-3.171	-11.925				01300000
636-	GRID	131		0.0	-0.338	-13.912				01310000
637-	GRID	132		1.690	-0.336	-13.912		5		01320000
638-	GRID	133		3.380	-0.331	-13.912		5		01330000
639-	GRID	134		5.071	-0.323	-13.912				01340000
640-	GRID	135		5.071	-1.823	-13.912		4		01350000
641-	GRID	136		5.071	-3.323	-13.912		4		01360000
642-	GRID	137		6.761	-0.312	-13.912		5		01370000
643-	GRID	138		8.451	-0.297	-13.912		5		01380000
644-	GRID	139		10.141	-0.279	-13.912		5		01390000
645-	GRID	140		11.832	-0.257	-13.912		5		01400000
646-	GRID	141		13.522	-0.232	-13.912		5		01410000
647-	GRID	142		15.212	-0.204	-13.912				01420000
648-	GRID	143		15.212	-1.704	-13.912		4		01430000
649-	GRID	144		15.212	-3.204	-13.912		4		01440000
650-	GRID	145		0.0	-0.370	-15.900				01450000

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SORTED BULK DATA ECHO

CARD	1	2	3	4	5	6	7	8	9	10
651-	GRID	146	1.704	-0.368	-15.900		5			01460000
652-	GRID	147	3.408	-0.363	-15.900		5			01470000
653-	GRID	148	5.112	-0.354	-15.900					01480000
654-	GRID	149	5.112	-1.854	-15.900		4			01490000
655-	GRID	150	5.112	-3.354	-15.900		4			01500000
656-	GRID	151	6.816	-0.343	-15.900		5			01510000
657-	GRID	152	8.520	-0.328	-15.900		5			01520000
658-	GRID	153	10.225	-0.309	-15.900		5			01530000
659-	GRID	154	11.929	-0.287	-15.900		5			01540000
660-	GRID	155	13.633	-0.262	-15.900		5			01550000
661-	GRID	156	15.337	-0.233	-15.900					01560000
662-	GRID	157	15.337	-1.733	-15.900		4			01570000
663-	GRID	158	15.337	-3.233	-15.900		4			01580000
664-	GRID	159	0.0	-0.397	-17.887					01590000
665-	GRID	160	1.718	-0.395	-17.887		5			01600000
666-	GRID	161	3.436	-0.390	-17.887		5			01610000
667-	GRID	162	5.154	-0.382	-17.887					01620000
668-	GRID	163	5.154	-1.882	-17.887		4			01630000
669-	GRID	164	5.154	-3.382	-17.887		4			01640000
670-	GRID	165	6.872	-0.370	-17.887		5			01650000
671-	GRID	166	8.590	-0.354	-17.887		5			01660000
672-	GRID	167	10.308	-0.335	-17.887		5			01670000
673-	GRID	168	12.026	-0.313	-17.887		5			01680000
674-	GRID	169	13.743	-0.287	-17.887		5			01690000
675-	GRID	170	15.461	-0.258	-17.887					01700000
676-	GRID	171	15.461	-1.758	-17.887		4			01710000
677-	GRID	172	15.461	-3.258	-17.887		4			01720000
678-	GRID	173	0.0	-0.420	-19.875					01730000
679-	GRID	174	1.732	-0.418	-19.875		5			01740000
680-	GRID	175	3.464	-0.413	-19.875		5			01750000
681-	GRID	176	5.195	-0.404	-19.875					01760000
682-	GRID	177	5.195	-1.904	-19.875		4			01770000
683-	GRID	178	5.195	-3.404	-19.875		4			01780000
684-	GRID	179	6.927	-0.392	-19.875		5			01790000
685-	GRID	180	8.659	-0.377	-19.875		5			01800000
686-	GRID	181	10.391	-0.357	-19.875		5			01810000
687-	GRID	182	12.122	-0.335	-19.875		5			01820000
688-	GRID	183	13.854	-0.309	-19.875		5			01830000
689-	GRID	184	15.586	-0.279	-19.875					01840000
690-	GRID	185	15.586	-1.779	-19.875		4			01850000
691-	GRID	186	15.586	-3.279	-19.875		4			01860000
692-	GRID	187	0.0	-0.439	-21.862					01870000
693-	GRID	188	1.746	-0.437	-21.862		5			01880000
694-	GRID	189	3.491	-0.432	-21.862		5			01890000
695-	GRID	190	5.237	-0.423	-21.862					01900000
696-	GRID	191	5.237	-1.923	-21.862		4			01910000
697-	GRID	192	5.237	-3.423	-21.862		4			01920000
698-	GRID	193	6.982	-0.411	-21.862		5			01930000
699-	GRID	194	8.728	-0.395	-21.862		5			01940000
700-	GRID	195	10.474	-0.375	-21.862		5			01950000

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S O R T E D B U L K D A T A E C H O

CARD	1	2	3	4	5	6	7	8	9	10
701-	GRID	196		12.219	-0.352	-21.862		5		01960000
702-	GRID	197		13.965	-0.325	-21.862		5		01970000
703-	GRID	198		15.711	-0.296	-21.862				01980000
704-	GRID	199		15.711	-1.796	-21.862		4		01990000
705-	GRID	200		15.711	-3.296	-21.862		4		02000000
706-	GRID	201		0.0	-0.454	-23.850				02010000
707-	GRID	202		1.759	-0.452	-23.850				02020000
708-	GRID	203		3.519	-0.446	-23.850				02030000
709-	GRID	204		5.278	-0.437	-23.850				02040000
710-	GRID	205		7.038	-0.425	-23.850				02050000
711-	GRID	206		8.797	-0.409	-23.850				02060000
712-	GRID	207		10.557	-0.389	-23.850				02070000
713-	GRID	208		12.316	-0.366	-23.850				02080000
714-	GRID	209		14.076	-0.339	-23.850				02090000
715-	GRID	210		15.835	-0.308	-23.850				02100000
716-	GRID	211		0.0	-1.954	-23.850				02110000
717-	GRID	212		1.759	-1.952	-23.850		6		02120000
718-	GRID	213		3.519	-1.946	-23.850		6		02130000
719-	GRID	214		5.278	-1.937	-23.850				02140000
720-	GRID	215		7.038	-1.925	-23.850		6		02150000
721-	GRID	216		8.797	-1.909	-23.850		6		02160000
722-	GRID	217		10.557	-1.889	-23.850		6		02170000
723-	GRID	218		12.316	-1.866	-23.850		6		02180000
724-	GRID	219		14.076	-1.839	-23.850		6		02190000
725-	GRID	220		15.835	-1.808	-23.850				02200000
726-	GRID	221		0.0	-3.454	-23.850				02210000
727-	GRID	222		1.759	-3.452	-23.850		6		02220000
728-	GRID	223		3.519	-3.446	-23.850		6		02230000
729-	GRID	224		5.278	-3.437	-23.850				02240000
730-	GRID	225		7.038	-3.425	-23.850		6		02250000
731-	GRID	226		8.797	-3.409	-23.850		6		02260000
732-	GRID	227		10.557	-3.389	-23.850		6		02270000
733-	GRID	228		12.316	-3.366	-23.850		6		02280000
734-	GRID	229		14.076	-3.339	-23.850		6		02290000
735-	GRID	230		15.835	-3.308	-23.850				02300000
736-	GRID	231		0.0	-0.464	-25.837				02310000
737-	GRID	232		1.773	-0.462	-25.837		5		02320000
738-	GRID	233		3.547	-0.457	-25.837		5		02330000
739-	GRID	234		5.320	-0.448	-25.837				02340000
740-	GRID	235		5.320	-1.948	-25.837		4		02350000
741-	GRID	236		5.320	-3.448	-25.837		4		02360000
742-	GRID	237		7.093	-0.435	-25.837		5		02370000
743-	GRID	238		8.867	-0.419	-25.837		5		02380000
744-	GRID	239		10.640	-0.399	-25.837		5		02390000
745-	GRID	240		12.413	-0.375	-25.837		5		02400000
746-	GRID	241		14.186	-0.348	-25.837		5		02410000
747-	GRID	242		15.960	-0.317	-25.837				02420000
748-	GRID	243		15.960	-1.817	-25.837		4		02430000
749-	GRID	244		15.960	-3.317	-25.837		4		02440000
750-	GRID	245		0.0	-0.470	-27.825				02450000

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S O R T E D B U L K D A T A E C H O										
CARD	1	2	3	4	5	6	7	8	9	10
COUNT	.	..	..	..	..	..	..	..	..	..
751-	GRID	246		1.787	-0.469	-27.825		5		02460000
752-	GRID	247		3.574	-0.463	-27.825		5		02470000
753-	GRID	248		5.361	-0.454	-27.825				02480000
754-	GRID	249		5.361	-1.954	-27.825		4		02490000
755-	GRID	250		5.361	-3.454	-27.825		4		02500000
756-	GRID	251		7.149	-0.441	-27.825		5		02510000
757-	GRID	252		8.936	-0.424	-27.825		5		02520000
758-	GRID	253		10.723	-0.404	-27.825		5		02530000
759-	GRID	254		12.510	-0.388	-27.825		5		02540000
760-	GRID	255		14.297	-0.352	-27.825		5		02550000
761-	GRID	256		16.084	-0.321	-27.825				02560000
762-	GRID	257		16.084	-1.821	-27.825		4		02570000
763-	GRID	258		16.084	-3.321	-27.825		4		02580000
764-	GRID	259		0.0	-0.472	-29.812				02590000
765-	GRID	260		1.801	-0.471	-29.812		5		02600000
766-	GRID	261		3.602	-0.465	-29.812		5		02610000
767-	GRID	262		5.403	-0.456	-29.812				02620000
768-	GRID	263		5.403	-1.956	-29.812		4		02630000
769-	GRID	264		5.403	-3.456	-29.812		4		02640000
770-	GRID	265		7.204	-0.442	-29.812		5		02650000
771-	GRID	266		9.005	-0.425	-29.812		5		02660000
772-	GRID	267		10.806	-0.405	-29.812		5		02670000
773-	GRID	268		12.607	-0.388	-29.812		5		02680000
774-	GRID	269		14.408	-0.352	-29.812		5		02690000
775-	GRID	270		16.209	-0.320	-29.812				02700000
776-	GRID	271		16.209	-1.820	-29.812		4		02710000
777-	GRID	272		16.209	-3.320	-29.812		4		02720000
778-	GRID	273		0.0	-0.478	-31.800				02730000
779-	GRID	274		1.815	-0.468	-31.800		5		02740000
780-	GRID	275		3.630	-0.463	-31.800		5		02750000
781-	GRID	276		5.445	-0.453	-31.800				02760000
782-	GRID	277		5.445	-1.953	-31.800		4		02770000
783-	GRID	278		5.445	-3.453	-31.800		4		02780000
784-	GRID	279		7.259	-0.440	-31.800		5		02790000
785-	GRID	280		9.074	-0.423	-31.800		5		02800000
786-	GRID	281		10.889	-0.402	-31.800		5		02810000
787-	GRID	282		12.704	-0.377	-31.800		5		02820000
788-	GRID	283		14.519	-0.348	-31.800		5		02830000
789-	GRID	284		16.334	-0.315	-31.800				02840000
790-	GRID	285		16.334	-1.816	-31.800		4		02850000
791-	GRID	286		16.334	-3.316	-31.800		4		02860000
792-	GRID	287		0.0	-0.464	-33.787				02870000
793-	GRID	288		1.829	-0.462	-33.787		5		02880000
794-	GRID	289		3.657	-0.456	-33.787		5		02890000
795-	GRID	290		5.486	-0.447	-33.787				02900000
796-	GRID	291		5.486	-1.947	-33.787		4		02910000
797-	GRID	292		5.486	-3.447	-33.787		4		02920000
798-	GRID	293		7.315	-0.433	-33.787		5		02930000
799-	GRID	294		9.143	-0.416	-33.787		5		02940000
800-	GRID	295		10.972	-0.394	-33.787		5		02950000

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SORTED BULK DATA ECHO

CARD	1	2	3	4	5	6	7	8	9	10
801-	GRID	296		12.801	-0.369	-33.787		5		02960000
802-	GRID	297		14.629	-0.340	-33.787		5		02970000
803-	GRID	298		16.458	-0.307	-33.787				02980000
804-	GRID	299		16.458	-1.807	-33.787		4		02990000
805-	GRID	300		16.458	-3.307	-33.787		4		03000000
806-	GRID	301		0.0	-0.454	-35.775				03010000
807-	GRID	302		1.843	-0.452	-35.775				03020000
808-	GRID	303		3.685	-0.445	-35.775				03030000
809-	GRID	304		5.528	-0.436	-35.775				03040000
810-	GRID	305		7.370	-0.422	-35.775				03050000
811-	GRID	306		9.213	-0.404	-35.775				03060000
812-	GRID	307		11.055	-0.383	-35.775				03070000
813-	GRID	308		12.898	-0.357	-35.775				03080000
814-	GRID	309		14.740	-0.328	-35.775				03090000
815-	GRID	310		16.583	-0.294	-35.775				03100000
816-	GRID	311		0.0	-1.954	-35.775				03110000
817-	GRID	312		1.843	-1.952	-35.775		6		03120000
818-	GRID	313		3.685	-1.946	-35.775		6		03130000
819-	GRID	314		5.528	-1.936	-35.775				03140000
820-	GRID	315		7.370	-1.922	-35.775		6		03150000
821-	GRID	316		9.213	-1.904	-35.775		6		03160000
822-	GRID	317		11.055	-1.883	-35.775		6		03170000
823-	GRID	318		12.898	-1.857	-35.775		6		03180000
824-	GRID	319		14.740	-1.828	-35.775		6		03190000
825-	GRID	320		16.583	-1.794	-35.775				03200000
826-	GRID	321		0.0	-3.454	-35.775				03210000
827-	GRID	322		1.843	-3.452	-35.775		6		03220000
828-	GRID	323		3.685	-3.446	-35.775		6		03230000
829-	GRID	324		5.528	-3.436	-35.775				03240000
830-	GRID	325		7.370	-3.422	-35.775		6		03250000
831-	GRID	326		9.213	-3.404	-35.775		6		03260000
832-	GRID	327		11.055	-3.383	-35.775		6		03270000
833-	GRID	328		12.898	-3.357	-35.775		6		03280000
834-	GRID	329		14.740	-3.328	-35.775		6		03290000
835-	GRID	330		16.583	-3.294	-35.775				03300000
836-	GRID	331		0.0	-0.439	-37.762				03310000
837-	GRID	332		1.856	-0.437	-37.762		5		03320000
838-	GRID	333		3.713	-0.431	-37.762		5		03330000
839-	GRID	334		5.569	-0.421	-37.762				03340000
840-	GRID	335		5.569	-1.921	-37.762		4		03350000
841-	GRID	336		5.569	-3.421	-37.762		4		03360000
842-	GRID	337		7.425	-0.407	-37.762		5		03370000
843-	GRID	338		9.282	-0.389	-37.762		5		03380000
844-	GRID	339		11.138	-0.367	-37.762		5		03390000
845-	GRID	340		12.995	-0.341	-37.762		5		03400000
846-	GRID	341		14.851	-0.311	-37.762		5		03410000
847-	GRID	342		16.707	-0.277	-37.762				03420000
848-	GRID	343		16.707	-1.777	-37.762		4		03430000
849-	GRID	344		16.707	-3.277	-37.762		4		03440000
850-	GRID	345		0.0	-0.420	-39.750				03450000

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SORTED BULK DATA ECHO

CARD		1	2	3	4	5	6	7	8	9	10
851-	GRID	346			1.870	-0.418	-39.750		5		03460000
852-	GRID	347			3.740	-0.412	-39.750		5		03470000
853-	GRID	348			5.611	-0.402	-39.750				03480000
854-	GRID	349			5.611	-1.902	-39.750		4		03490000
855-	GRID	350			5.611	-3.402	-39.750		4		03500000
856-	GRID	351			7.481	-0.388	-39.750		5		03510000
857-	GRID	352			9.351	-0.369	-39.750		5		03520000
858-	GRID	353			11.221	-0.347	-39.750		5		03530000
859-	GRID	354			13.092	-0.321	-39.750		5		03540000
860-	GRID	355			14.962	-0.290	-39.750		5		03550000
861-	GRID	356			16.832	-0.256	-39.750				03560000
862-	GRID	357			16.832	-1.756	-39.750		4		03570000
863-	GRID	358			16.832	-3.256	-39.750		4		03580000
864-	GRID	359			0.0	-0.397	-41.737				03590000
865-	GRID	360			1.884	-0.395	-41.737		5		03600000
866-	GRID	361			3.768	-0.389	-41.737		5		03610000
867-	GRID	362			5.652	-0.378	-41.737				03620000
868-	GRID	363			5.652	-1.878	-41.737		4		03630000
869-	GRID	364			5.652	-3.378	-41.737		4		03640000
870-	GRID	365			7.536	-0.364	-41.737		5		03650000
871-	GRID	366			9.420	-0.345	-41.737		5		03660000
872-	GRID	367			11.304	-0.323	-41.737		5		03670000
873-	GRID	368			13.188	-0.296	-41.737		5		03680000
874-	GRID	369			15.073	-0.265	-41.737		5		03690000
875-	GRID	370			16.956	-0.230	-41.737				03700000
876-	GRID	371			16.956	-1.730	-41.737		4		03710000
877-	GRID	372			16.956	-3.230	-41.737		4		03720000
878-	GRID	373			0.0	-0.370	-43.725				03730000
879-	GRID	374			1.898	-0.368	-43.725		5		03740000
880-	GRID	375			3.796	-0.361	-43.725		5		03750000
881-	GRID	376			5.694	-0.351	-43.725				03760000
882-	GRID	377			5.694	-1.851	-43.725		4		03770000
883-	GRID	378			5.694	-3.351	-43.725		4		03780000
884-	GRID	379			7.592	-0.336	-43.725		5		03790000
885-	GRID	380			9.490	-0.317	-43.725		5		03800000
886-	GRID	381			11.387	-0.294	-43.725		5		03810000
887-	GRID	382			13.285	-0.267	-43.725		5		03820000
888-	GRID	383			15.183	-0.236	-43.725		5		03830000
889-	GRID	384			17.081	-0.201	-43.725				03840000
890-	GRID	385			17.081	-1.701	-43.725		4		03850000
891-	GRID	386			17.081	-3.201	-43.725		4		03860000
892-	GRID	387			0.0	-0.338	-45.712				03870000
893-	GRID	388			1.912	-0.336	-45.712		5		03880000
894-	GRID	389			3.823	-0.330	-45.712		5		03890000
895-	GRID	390			5.735	-0.319	-45.712				03900000
896-	GRID	391			5.735	-1.819	-45.712		4		03910000
897-	GRID	392			5.735	-3.319	-45.712		4		03920000
898-	GRID	393			7.647	-0.304	-45.712		5		03930000
899-	GRID	394			9.559	-0.285	-45.712		5		03940000
900-	GRID	395			11.471	-0.362	-45.712		5		03950000

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SORTED BULK DATA ECHO

CARD COUNT	1	2	3	4	5	6	7	8	9	10
901-	GRID	396		13.382	-0.234	-45.712		5		03960000
902-	GRID	397		15.294	-0.203	-45.712		5		03970000
903-	GRID	398		17.206	-0.167	-45.712				03980000
904-	GRID	399		17.206	-1.667	-45.712		4		03990000
905-	GRID	400		17.206	-3.167	-45.712		4		04000000
906-	GRID	401		0.0	-0.302	-47.700				04010000
907-	GRID	402		1.926	-0.300	-47.700				04020000
908-	GRID	403		3.851	-0.294	-47.700				04030000
909-	GRID	404		5.777	-0.283	-47.700				04040000
910-	GRID	405		7.702	-0.268	-47.700				04050000
911-	GRID	406		9.628	-0.249	-47.700				04060000
912-	GRID	407		11.554	-0.225	-47.700				04070000
913-	GRID	408		13.479	-0.197	-47.700				04080000
914-	GRID	409		15.405	-0.165	-47.700				04090000
915-	GRID	410		17.330	-0.128	-47.700				04100000
916-	GRID	411		0.0	-1.802	-47.700				04110000
917-	GRID	412		1.926	-1.800	-47.700		6		04120000
918-	GRID	413		3.851	-1.794	-47.700		6		04130000
919-	GRID	414		5.777	-1.783	-47.700				04140000
920-	GRID	415		7.702	-1.768	-47.700		6		04150000
921-	GRID	416		9.628	-1.749	-47.700		6		04160000
922-	GRID	417		11.554	-1.725	-47.700		6		04170000
923-	GRID	418		13.479	-1.697	-47.700		6		04180000
924-	GRID	419		15.405	-1.665	-47.700		6		04190000
925-	GRID	420		17.330	-1.628	-47.700				04200000
926-	GRID	421		0.0	-3.302	-47.700				04210000
927-	GRID	422		1.926	-3.300	-47.700		6		04220000
928-	GRID	423		3.851	-3.294	-47.700		6		04230000
929-	GRID	424		5.777	-3.283	-47.700				04240000
930-	GRID	425		7.702	-3.268	-47.700		6		04250000
931-	GRID	426		9.628	-3.249	-47.700		6		04260000
932-	GRID	427		11.554	-3.225	-47.700		6		04270000
933-	GRID	428		13.479	-3.197	-47.700		6		04280000
934-	GRID	429		15.405	-3.165	-47.700		6		04290000
935-	GRID	430		17.330	-3.128	-47.700				04300000
936-	GRID	431		0.0	-0.262	-49.687				04310000
937-	GRID	432		1.939	-0.260	-49.687		5		04320000
938-	GRID	433		3.879	-0.254	-49.687		5		04330000
939-	GRID	434		5.818	-0.243	-49.687				04340000
940-	GRID	435		5.818	-1.743	-49.687		4		04350000
941-	GRID	436		5.818	-3.243	-49.687		4		04360000
942-	GRID	437		7.758	-0.228	-49.687		5		04370000
943-	GRID	438		9.697	-0.208	-49.687		5		04380000
944-	GRID	439		11.637	-0.184	-49.687		5		04390000
945-	GRID	440		13.576	-0.156	-49.687		5		04400000
946-	GRID	441		15.516	-0.123	-49.687		5		04410000
947-	GRID	442		17.455	-0.086	-49.687				04420000
948-	GRID	443		17.455	-1.585	-49.687		4		04430000
949-	GRID	444		17.455	-3.086	-49.687		4		04440000
950-	GRID	445		0.0	-0.218	-51.675				04450000

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S O R T E D B U L K D A T A E C H O										
CARD	1	2	3	4	5	6	7	8	9	10
COUNT										
051-	GRID	446	1.953	-0.216	-51.675		5			04460000
052-	GRID	447	3.907	-0.210	-51.675		5			04470000
053-	GRID	448	5.860	-0.199	-51.675					04480000
054-	GRID	449	5.860	-1.699	-51.675		4			04490000
055-	GRID	450	5.860	-3.199	-51.675		4			04500000
056-	GRID	451	7.813	-0.183	-51.675		5			04510000
057-	GRID	452	9.766	-0.163	-51.675		5			04520000
058-	GRID	453	11.720	-0.139	-51.675		5			04530000
059-	GRID	454	13.673	-0.110	-51.675		5			04540000
060-	GRID	455	15.626	-0.077	-51.675		5			04550000
061-	GRID	456	17.579	-0.039	-51.675					04560000
062-	GRID	457	17.579	-1.539	-51.675		4			04570000
063-	GRID	458	17.579	-3.039	-51.675		4			04580000
064-	GRID	459	0.0	-0.170	-53.662					04590000
065-	GRID	460	1.967	-0.168	-53.662		5			04600000
066-	GRID	461	3.934	-0.161	-53.662		5			04610000
067-	GRID	462	5.901	-0.150	-53.662					04620000
068-	GRID	463	5.901	-1.650	-53.662		4			04630000
069-	GRID	464	5.901	-3.150	-53.662		4			04640000
070-	GRID	465	7.869	-0.134	-53.662		5			04650000
071-	GRID	466	9.836	-0.114	-53.662		5			04660000
072-	GRID	467	11.803	-0.089	-53.662		5			04670000
073-	GRID	468	13.770	-0.060	-53.662		5			04680000
074-	GRID	469	15.737	-0.027	-53.662		5			04690000
075-	GRID	470	17.704	0.011	-53.662					04700000
076-	GRID	471	17.704	-1.489	-53.662		4			04710000
077-	GRID	472	17.704	-2.989	-53.662		4			04720000
078-	GRID	473	0.0	-0.118	-55.650					04730000
079-	GRID	474	1.981	-0.115	-55.650		5			04740000
080-	GRID	475	3.962	-0.109	-55.650		5			04750000
081-	GRID	476	5.943	-0.097	-55.650					04760000
082-	GRID	477	5.943	-1.597	-55.650		4			04770000
083-	GRID	478	5.943	-3.097	-55.650		4			04780000
084-	GRID	479	7.924	-0.081	-55.650		5			04790000
085-	GRID	480	9.905	-0.061	-55.650		5			04800000
086-	GRID	481	11.886	-0.036	-55.650		5			04810000
087-	GRID	482	13.867	-0.006	-55.650		5			04820000
088-	GRID	483	15.848	0.028	-55.650		5			04830000
089-	GRID	484	17.829	0.067	-55.650					04840000
090-	GRID	485	17.829	-1.433	-55.650		4			04850000
091-	GRID	486	17.829	-2.933	-55.650		4			04860000
092-	GRID	487	0.0	-0.061	-57.637					04870000
093-	GRID	488	1.995	-0.059	-57.637		5			04880000
094-	GRID	489	3.990	-0.052	-57.637		5			04890000
095-	GRID	490	5.984	-0.040	-57.637					04900000
096-	GRID	491	5.984	-1.540	-57.637		4			04910000
097-	GRID	492	5.984	-3.040	-57.637		4			04920000
098-	GRID	493	7.979	-0.024	-57.637		5			04930000
099-	GRID	494	9.974	-0.003	-57.637		5			04940000
1000-	GRID	495	11.969	0.022	-57.637		5			04950000

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S O R T E D B U L K D A T A E C H O

CARD	1	2	3	4	5	6	7	8	9	10
1001-	GRID	496		13.964	0.052	-57.637		5		04960000
1002-	GRID	497		15.959	0.087	-57.637		5		04970000
1003-	GRID	498		17.953	0.126	-57.637				04980000
1004-	GRID	499		17.953	-1.374	-57.637		4		04990000
1005-	GRID	500		17.953	-2.874	-57.637		4		05000000
1006-	GRID	501		0.0	0.0	-59.625				05010000
1007-	GRID	502		2.009	0.002	-59.625				05020000
1008-	GRID	503		4.017	0.009	-59.625				05030000
1009-	GRID	504		6.026	0.021	-59.625				05040000
1010-	GRID	505		8.035	0.037	-59.625				05050000
1011-	GRID	506		10.043	0.058	-59.625				05060000
1012-	GRID	507		12.052	0.084	-59.625				05070000
1013-	GRID	508		14.061	0.115	-59.625				05080000
1014-	GRID	509		16.069	0.150	-59.625				05090000
1015-	GRID	510		18.078	0.189	-59.625				05100000
1016-	GRID	511		0.0	-1.500	-59.625				05110000
1017-	GRID	512		2.009	-1.498	-59.625		6		05120000
1018-	GRID	513		4.017	-1.491	-59.625		6		05130000
1019-	GRID	514		6.026	-1.479	-59.625				05140000
1020-	GRID	515		8.035	-1.463	-59.625		6		05150000
1021-	GRID	516		10.043	-1.442	-59.625		6		05160000
1022-	GRID	517		12.052	-1.416	-59.625		6		05170000
1023-	GRID	518		14.061	-1.385	-59.625		6		05180000
1024-	GRID	519		16.069	-1.350	-59.625		6		05190000
1025-	GRID	520		18.078	-1.311	-59.625				05200000
1026-	GRID	521		0.0	-3.000	-59.625				05210000
1027-	GRID	522		2.009	-2.998	-59.625		6		05220000
1028-	GRID	523		4.017	-2.991	-59.625		6		05230000
1029-	GRID	524		6.026	-2.979	-59.625				05240000
1030-	GRID	525		8.035	-2.963	-59.625		6		05250000
1031-	GRID	526		10.043	-2.942	-59.625		6		05260000
1032-	GRID	527		12.052	-2.916	-59.625		6		05270000
1033-	GRID	528		14.061	-2.885	-59.625		6		05280000
1034-	GRID	529		16.069	-2.850	-59.625		6		05290000
1035-	GRID	530		18.078	-2.811	-59.625				05300000
1036-	MAT1	100	10.5E66	4.0E66		2.510-4	13.7-6	.0		05310000
1037-	PQUAD2	100	100	.126						05320000
1038-	PQUAD2	101	100	.3125						05330000
1039-	PQUAD2	102	100	.1875						05340000
1040-	SPC1	1	2	30	530					05350000
1041-	SPC1	1	156	11	21	31	45	59		05360000
1042-	SPC1	1	156	73	173	273	373	473		05430000
1043-	SPC1	1	156	87	187	287	387	487		05410000
1044-	SPC1	1	156	101	111	121	131	145	159	05370000
1045-	SPC1	1	156	201	211	221	231	245	259	05380000
1046-	SPC1	1	156	301	311	321	331	345	359	05390000
1047-	SPC1	1	156	401	411	421	431	445	459	05400000
1048-	SPC1	1	156	501	511	521				05420000
1049-	SPC1	1	1356	1						05430100
1050-	TEMP	1	11	.9	12	.9	13	.9		00030000

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S O R T E D B U L K D A T A E C H O										
CARD	1	2	3	4	5	6	7	8	9	10
COUNT	..	..	..	..	..	..	..	..	..	..
1051-	TEMP	1	14	.9	15	.9	16	.9		00040000
1052-	TEMP	1	17	.9	18	.9	19	.9		00050000
1053-	TEMP	1	20	.9						00060000
1054-	TEMP	1	21	1.8	22	1.8	23	1.8		00270000
1055-	TEMP	1	24	1.8	25	1.8	26	1.8		00280000
1056-	TEMP	1	27	1.8	28	1.8	29	1.8		00290000
1057-	TEMP	1	30	1.8						00300000
1058-	TEMP	1	111	.9	112	.9	113	.9		00070000
1059-	TEMP	1	114	.9	115	.9	116	.9		00080000
1060-	TEMP	1	117	.9	118	.9	119	.9		00090000
1061-	TEMP	1	120	.9						00100000
1062-	TEMP	1	121	1.8	122	1.8	123	1.8		00310000
1063-	TEMP	1	124	1.8	125	1.8	126	1.8		00320000
1064-	TEMP	1	127	1.8	128	1.8	129	1.8		00330000
1065-	TEMP	1	130	1.8						00340000
1066-	TEMP	1	211	.9	212	.9	213	.9		00110000
1067-	TEMP	1	214	.9	215	.9	216	.9		00120000
1068-	TEMP	1	217	.9	218	.9	219	.9		00130000
1069-	TEMP	1	220	.9						00140000
1070-	TEMP	1	221	1.8	222	1.8	223	1.8		00350000
1071-	TEMP	1	224	1.8	225	1.8	226	1.8		00360000
1072-	TEMP	1	227	1.8	228	1.8	229	1.8		00370000
1073-	TEMP	1	230	1.8						00380000
1074-	TEMP	1	311	.9	312	.9	313	.9		00150000
1075-	TEMP	1	314	.9	315	.9	316	.9		00160000
1076-	TEMP	1	317	.9	318	.9	319	.9		00170000
1077-	TEMP	1	320	.9						00180000
1078-	TEMP	1	321	1.8	322	1.8	323	1.8		00390000
1079-	TEMP	1	324	1.8	325	1.8	326	1.8		00400000
1080-	TEMP	1	327	1.8	328	1.8	329	1.8		00410000
1081-	TEMP	1	330	1.8						00420000
1082-	TEMP	1	411	.9	412	.9	413	.9		00190000
1083-	TEMP	1	414	.9	415	.9	416	.9		00200000
1084-	TEMP	1	417	.9	418	.9	419	.9		00210000
1085-	TEMP	1	420	.9						00220000
1086-	TEMP	1	421	1.8	422	1.8	423	1.8		00430000
1087-	TEMP	1	424	1.8	425	1.8	426	1.8		00440000
1088-	TEMP	1	427	1.8	428	1.8	429	1.8		00450000
1089-	TEMP	1	430	1.8						00460000
1090-	TEMP	1	511	.9	512	.9	513	.9		00230000
1091-	TEMP	1	514	.9	515	.9	516	.9		00240000
1092-	TEMP	1	517	.9	518	.9	519	.9		00250000
1093-	TEMP	1	520	.9						00260000
1094-	TEMP	1	521	1.8	522	1.8	523	1.8		00470000
1095-	TEMP	1	524	1.8	525	1.8	526	1.8		00480000
1096-	TEMP	1	527	1.8	528	1.8	529	1.8		00490000
1097-	TEMP	1	530	1.8						00500000
1098-	TEMP	1	.0							00020000
1099-	TEMP1	1	1	.0	-0.07255					CTMP 12
1100-	TEMP12	2	THRU	270						00560000

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S O R T E D   B U L K   D A T A   E C H O  
CARD                                  .   1   ..   2   ..   3   ..   4   ..   5   ..   6   ..   7   ..   8   ..   9   ..   10   .  
COUNT                              ENDDATA

\*\*NO ERRORS FOUND - EXECUTE NASTRAN PROGRAM\*\*

*P. 38/61*



GRAVITY IN -Y DIRECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
1	G	0.0	-3.155032E-04	0.0	-9.684316E-05	0.0	0.0
2	G	-3.164025E-06	-3.112436E-04	-5.498565E-07	-9.591419E-05	4.821022E-07	5.016108E-06
3	G	-6.536735E-06	-2.984034E-04	-2.536679E-06	-9.404162E-05	1.882879E-06	1.136682E-05
4	G	-1.030931E-05	-2.768887E-04	-5.583767E-06	-9.331858E-05	-2.260882E-07	1.604414E-05
5	G	-1.394042E-05	-2.445099E-04	-5.090658E-06	-9.691087E-05	-1.148692E-06	2.274521E-05
6	G	-1.669428E-05	-2.048185E-04	-5.699236E-06	-1.020520E-04	-1.195622E-07	2.695819E-05
7	G	-1.876033E-05	-1.594317E-04	-7.629532E-06	-1.064944E-04	3.678697E-07	2.993655E-05
8	G	-2.027181E-05	-1.098561E-04	-1.082235E-05	-1.090960E-04	8.391261E-07	3.167629E-05
9	G	-2.130131E-05	-5.766141E-05	-1.537685E-05	-1.107686E-04	2.166078E-06	3.396939E-05
10	G	-2.192731E-05	-5.088914E-06	-2.093165E-05	-1.112444E-04	-2.204323E-07	3.115559E-05
11	G	0.0	-3.152685E-04	1.439340E-04	-9.529841E-05	0.0	0.0
12	G	4.702351E-06	-3.110312E-04	1.421884E-04	-9.472275E-05	1.972856E-06	0.0
13	G	9.285538E-06	-2.982684E-04	1.374597E-04	-9.288707E-05	3.071168E-06	0.0
14	G	1.358181E-05	-2.767870E-04	1.340453E-04	-9.317514E-05	-8.252861E-07	1.599030E-05
15	G	1.738901E-05	-2.444086E-04	1.391042E-04	-9.577534E-05	-5.395848E-06	0.0
16	G	2.058480E-05	-2.046690E-04	1.462101E-04	-1.007709E-04	-4.714847E-06	0.0
17	G	2.298647E-05	-1.592836E-04	1.507727E-04	-1.049328E-04	-2.857763E-06	0.0
18	G	2.448959E-05	-1.097291E-04	1.516880E-04	-1.078996E-04	-7.936828E-07	0.0
19	G	2.502740E-05	-5.743380E-05	1.491210E-04	-1.092124E-04	8.617332E-07	0.0
20	G	2.499833E-05	-4.134493E-06	1.458442E-04	-1.113521E-04	-1.093204E-06	3.165065E-05
21	G	0.0	-3.127244E-04	2.861596E-04	-9.458073E-05	0.0	0.0
22	G	1.261042E-05	-3.085039E-04	2.834797E-04	-9.400716E-05	3.088933E-06	0.0
23	G	2.514879E-05	-2.958481E-04	2.771283E-04	-9.304241E-05	3.416272E-06	0.0
24	G	3.749845E-05	-2.751709E-04	2.743590E-04	-9.379780E-05	-1.380587E-06	1.607031E-05
25	G	4.872026E-05	-2.424091E-04	2.824927E-04	-9.533000E-05	-8.894730E-06	0.0
26	G	5.791642E-05	-2.029858E-04	2.964227E-04	-9.986028E-05	-9.276529E-06	0.0
27	G	6.496136E-05	-1.580057E-04	3.074284E-04	-1.041899E-04	-6.392236E-06	0.0
28	G	6.985891E-05	-1.088370E-04	3.129989E-04	-1.074686E-04	-3.266025E-06	0.0
29	G	7.270974E-05	-5.653467E-05	3.141479E-04	-1.102844E-04	-1.972222E-06	0.0
30	G	7.395593E-05	0.0	3.145651E-04	-1.131274E-04	-1.895782E-06	3.325992E-05
31	G	0.0	-5.470382E-04	6.402265E-06	-1.266793E-04	0.0	0.0
32	G	-2.355211E-06	-5.336697E-04	5.481005E-06	-1.206509E-04	0.0	1.643287E-05
33	G	-4.711781E-06	-4.992615E-04	3.118452E-06	-1.067577E-04	0.0	2.566834E-05
34	G	-6.991203E-06	-4.643020E-04	-7.313861E-08	-9.669579E-05	-1.399445E-06	1.475285E-05
35	G	1.510163E-05	-4.642222E-04	1.389019E-04	0.0	1.991062E-07	1.646887E-05
36	G	3.734842E-05	-4.636857E-04	2.781819E-04	0.0	1.852404E-06	1.690953E-05
37	G	-8.962261E-06	-4.502470E-04	9.549367E-07	-1.091419E-04	0.0	5.313876E-06
38	G	-1.063195E-05	-4.368646E-04	1.089698E-06	-1.259996E-04	0.0	1.211825E-05
39	G	-1.204560E-05	-4.070301E-04	-2.143000E-07	-1.361474E-04	0.0	2.520393E-05
40	G	-1.329437E-05	-3.561156E-04	-3.298667E-06	-1.348988E-04	0.0	3.816155E-05
41	G	-1.443480E-05	-2.890725E-04	-8.247952E-06	-1.245793E-04	0.0	4.463608E-05
42	G	-1.521381E-05	-2.254970E-04	-1.424503E-05	-1.146490E-04	-2.885797E-06	3.204687E-05
43	G	3.222446E-05	-2.253132E-04	1.516992E-04	0.0	-3.024036E-06	3.803729E-05
44	G	7.969965E-05	-2.244765E-04	3.187940E-04	0.0	-1.775451E-06	3.874878E-05
45	G	0.0	-7.879997E-04	1.359901E-05	-1.117281E-04	0.0	0.0
46	G	-1.535877E-06	-7.631753E-04	1.243517E-05	-1.079256E-04	0.0	2.950410E-05
47	G	-3.090383E-06	-7.017786E-04	9.539160E-06	-9.931637E-05	0.0	4.261557E-05
48	G	-4.561573E-06	-6.498913E-04	6.067316E-06	-9.340534E-05	-5.061384E-07	1.280138E-05
49	G	1.460915E-05	-6.498136E-04	1.426688E-04	0.0	1.028684E-06	1.469216E-05
50	G	3.374567E-05	-6.489954E-04	2.793341E-04	0.0	2.791467E-06	1.469257E-05

DEFLECTIONS : GRAVITATIONAL LOAD  
 APPENDIX C  
 R.40/61

GRAVITY IN -Y DIRECTION

SUBCASE 1

DISPLACEMENT VECTOR

POINT NO.	TYPE	T1	T2	T3	R1	R2	R3
51	G	-5.602501E-06	-6.586816E-04	7.595029E-06	-1.016563E-04	0.0	-1.573247E-05
52	G	-6.327252E-06	-6.782582E-04	8.681098E-06	-1.143379E-04	0.0	-5.046690E-06
53	G	-7.056575E-06	-6.663152E-04	7.769570E-06	-1.226026E-04	0.0	2.069586E-05
54	G	-8.008507E-06	-6.111935E-04	4.515943E-06	-1.230590E-04	0.0	4.645692E-05
55	G	-9.158533E-06	-5.238459E-04	-9.070051E-07	-1.179096E-04	0.0	5.801731E-05
56	G	-9.993911E-06	-4.446544E-04	-7.511854E-06	-1.113364E-04	-1.084262E-06	3.247452E-05
57	G	3.756063E-05	-4.445196E-04	1.560256E-04	0.0	-3.712224E-07	3.807286E-05
58	G	8.357792E-05	-4.435056E-04	3.198416E-04	0.0	8.924077E-07	3.745333E-05
59	G	0.0	-9.867663E-04	1.994141E-05	-8.734196E-05	0.0	0.0
60	G	-9.410915E-07	-9.578266E-04	1.884763E-05	-8.788171E-05	0.0	3.406871E-05
61	G	-1.925407E-06	-8.869146E-04	1.580940E-05	-8.902168E-05	0.0	4.789019E-05
62	G	-2.959850E-06	-8.309712E-04	1.238649E-05	-9.009232E-05	-4.020688E-07	1.049243E-05
63	G	1.274699E-05	-8.308652E-04	1.449825E-04	0.0	1.421681E-06	1.225143E-05
64	G	2.830062E-05	-8.296836E-04	2.775672E-04	0.0	3.306245E-06	1.219414E-05
65	G	-3.445522E-06	-8.514200E-04	1.415149E-05	-9.165374E-05	0.0	-2.583522E-05
66	G	-3.610430E-06	-8.874033E-04	1.543993E-05	-9.482294E-05	0.0	-1.366190E-05
67	G	-3.901459E-06	-8.856026E-04	1.475713E-05	-9.858441E-05	0.0	1.714392E-05
68	G	-4.572479E-06	-8.315709E-04	1.159793E-05	-1.026018E-04	0.0	4.770570E-05
69	G	-5.567102E-06	-7.397695E-04	6.167648E-06	-1.065375E-04	0.0	6.049321E-05
70	G	-6.244888E-06	-6.588264E-04	-4.779478E-07	-1.079668E-04	-8.813698E-07	2.996907E-05
71	G	3.715795E-05	-6.586460E-04	1.583046E-04	0.0	2.525223E-06	3.480214E-05
72	G	7.852729E-05	-6.571545E-04	3.169968E-04	0.0	6.133989E-06	3.398239E-05
73	G	0.0	-1.133655E-03	2.527930E-05	-6.156387E-05	0.0	0.0
74	G	-6.189875E-07	-1.110009E-03	2.437194E-05	-6.642754E-05	0.0	2.771197E-05
75	G	-1.329687E-06	-1.051716E-03	2.180845E-05	-7.745602E-05	0.0	3.921016E-05
76	G	-1.962390E-06	-1.005742E-03	1.876148E-05	-8.537080E-05	-1.867708E-07	8.105707E-06
77	G	1.014854E-05	-1.005612E-03	1.459591E-04	0.0	1.676971E-06	9.816948E-06
78	G	2.203947E-05	-1.004098E-03	2.731367E-04	0.0	3.697828E-06	9.621410E-06
79	G	-2.212613E-06	-1.024449E-03	2.040558E-05	-8.027363E-05	0.0	-2.231500E-05
80	G	-2.217378E-06	-1.054994E-03	2.145306E-05	-7.320195E-05	0.0	-1.115457E-05
81	G	-2.239952E-06	-1.052908E-03	2.074118E-05	-7.190804E-05	0.0	1.459718E-05
82	G	-2.791984E-06	-1.007605E-03	1.781000E-05	-7.945721E-05	0.0	3.932453E-05
83	G	-3.427906E-06	-9.317980E-04	1.294170E-05	-9.257581E-05	0.0	4.934944E-05
84	G	-3.735902E-06	-8.655773E-04	6.668820E-06	-1.022624E-04	-5.089468E-07	2.389617E-05
85	G	3.068909E-05	-8.653749E-04	1.583863E-04	0.0	5.231100E-06	2.863133E-05
86	G	6.301912E-05	-8.634122E-04	3.098620E-04	0.0	1.125700E-05	2.755185E-05
87	G	0.0	-1.234224E-03	2.976804E-05	-4.384556E-05	-0.0	0.0
88	G	-5.037613E-07	-1.223513E-03	2.919624E-05	-5.091779E-05	0.0	1.313225E-05
89	G	-1.020091E-06	-1.196085E-03	2.744769E-05	-6.781946E-05	0.0	1.972113E-05
90	G	-1.453503E-06	-1.172421E-03	2.503427E-05	-8.058219E-05	4.686060E-08	5.871546E-06
91	G	7.166093E-06	-1.172269E-03	1.456445E-04	0.0	1.635987E-06	7.334191E-06
92	G	1.547013E-05	-1.170504E-03	2.662437E-04	0.0	3.134205E-06	7.056665E-06
93	G	-1.724869E-06	-1.175705E-03	2.624649E-05	-6.989689E-05	0.0	-7.001603E-06
94	G	-1.900325E-06	-1.181585E-03	2.660840E-05	-5.645258E-05	0.0	-1.771387E-07
95	G	-2.110045E-06	-1.171564E-03	2.573812E-05	-5.265101E-05	0.0	1.187011E-05
96	G	-2.385045E-06	-1.142519E-03	2.332851E-05	-6.225474E-05	0.0	2.303651E-05
97	G	-2.605128E-06	-1.100114E-03	1.940769E-05	-8.101032E-05	0.0	2.795072E-05
98	G	-2.381213E-06	-1.062152E-03	1.410203E-05	-9.634989E-05	-4.163495E-08	1.537226E-05
99	G	1.953451E-05	-1.061973E-03	1.565535E-04	0.0	6.663909E-06	2.012700E-05
100	G	4.010172E-05	-1.059620E-03	2.987601E-04	0.0	1.240894E-05	1.912803E-05

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GRAVITY IN -Y DIRECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
101	G	0.0	-1.342039E-03	3.453923E-05	-7.551325E-05	0.0	0.0
102	G	-4.848102E-07	-1.340595E-03	3.420448E-05	-7.542547E-05	2.481512E-07	1.464349E-06
103	G	-9.226491E-07	-1.336331E-03	3.301197E-05	-7.534004E-05	9.841515E-07	3.998508E-06
104	G	-1.304098E-06	-1.329499E-03	3.110476E-05	-7.561446E-05	-1.775247E-07	4.669512E-06
105	G	-1.689747E-06	-1.319845E-03	3.187751E-05	-7.687871E-05	-1.235536E-06	5.963670E-06
106	G	-2.042719E-06	-1.308042E-03	3.193643E-05	-7.941750E-05	-4.700437E-07	7.872974E-06
107	G	-2.357256E-06	-1.294272E-03	3.098183E-05	-8.227245E-05	-1.530590E-07	8.761841E-06
108	G	-2.556993E-06	-1.278898E-03	2.906003E-05	-8.480489E-05	1.900071E-07	9.264005E-06
109	G	-2.557187E-06	-1.262487E-03	2.598569E-05	-8.673585E-05	1.165631E-06	1.069824E-05
110	G	-2.249371E-06	-1.245896E-03	2.193952E-05	-8.782760E-05	-1.669822E-07	8.943678E-06
111	G	0.0	-1.341802E-03	1.477167E-04	-7.539368E-05	0.0	0.0
112	G	1.914974E-06	-1.340360E-03	1.472398E-04	-7.535602E-05	4.794030E-07	0.0
113	G	3.781922E-06	-1.336099E-03	1.457063E-04	-7.493846E-05	9.078764E-07	0.0
114	G	5.627264E-06	-1.329308E-03	1.442104E-04	-7.538217E-05	-1.355476E-07	4.627859E-06
115	G	7.297054E-06	-1.319639E-03	1.466678E-04	-7.633805E-05	-3.142585E-06	0.0
116	G	8.682522E-06	-1.307853E-03	1.508769E-04	-7.924247E-05	-3.076709E-06	0.0
117	G	9.803343E-06	-1.294101E-03	1.541893E-04	-8.202183E-05	-2.504577E-06	0.0
118	G	1.061905E-05	-1.278744E-03	1.560399E-04	-8.460940E-05	-1.692756E-06	0.0
119	G	1.107264E-05	-1.262324E-03	1.558284E-04	-8.628187E-05	-5.228225E-07	0.0
120	G	1.131991E-05	-1.245708E-03	1.534654E-04	-8.763713E-05	5.953127E-07	9.116843E-06
121	G	0.0	-1.340915E-03	2.607552E-04	-7.535105E-05	0.0	0.0
122	G	4.329824E-06	-1.339481E-03	2.601189E-04	-7.524822E-05	6.681800E-07	0.0
123	G	8.543136E-06	-1.335192E-03	2.583398E-04	-7.508855E-05	7.782352E-07	0.0
124	G	1.258725E-05	-1.327824E-03	2.571805E-04	-7.529887E-05	-9.808446E-08	4.629165E-06
125	G	1.627646E-05	-1.318860E-03	2.610325E-04	-7.605208E-05	-4.973727E-06	0.0
126	G	1.945281E-05	-1.307229E-03	2.693618E-04	-7.889210E-05	-5.840014E-06	0.0
127	G	2.205955E-05	-1.293598E-03	2.771139E-04	-8.191893E-05	-5.086808E-06	0.0
128	G	2.400929E-05	-1.278368E-03	2.829081E-04	-8.462602E-05	-3.869477E-06	0.0
129	G	2.523215E-05	-1.261931E-03	2.858411E-04	-8.685513E-05	-2.276965E-06	0.0
130	G	2.588633E-05	-1.243683E-03	2.848657E-04	-8.765748E-05	1.276434E-06	9.981261E-06
131	G	0.0	-1.538369E-03	4.107827E-05	-1.108300E-04	0.0	0.0
132	G	-1.162464E-07	-1.526959E-03	4.052425E-05	-1.034632E-04	0.0	1.353941E-05
133	G	-2.367864E-07	-1.498553E-03	3.904750E-05	-8.611719E-05	0.0	1.957480E-05
134	G	-2.706155E-07	-1.476222E-03	3.701348E-05	-7.321379E-05	-5.461906E-07	3.902516E-06
135	G	5.662915E-06	-1.475996E-03	1.414947E-04	0.0	2.571818E-07	5.346488E-06
136	G	1.164795E-05	-1.473631E-03	2.457628E-04	0.0	1.081071E-06	5.508561E-06
137	G	-1.333449E-07	-1.485211E-03	3.814526E-05	-8.711028E-05	0.0	-1.175861E-05
138	G	1.281253E-07	-1.501849E-03	3.858849E-05	-1.069488E-04	0.0	-7.307593E-06
139	G	3.537964E-07	-1.503978E-03	3.801480E-05	-1.178481E-04	0.0	4.950113E-06
140	G	4.834152E-07	-1.484623E-03	3.618235E-05	-1.140023E-04	0.0	1.826111E-05
141	G	6.090335E-07	-1.447357E-03	3.325957E-05	-9.835021E-05	0.0	2.575322E-05
142	G	1.168853E-06	-1.413540E-03	2.977542E-05	-8.288422E-05	-2.012501E-06	1.149331E-05
143	G	1.736847E-05	-1.413298E-03	1.497869E-04	0.0	-4.161855E-06	1.528450E-05
144	G	3.278494E-05	-1.410263E-03	2.695345E-04	0.0	-5.202423E-06	1.497567E-05
145	G	0.0	-1.743336E-03	4.779935E-05	-9.042032E-05	0.0	0.0
146	G	2.275361E-07	-1.717796E-03	4.709049E-05	-8.532255E-05	0.0	2.880719E-05
147	G	3.583550E-07	-1.655550E-03	4.524508E-05	-7.379096E-05	0.0	4.012430E-05
148	G	5.370270E-07	-1.610545E-03	4.295973E-05	-6.490831E-05	-3.025723E-07	3.073050E-06
149	G	5.173661E-06	-1.610259E-03	1.375420E-04	0.0	4.970795E-07	4.431912E-06
150	G	9.862267E-06	-1.607550E-03	2.319587E-04	0.0	1.364053E-06	4.438871E-06

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GRAVITY IN -Y DIRECTION

SUBCASE 1

DISPLACEMENT VECTOR

POINT NO.	TYPE	T1	T2	T3	R1	R2	R3
151	G	1.182498E-06	-1.645659E-03	4.442791E-05	-7.420775E-05	0.0	-3.481597E-05
152	G	2.122606E-06	-1.700480E-03	4.543002E-05	-8.820886E-05	0.0	-2.538878E-05
153	G	2.913505E-06	-1.721437E-03	4.515848E-05	-9.624904E-05	0.0	2.114564E-06
154	G	3.276227E-06	-1.692443E-03	4.346832E-05	-9.389866E-05	0.0	3.107736E-05
155	G	3.282142E-06	-1.624127E-03	4.054325E-05	-8.404521E-05	0.0	4.533544E-05
156	G	3.619662E-06	-1.565006E-03	3.710190E-05	-7.288938E-05	-7.473504E-07	1.493833E-05
157	G	2.453357E-05	-1.564686E-03	1.449031E-04	0.0	-2.052753E-06	1.783212E-05
158	G	4.345090E-05	-1.561358E-03	2.524045E-04	0.0	-3.206479E-06	1.694255E-05
159	G	0.0	-1.890393E-03	5.358098E-05	-5.631798E-05	0.0	0.0
160	G	4.390479E-07	-1.859036E-03	5.287959E-05	-5.653473E-05	0.0	3.491624E-05
161	G	7.493208E-07	-1.783455E-03	5.105937E-05	-5.701242E-05	0.0	4.768382E-05
162	G	1.135884E-06	-1.730749E-03	4.895091E-05	-5.687797E-05	-2.772578E-07	2.000268E-06
163	G	4.240613E-06	-1.730431E-03	1.325677E-04	0.0	5.351433E-07	3.233324E-06
164	G	7.359657E-06	-1.727461E-03	2.160784E-04	0.0	1.347134E-06	3.263160E-06
165	G	2.095826E-06	-1.777697E-03	5.042116E-05	-5.689204E-05	0.0	-4.484535E-05
166	G	3.425527E-06	-1.849240E-03	5.151491E-05	-5.852057E-05	0.0	-3.304891E-05
167	G	4.505152E-06	-1.878303E-03	5.144838E-05	-6.035391E-05	0.0	9.558098E-07
168	G	5.011681E-06	-1.845401E-03	4.997441E-05	-6.252044E-05	0.0	3.605061E-05
169	G	4.967485E-06	-1.765840E-03	4.723656E-05	-6.465378E-05	0.0	5.167171E-05
170	G	5.264147E-06	-1.699152E-03	4.406918E-05	-6.387066E-05	-6.819079E-07	1.545201E-05
171	G	2.658356E-05	-1.698795E-03	1.386465E-04	0.0	1.024521E-06	1.737331E-05
172	G	4.586510E-05	-1.695255E-03	2.329489E-04	0.0	2.722537E-06	1.657382E-05
173	G	0.0	-1.966154E-03	5.853910E-05	-2.114769E-05	0.0	0.0
174	G	5.417220E-07	-1.940638E-03	5.799561E-05	-2.679601E-05	0.0	2.829589E-05
175	G	1.001423E-06	-1.878767E-03	5.655494E-05	-3.950746E-05	0.0	3.895967E-05
176	G	1.542845E-06	-1.835652E-03	5.475948E-05	-4.799923E-05	-1.871597E-07	1.223348E-06
177	G	3.434697E-06	-1.835313E-03	1.265075E-04	0.0	5.207484E-07	2.303721E-06
178	G	5.400317E-06	-1.832130E-03	1.982317E-04	0.0	1.282121E-06	2.283223E-06
179	G	2.590673E-06	-1.876107E-03	5.602988E-05	-3.898992E-05	0.0	-3.796027E-05
180	G	3.869435E-06	-1.936200E-03	5.694811E-05	-2.740302E-05	0.0	-2.708667E-05
181	G	4.956948E-06	-1.959574E-03	5.685323E-05	-2.269071E-05	0.0	1.115030E-06
182	G	5.571508E-06	-1.932567E-03	5.568611E-05	-2.925607E-05	0.0	2.907003E-05
183	G	5.790092E-06	-1.868327E-03	5.351291E-05	-4.345331E-05	0.0	4.133779E-05
184	G	6.232934E-06	-1.815132E-03	5.079534E-05	-5.350969E-05	-4.806300E-07	1.149013E-05
185	G	2.198895E-05	-1.814759E-03	1.310445E-04	0.0	4.105133E-06	1.315944E-05
186	G	3.556434E-05	-1.811042E-03	2.110582E-04	0.0	9.001848E-06	1.214187E-05
187	G	0.0	-1.980087E-03	6.298264E-05	2.286163E-06	0.0	0.0
188	G	5.333339E-07	-1.969384E-03	6.266442E-05	-5.779887E-06	0.0	1.249124E-05
189	G	1.089557E-06	-1.942848E-03	6.178464E-05	-2.482440E-05	0.0	1.787776E-05
190	G	1.785081E-06	-1.924031E-03	6.052079E-05	-3.871170E-05	-1.074413E-07	5.218521E-07
191	G	2.594696E-06	-1.923726E-03	1.196470E-04	0.0	4.073063E-07	1.357869E-06
192	G	3.346899E-06	-1.920488E-03	1.788606E-04	0.0	9.484843E-07	1.305888E-06
193	G	2.692648E-06	-1.941497E-03	6.138966E-05	-2.397105E-05	0.0	-1.737688E-05
194	G	3.631941E-06	-1.966486E-03	6.183902E-05	-5.104819E-06	0.0	-1.130915E-05
195	G	4.437265E-06	-1.974800E-03	6.165812E-05	2.151757E-06	0.0	1.289178E-06
196	G	5.077532E-06	-1.962166E-03	6.083361E-05	-6.584803E-06	0.0	1.319790E-05
197	G	5.683356E-06	-1.934452E-03	5.938651E-05	-2.660150E-05	0.0	1.853069E-05
198	G	6.662593E-06	-1.911906E-03	5.737189E-05	-4.297601E-05	1.397149E-07	4.814287E-06
199	G	1.275408E-05	-1.911562E-03	1.223640E-04	0.0	5.397525E-06	6.348626E-06
200	G	1.773272E-05	-1.907779E-03	1.872676E-04	0.0	9.417961E-06	5.626813E-06

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GRAVITY IN -Y DIRECTION

SUBCASE 1

DISPLACEMENT VECTOR

POINT NO.	TYPE	T1	T2	T3	R1	R2	R3
201	G	0.0	-1.996853E-03	6.757697E-05	-3.126141E-05	0.0	0.0
202	G	4.898253E-07	-1.996558E-03	6.741691E-05	-3.114437E-05	8.352913E-08	2.020705E-07
203	G	1.099739E-06	-1.995803E-03	6.692774E-05	-3.092119E-05	3.700554E-07	1.307032E-06
204	G	1.892453E-06	-1.995026E-03	6.616801E-05	-3.079312E-05	-1.106948E-07	3.966004E-07
205	G	2.689446E-06	-1.994336E-03	6.663625E-05	-3.102806E-05	-5.763469E-07	-4.531246E-07
206	G	3.332171E-06	-1.993689E-03	6.676851E-05	-3.178940E-05	-2.675595E-07	5.410687E-07
207	G	3.875887E-06	-1.992719E-03	6.653258E-05	-3.263824E-05	-1.808291E-07	6.520488E-07
208	G	4.423699E-06	-1.991355E-03	6.598860E-05	-3.319903E-05	-9.361804E-08	7.167614E-07
209	G	5.081877E-06	-1.989789E-03	6.509597E-05	-3.331195E-05	1.663842E-07	1.723237E-06
210	G	5.914921E-06	-1.988649E-03	6.388244E-05	-3.303430E-05	-2.107247E-07	1.048261E-07
211	G	0.0	-1.996642E-03	1.143383E-04	-3.110674E-05	0.0	0.0
212	G	7.872247E-07	-1.996342E-03	1.140086E-04	-3.101985E-05	2.983060E-07	0.0
213	G	1.546465E-06	-1.995550E-03	1.130929E-04	-3.066972E-05	5.271976E-07	0.0
214	G	2.453956E-06	-1.994752E-03	1.122449E-04	-3.070722E-05	-7.298684E-08	3.879408E-07
215	G	3.340226E-06	-1.994085E-03	1.130596E-04	-3.088619E-05	-1.055544E-06	0.0
216	G	4.036937E-06	-1.993479E-03	1.143952E-04	-3.173437E-05	-9.953719E-07	0.0
217	G	4.711652E-06	-1.992523E-03	1.153241E-04	-3.244303E-05	-7.284381E-07	0.0
218	G	5.312899E-06	-1.991171E-03	1.155274E-04	-3.292806E-05	-3.093575E-07	0.0
219	G	5.769870E-06	-1.989576E-03	1.147621E-04	-3.296399E-05	1.746577E-07	0.0
220	G	6.276595E-06	-1.988329E-03	1.133167E-04	-3.292762E-05	1.544541E-07	3.829906E-07
221	G	0.0	-1.996371E-03	1.609321E-04	-3.104375E-05	0.0	0.0
222	G	1.126333E-06	-1.996072E-03	1.604212E-04	-3.092237E-05	5.083412E-07	0.0
223	G	2.173730E-06	-1.995160E-03	1.591157E-04	-3.064393E-05	6.511968E-07	0.0
224	G	3.029015E-06	-1.992827E-03	1.582334E-04	-3.064459E-05	-3.910520E-08	3.512147E-07
225	G	3.865089E-06	-1.993714E-03	1.593845E-04	-3.082861E-05	-1.530974E-06	0.0
226	G	4.722845E-06	-1.993248E-03	1.618764E-04	-3.162774E-05	-1.722276E-06	0.0
227	G	5.613254E-06	-1.992313E-03	1.639050E-04	-3.236302E-05	-1.268278E-06	0.0
228	G	6.438505E-06	-1.990983E-03	1.647919E-04	-3.282361E-05	-5.618562E-07	0.0
229	G	7.148363E-06	-1.989210E-03	1.642654E-04	-3.300078E-05	6.665914E-08	0.0
230	G	7.972168E-06	-1.985498E-03	1.627575E-04	-3.301448E-05	4.927745E-07	1.434082E-06
231	G	0.0	-2.108710E-03	7.272040E-05	-6.875460E-05	0.0	0.0
232	G	6.228331E-07	-2.097151E-03	7.258554E-05	-6.029438E-05	0.0	1.318016E-05
233	G	1.271557E-06	-2.068326E-03	7.224313E-05	-3.983393E-05	0.0	1.916764E-05
234	G	2.065381E-06	-2.047923E-03	7.174475E-05	-2.388188E-05	-1.312831E-07	4.682447E-07
235	G	2.794667E-06	-2.047579E-03	1.043541E-04	0.0	-1.409105E-07	9.044933E-07
236	G	3.463091E-06	-2.044103E-03	1.367262E-04	0.0	-1.792436E-07	9.137929E-07
237	G	3.119031E-06	-2.066593E-03	7.202676E-05	-3.884063E-05	0.0	-1.842948E-05
238	G	4.202987E-06	-2.095771E-03	7.217482E-05	-6.050113E-05	0.0	-1.404801E-05
239	G	5.153594E-06	-2.109338E-03	7.204380E-05	-7.156548E-05	0.0	-1.237967E-06
240	G	5.902776E-06	-2.099633E-03	7.162119E-05	-6.533670E-05	0.0	1.266578E-05
241	G	6.541127E-06	-2.070056E-03	7.101406E-05	-4.505485E-05	0.0	2.092347E-05
242	G	7.534939E-06	-2.044579E-03	7.041807E-05	-2.470822E-05	-1.031924E-06	4.700702E-06
243	G	1.343987E-05	-2.044197E-03	1.046336E-04	0.0	-5.046427E-06	4.851515E-06
244	G	1.828026E-05	-2.040192E-03	1.386441E-04	0.0	-7.845568E-06	4.311833E-06
245	G	0.0	-2.226857E-03	7.773889E-05	-4.447652E-05	0.0	0.0
246	G	7.571226E-07	-2.199171E-03	7.769317E-05	-3.875318E-05	0.0	3.012930E-05
247	G	1.377784E-06	-2.130316E-03	7.744833E-05	-2.444368E-05	0.0	4.237743E-05
248	G	2.123621E-06	-2.082295E-03	7.719184E-05	-1.326737E-05	-6.201799E-08	6.864079E-07
249	G	3.186732E-06	-2.081881E-03	9.593212E-05	0.0	6.628671E-09	1.002255E-06
250	G	4.403923E-06	-2.078226E-03	1.145774E-04	0.0	-2.832807E-08	1.096561E-06

*P. 24/61*

GRAVITY IN -Y DIRECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT NO.	TYPE	T1	T2	T3	R1	R2	R3
251	G	3.488537E-06	-2.128866E-03	7.736715E-05	-2.299475E-05	0.0	-4.214434E-05
252	G	5.139857E-06	-2.199270E-03	7.747607E-05	-3.814031E-05	0.0	-3.207647E-05
253	G	6.512729E-06	-2.231702E-03	7.745434E-05	-4.576345E-05	0.0	-2.680024E-06
254	G	7.318981E-06	-2.207574E-03	7.725329E-05	-4.102766E-05	0.0	2.881118E-05
255	G	7.565389E-06	-2.138078E-03	7.692476E-05	-2.755027E-05	0.0	4.476098E-05
256	G	8.140416E-06	-2.079400E-03	7.667170E-05	-1.279147E-05	-1.765372E-07	1.072029E-05
257	G	2.245212E-05	-2.078959E-03	9.554478E-05	0.0	-2.907747E-06	9.657658E-06
258	G	3.468373E-05	-2.074801E-03	1.142641E-04	0.0	-5.723467E-06	8.715627E-06
259	G	0.0	-2.277931E-03	8.245313E-05	-5.880887E-06	0.0	0.0
260	G	7.624994E-07	-2.242869E-03	8.250104E-05	-4.634050E-06	0.0	3.739126E-05
261	G	1.352018E-06	-2.156927E-03	8.253078E-05	-4.354235E-06	0.0	5.183574E-05
262	G	2.055220E-06	-2.097918E-03	8.257573E-05	-3.122849E-06	3.012132E-08	5.969615E-07
263	G	2.990120E-06	-2.097491E-03	8.734911E-05	0.0	3.045652E-07	7.114594E-07
264	G	3.987552E-06	-2.093815E-03	9.213469E-05	0.0	7.678102E-07	7.421497E-07
265	G	3.555605E-06	-2.156031E-03	8.258462E-05	-2.214894E-06	0.0	-5.206672E-05
266	G	5.365762E-05	-2.243564E-03	8.259428E-05	-2.601768E-06	0.0	-3.898781E-05
267	G	6.890811E-06	-2.281921E-03	8.261038E-05	-2.938930E-06	0.0	-1.735329E-06
268	G	7.636161E-06	-2.249471E-03	8.264338E-05	-3.495091E-06	0.0	3.627039E-05
269	G	7.688403E-06	-2.163651E-03	8.270958E-05	-4.369436E-06	0.0	5.360176E-05
270	G	8.040438E-06	-2.092908E-03	8.280454E-05	-2.014277E-06	-2.408030E-08	1.298878E-05
271	G	2.545738E-05	-2.092452E-03	8.589121E-05	0.0	5.612978E-07	1.088872E-05
272	G	4.057032E-05	-2.088253E-03	8.888809E-05	0.0	1.337432E-06	9.960787E-06
273	G	0.0	-2.246350E-03	8.691542E-05	3.771402E-05	0.0	0.0
274	G	5.873150E-07	-2.215356E-03	8.729690E-05	3.136262E-05	0.0	3.200960E-05
275	G	1.183117E-06	-2.143758E-03	8.756653E-05	1.677737E-05	0.0	4.276317E-05
276	G	1.834893E-06	-2.094790E-03	8.791185E-05	6.867122E-06	6.603682E-08	5.597077E-07
277	G	2.765177E-06	-2.094368E-03	7.876039E-05	0.0	2.215673E-08	5.200696E-07
278	G	3.688357E-06	-2.090727E-03	6.972651E-05	0.0	-1.371837E-07	4.933332E-07
279	G	3.151926E-06	-2.143160E-03	8.776183E-05	1.887539E-05	0.0	-4.281677E-05
280	G	4.744580E-06	-2.213930E-03	8.765694E-05	3.408120E-05	0.0	-3.057707E-05
281	G	6.041440E-06	-2.242779E-03	8.773150E-05	4.103182E-05	0.0	-3.219341E-08
282	G	6.733952E-06	-2.214156E-03	8.801909E-05	3.471578E-05	0.0	3.038195E-05
283	G	6.873312E-06	-2.143047E-03	8.848621E-05	1.978631E-05	0.0	4.383353E-05
284	G	7.440424E-06	-2.085012E-03	8.894474E-05	9.404222E-06	1.001466E-07	1.072126E-05
285	G	2.189986E-05	-2.084565E-03	7.578581E-05	0.0	3.315946E-06	8.449646E-06
286	G	3.419901E-05	-2.080364E-03	6.262059E-05	0.0	6.358544E-06	7.419944E-06
287	G	0.0	-2.137690E-03	9.211288E-05	6.453476E-05	0.0	0.0
288	G	4.088775E-07	-2.125312E-03	9.220954E-05	5.449465E-05	0.0	1.376005E-05
289	G	8.538499E-07	-2.094601E-03	9.262975E-05	3.276684E-05	0.0	1.956087E-05
290	G	1.469023E-06	-2.073050E-03	9.320167E-05	1.746220E-05	2.096375E-07	1.069586E-06
291	G	3.092720E-06	-2.072693E-03	7.032875E-05	0.0	-7.238322E-08	8.073196E-07
292	G	4.885796E-06	-2.069243E-03	4.771035E-05	0.0	-3.545262E-07	8.957190E-07
293	G	2.395834E-06	-2.092079E-03	9.296463E-05	3.537427E-05	0.0	-1.866701E-05
294	G	3.342510E-06	-2.120105E-03	9.285597E-05	5.790216E-05	0.0	-1.208096E-05
295	G	4.124012E-06	-2.129074E-03	9.309365E-05	6.749225E-05	0.0	1.601741E-06
296	G	4.696667E-06	-2.114371E-03	9.357845E-05	5.903453E-05	0.0	1.460479E-05
297	G	5.185061E-06	-2.082171E-03	9.435324E-05	3.784329E-05	0.0	2.058293E-05
298	G	6.077965E-06	-2.055648E-03	9.520023E-05	2.123220E-05	1.041642E-06	6.006190E-06
299	G	1.386317E-05	-2.055255E-03	6.553046E-05	0.0	5.059526E-06	3.567491E-06
300	G	2.089766E-05	-2.051165E-03	3.605125E-05	0.0	7.898762E-06	3.121905E-06

7.45/61

GRAVITY IN -Y DIRECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
301	G	0.0	-2.038136E-03	9.691944E-05	2.315363E-05	0.0	0.0
302	G	1.700529E-07	-2.037460E-03	9.707961E-05	2.329062E-05	-9.497916E-08	8.524055E-07
303	G	4.724207E-07	-2.035577E-03	9.762011E-05	2.362022E-05	-4.620767E-07	2.321331E-06
304	G	9.766527E-07	-2.032985E-03	9.850474E-05	2.414953E-05	9.277818E-08	1.481855E-06
305	G	1.522736E-06	-2.029823E-03	9.812685E-05	2.489102E-05	4.715869E-07	8.536750E-07
306	G	1.913419E-06	-2.026136E-03	9.803011E-05	2.595659E-05	2.020985E-07	2.186297E-06
307	G	2.212101E-06	-2.021607E-03	9.838289E-05	2.700361E-05	9.902180E-08	2.682597E-06
308	G	2.532050E-06	-2.016232E-03	9.909342E-05	2.809381E-05	-5.426401E-09	3.131642E-06
309	G	3.002078E-06	-2.010331E-03	1.001863E-04	2.937973E-05	-3.598831E-07	4.316962E-06
310	G	3.702313E-06	-2.004690E-03	1.017110E-04	3.061058E-05	1.580547E-07	2.439087E-06
311	G	0.0	-2.037938E-03	6.202834E-05	2.332179E-05	0.0	0.0
312	G	1.052657E-06	-2.037258E-03	6.203583E-05	2.343666E-05	2.129285E-08	0.0
313	G	2.065765E-06	-2.035341E-03	6.217659E-05	2.358820E-05	-5.991103E-08	0.0
314	G	3.206922E-06	-2.032706E-03	6.239577E-05	2.405880E-05	9.629537E-08	1.473792E-06
315	G	4.300293E-06	-2.029586E-03	6.111445E-05	2.455138E-05	1.313393E-06	0.0
316	G	5.170300E-06	-2.025938E-03	5.927627E-05	2.582496E-05	1.174712E-06	0.0
317	G	5.974483E-06	-2.021421E-03	5.784798E-05	2.702940E-05	1.009912E-06	0.0
318	G	6.648444E-06	-2.016061E-03	5.676805E-05	2.831823E-05	9.734358E-07	0.0
319	G	7.119384E-06	-2.010128E-03	5.587298E-05	2.955167E-05	8.797284E-07	0.0
320	G	7.596421E-06	-2.004354E-03	5.581003E-05	3.061870E-05	4.038027E-08	2.696165E-06
321	G	0.0	-2.037537E-03	2.696434E-05	2.340497E-05	0.0	0.0
322	G	1.967028E-06	-2.036862E-03	2.685194E-05	2.348234E-05	1.514998E-07	0.0
323	G	3.784402E-06	-2.034848E-03	2.663443E-05	2.372626E-05	2.757150E-07	0.0
324	G	5.436958E-06	-2.030774E-03	2.639054E-05	2.398844E-05	1.025240E-07	1.507246E-06
325	G	6.956706E-06	-2.029132E-03	2.442200E-05	2.433901E-05	2.104514E-06	0.0
326	G	8.412560E-06	-2.025621E-03	2.071382E-05	2.565823E-05	2.282326E-06	0.0
327	G	9.796551E-06	-2.021140E-03	1.728612E-05	2.704329E-05	2.098792E-06	0.0
328	G	1.098179E-05	-2.015824E-03	1.415480E-05	2.845624E-05	2.109929E-06	0.0
329	G	1.189919E-05	-2.005746E-03	1.127397E-05	2.984059E-05	1.903862E-06	0.0
330	G	1.277671E-05	-2.001460E-03	1.017108E-05	3.036486E-05	-7.610049E-08	3.818614E-06
331	G	0.0	-2.047895E-03	1.009692E-04	-1.935121E-05	0.0	0.0
332	G	1.472586E-07	-2.034802E-03	1.013252E-04	-9.809633E-06	0.0	1.448789E-05
333	G	2.998942E-07	-2.001177E-03	1.023594E-04	1.333244E-05	0.0	2.183810E-05
334	G	5.979157E-07	-1.975319E-03	1.038246E-04	3.197696E-05	1.409651E-07	2.678967E-06
335	G	4.432311E-06	-1.974987E-03	5.500126E-05	0.0	-8.508181E-07	1.838913E-06
336	G	8.063013E-06	-1.971792E-03	6.098606E-06	0.0	-1.761224E-06	1.613489E-06
337	G	1.249242E-06	-1.990579E-03	1.030290E-04	1.737727E-05	0.0	-1.581163E-05
338	G	1.928425E-06	-2.014667E-03	1.026640E-04	-3.673654E-06	0.0	-1.009354E-05
339	G	2.459442E-06	-2.021461E-03	1.029606E-04	-1.359056E-05	0.0	2.649590E-06
340	G	2.795566E-06	-2.004412E-03	1.040269E-04	-5.513682E-06	0.0	1.625597E-05
341	G	3.022881E-06	-1.966536E-03	1.058771E-04	1.701311E-05	0.0	2.507982E-05
342	G	3.655942E-06	-1.932228E-03	1.084714E-04	4.004825E-05	-1.463539E-07	9.098315E-06
343	G	1.588344E-05	-1.931840E-03	4.742727E-05	0.0	-5.818254E-06	5.114273E-06
344	G	2.682162E-05	-1.927895E-03	-1.360210E-05	0.0	-1.020259E-05	4.232377E-06
345	G	0.0	-2.068313E-03	1.046837E-04	4.762956E-06	0.0	0.0
346	G	1.048777E-07	-2.036903E-03	1.053134E-04	1.168405E-05	0.0	3.236094E-05
347	G	6.406975E-08	-1.958678E-03	1.070378E-04	2.769768E-05	0.0	4.665225E-05
348	G	9.762005E-08	-1.900601E-03	1.091546E-04	4.111367E-05	1.794395E-07	4.049231E-06
349	G	6.071653E-06	-1.900233E-03	4.810466E-05	0.0	-7.642559E-07	3.066725E-06
350	G	1.181089E-05	-1.897102E-03	-1.291378E-05	0.0	-1.810775E-06	2.954126E-06

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GRAVITY IN -Y DIPECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
351	G	8.623912E-07	-1.941814E-03	1.079107E-04	3.258002E-05	0.0	-3.732428E-05
352	G	1.934214E-06	-2.004545E-03	1.070988E-04	1.908645E-05	0.0	-2.546988E-05
353	G	2.702641E-06	-2.027447E-03	1.073415E-04	1.321047E-05	0.0	2.585291E-06
354	G	2.906138E-06	-1.993314E-03	1.088919E-04	1.863351E-05	0.0	3.292983E-05
355	G	2.519567E-06	-1.911702E-03	1.116985E-04	3.366455E-05	0.0	5.042859E-05
356	G	2.513396E-06	-1.838916E-03	1.151850E-04	5.121807E-05	4.765257E-07	1.705090E-05
357	G	2.622885E-05	-1.838494E-03	3.964444E-05	0.0	-3.940168E-06	1.188932E-05
358	G	4.751743E-05	-1.834589E-03	-3.587059E-05	0.0	-8.570040E-06	1.076601E-05
359	G	0.0	-2.018177E-03	1.088885E-04	4.743862E-05	0.0	0.0
360	G	-6.295325E-08	-1.978822E-03	1.097105E-04	4.746740E-05	0.0	4.000423E-05
361	G	-3.290143E-07	-1.881732E-03	1.119258E-04	4.780490E-05	0.0	5.695298E-05
362	G	-5.849536E-07	-1.809907E-03	1.145537E-04	4.956590E-05	2.701618E-07	5.521051E-06
363	G	7.556402E-06	-1.809554E-03	4.207535E-05	0.0	-6.035891E-07	4.400235E-06
364	G	1.565012E-05	-1.806640E-03	-3.029397E-05	0.0	-1.574525E-06	4.356302E-06
365	G	7.665295E-08	-1.859418E-03	1.130439E-04	5.711068E-05	0.0	-4.477693E-05
366	G	1.125612E-06	-1.934624E-03	1.119851E-04	5.363420E-05	0.0	-2.981968E-05
367	G	1.758049E-06	-1.958703E-03	1.123076E-04	5.762689E-05	0.0	4.158121E-06
368	G	1.714559E-06	-1.917586E-03	1.143171E-04	5.415839E-05	0.0	4.053359E-05
369	G	9.228867E-07	-1.816340E-03	1.178675E-04	5.544859E-05	0.0	6.171910E-05
370	G	4.657917E-07	-1.725703E-03	1.220776E-04	6.069525E-05	7.222063E-07	2.196498E-05
371	G	3.127599E-05	-1.725300E-03	3.237215E-05	0.0	-7.440364E-07	1.596306E-05
372	G	5.988628E-05	-1.721550E-03	-5.726211E-05	0.0	-2.433605E-06	1.509887E-05
373	G	0.0	-1.879869E-03	1.140453E-04	9.024981E-05	0.0	0.0
374	G	-3.893129E-07	-1.847312E-03	1.148702E-04	8.330715E-05	0.0	3.312904E-05
375	G	-9.749001E-07	-1.766162E-03	1.171910E-04	6.748782E-05	0.0	4.775455E-05
376	G	-1.462904E-06	-1.704304E-03	1.199040E-04	5.680941E-05	2.777697E-07	6.577540E-06
377	G	8.484329E-06	-1.703982E-03	3.693184E-05	0.0	-4.759599E-07	5.521497E-06
378	G	1.853326E-05	-1.701334E-03	-4.587859E-05	0.0	-1.365237E-06	5.610656E-06
379	G	-1.177467E-06	-1.741633E-03	1.184753E-04	6.993875E-05	0.0	-3.477007E-05
380	G	-5.849610E-07	-1.798309E-03	1.175348E-04	8.406077E-05	0.0	-1.908277E-05
381	G	-4.967526E-07	-1.810611E-03	1.181550E-04	8.501993E-05	0.0	6.079982E-06
382	G	-9.376413E-07	-1.771982E-03	1.205201E-04	8.804136E-05	0.0	3.608657E-05
383	G	-1.836379E-06	-1.677701E-03	1.245342E-04	7.821733E-05	0.0	5.675753E-05
384	G	-2.294381E-06	-1.593262E-03	1.291962E-04	7.023089E-05	9.174590E-07	2.209228E-05
385	G	2.910796E-05	-1.592908E-03	2.552832E-05	0.0	2.685263E-06	1.598350E-05
386	G	5.849834E-05	-1.589353E-03	-7.804147E-05	0.0	4.457906E-06	1.504724E-05
387	G	0.0	-1.672101E-03	1.202480E-04	1.127561E-04	0.0	0.0
388	G	-8.975647E-07	-1.657156E-03	1.208735E-04	1.033037E-04	0.0	1.598379E-05
389	G	-1.802305E-06	-1.618759E-03	1.226700E-04	8.067329E-05	0.0	2.430649E-05
390	G	-2.612972E-06	-1.585262E-03	1.252552E-04	6.497957E-05	7.177840E-07	7.980854E-06
391	G	9.235525E-06	-1.584994E-03	3.288618E-05	0.0	-2.436614E-07	6.573571E-06
392	G	2.131818E-05	-1.582681E-03	-5.927107E-05	0.0	-1.204615E-06	6.861752E-06
393	G	-2.946607E-06	-1.589585E-03	1.243073E-04	8.425140E-05	0.0	-1.013042E-05
394	G	-2.923752E-06	-1.606530E-03	1.239668E-04	1.093959E-04	0.0	-1.072522E-05
395	G	-2.743621E-06	-1.609821E-03	1.142614E-04	1.222143E-04	0.0	1.096564E-05
396	G	-5.377290E-06	-1.562706E-03	1.277725E-04	1.175920E-04	0.0	3.468155E-05
397	G	-5.895269E-06	-1.497471E-03	1.318680E-04	9.644154E-05	0.0	3.583333E-05
398	G	-6.028724E-06	-1.442536E-03	1.368297E-04	8.086223E-05	2.116532E-06	1.930438E-05
399	G	2.155107E-05	-1.442280E-03	1.951451E-05	0.0	4.360400E-06	1.295554E-05
400	G	4.815012E-05	-1.439010E-03	-9.757624E-05	0.0	5.525196E-06	1.251039E-05

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GRAVITY IN -Y DIRECTION

SUBCASE 1

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
401	G	0.0	-1.481042F-03	1.260675E-04	6.554731E-05	0.0	0.0
402	G	-1.463486E-06	-1.477986E-03	1.265452E-04	6.566173E-05	-2.667417E-07	3.378073E-06
403	G	-2.865153E-06	-1.468941E-03	1.280157E-04	6.618057E-05	-1.161046E-06	7.552107E-06
404	G	-4.206227F-06	-1.454289F-03	1.304708E-04	6.716151E-05	1.429008E-07	8.771986E-06
405	G	-5.475215E-06	-1.433839F-03	1.299528E-04	7.018349E-05	1.046876E-06	1.108713E-05
406	G	-6.748423E-06	-1.408658E-03	1.304160E-04	7.501012E-05	6.487386E-08	1.461122E-05
407	G	-8.077409E-06	-1.379152E-03	1.324515E-04	8.034795E-05	-9.392238E-08	1.643652E-05
408	G	-9.241173E-06	-1.346128F-03	1.350970E-04	8.263892E-05	-1.360877E-07	1.722676E-05
409	G	-1.003466E-05	-1.310621E-03	1.393436E-04	8.500883E-05	-1.688717E-06	2.018629E-05
410	G	-1.038934E-05	-1.274209E-03	1.451740E-04	8.686179E-05	1.358065E-08	1.798334E-05
411	G	0.0	-1.480803E-03	2.758407E-05	6.571139E-05	0.0	0.0
412	G	3.067497E-06	-1.477751E-03	2.790573E-05	6.587122E-05	-2.042985E-07	0.0
413	G	6.046045E-06	-1.468718E-03	2.890923E-05	6.592582E-05	-5.233109E-07	0.0
414	G	8.906596E-06	-1.454075E-03	2.998361E-05	6.696505E-05	4.024426E-07	8.728151E-06
415	G	1.146325E-05	-1.433648E-03	2.529423E-05	6.954822E-05	4.522429E-06	0.0
416	G	1.355259E-05	-1.408487E-03	1.823048E-05	7.457634E-05	4.099169E-06	0.0
417	G	1.512605E-05	-1.379016E-03	1.303947E-05	7.924595E-05	2.899168E-06	0.0
418	G	1.614066E-05	-1.346012E-03	1.114490E-05	8.263261E-05	1.686239E-06	0.0
419	G	1.655472E-05	-1.310493E-03	1.165860E-05	8.499699E-05	5.649795E-07	0.0
420	G	1.652399E-05	-1.274021E-03	1.508844E-05	8.679800E-05	-1.102952E-06	1.795703E-05
421	G	0.0	-1.479488F-03	-7.108727E-05	6.581355E-05	0.0	0.0
422	G	7.593436E-06	-1.476453E-03	-7.086176E-05	6.588340E-05	-1.378026E-07	0.0
423	G	1.497666E-05	-1.467438E-03	-7.024944E-05	6.610507E-05	6.966434E-08	0.0
424	G	2.201862E-05	-1.452469E-03	-7.036107E-05	6.686358E-05	6.910314E-07	8.764613E-06
425	G	2.842357E-05	-1.432563E-03	-7.860504E-05	6.889508E-05	7.842796E-06	0.0
426	G	3.393363E-05	-1.407573E-03	-9.315036E-05	7.413149E-05	8.217942E-06	0.0
427	G	3.840853E-05	-1.378281E-03	-1.053474E-04	7.875706E-05	6.195731E-06	0.0
428	G	4.167182E-05	-1.345479E-03	-1.128522E-04	8.277454E-05	4.174486E-06	0.0
429	G	4.359130E-05	-1.310038E-03	-1.165345E-04	8.571880E-05	2.587837E-06	0.0
430	G	4.426845E-05	-1.271878F-03	-1.146682E-04	8.653832E-05	-2.215860E-06	1.867789E-05
431	G	0.0	-1.415436E-03	1.293208E-04	1.479863E-05	0.0	0.0
432	G	-1.546439E-06	-1.399028E-03	1.301395E-04	2.515884E-05	0.0	1.748308E-05
433	G	-3.117784E-06	-1.355167E-03	1.324801E-04	5.065450E-05	0.0	2.830250E-05
434	G	-4.623186E-06	-1.313846E-03	1.357219E-04	7.176383E-05	-5.755713E-08	1.090442E-05
435	G	1.121418E-05	-1.313642E-03	2.830841E-05	0.0	-2.279968E-06	8.894455E-06
436	G	2.640879E-05	-1.311917E-03	-7.911740E-05	0.0	-4.302748E-06	8.323855E-06
437	G	-5.700504E-06	-1.309383E-03	1.347527E-04	5.748759E-05	0.0	-3.509786E-06
438	G	-6.695502E-06	-1.307231E-03	1.348174E-04	3.718591E-05	0.0	5.135855E-06
439	G	-7.866561E-06	-1.282863E-03	1.366524E-04	2.960485E-05	0.0	1.939620E-05
440	G	-9.198589E-06	-1.232303F-03	1.401793E-04	4.133109E-05	0.0	3.381258E-05
441	G	-1.060389E-05	-1.158491E-03	1.459224E-04	6.826581E-05	0.0	4.338523E-05
442	G	-1.150789E-05	-1.088034E-03	1.536610E-04	9.507850E-05	5.654464E-08	2.683033E-05
443	G	2.692937E-05	-1.087839E-03	1.299468E-05	0.0	-7.841821E-06	1.911761E-05
444	G	6.335975E-05	-1.085275E-03	-1.276168E-04	0.0	-1.453799E-05	1.771339E-05
445	G	0.0	-1.373284E-03	1.318259E-04	3.396068E-05	0.0	0.0
446	G	-1.696349E-06	-1.336653E-03	1.331806E-04	4.186932E-05	0.0	3.632100E-05
447	G	-3.546467E-06	-1.242948E-03	1.363525E-04	6.061605E-05	0.0	5.487548E-05
448	G	-5.373589E-06	-1.164398E-03	1.411749E-04	7.649191E-05	1.080347E-07	1.388733E-05
449	G	1.518059E-05	-1.164212E-03	2.776008E-05	0.0	-2.170563E-06	1.198931E-05
450	G	3.517426E-05	-1.162735E-03	-8.567022E-05	0.0	-4.715328E-06	1.162913E-05

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GRAVITY IN -Y DIRECTION

SUBCASE 1

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
451	G	-6.336703E-06	-1.184985E-03	1.395850E-04	6.792336E-05	0.0	-2.423169E-05
452	G	-6.968125E-06	-1.221428E-03	1.386957E-04	5.379338E-05	0.0	-8.733266E-06
453	G	-7.946360E-06	-1.208783E-03	1.402626E-04	4.933903E-05	0.0	2.295294E-05
454	G	-9.617867E-06	-1.132046E-03	1.447302E-04	5.973951E-05	0.0	5.477054E-05
455	G	-1.191102E-05	-1.004617E-03	1.522535E-04	8.007335E-05	0.0	7.171898E-05
456	G	-1.390637E-05	-8.878815E-04	1.617053E-04	1.015393E-04	4.282435E-07	3.764294E-05
457	G	4.036793E-05	-8.876694E-04	1.276740E-05	0.0	-6.221315E-06	2.910773E-05
458	G	9.190528E-05	-8.855264E-04	-1.362333E-04	0.0	-1.338966E-05	2.769829E-05
459	G	0.0	-1.267830E-03	1.354826E-04	7.418629E-05	0.0	0.0
460	G	-2.062096E-06	-1.221432E-03	1.371796E-04	7.495981E-05	0.0	4.540848E-05
461	G	-4.384745E-06	-1.104282E-03	1.417672E-04	7.668333E-05	0.0	6.733408E-05
462	G	-6.633085E-06	-1.007406E-03	1.468138E-04	8.049019E-05	3.039777E-07	1.691426E-05
463	G	1.854189E-05	-1.007257E-03	2.848747E-05	0.0	-1.844110E-06	1.505659E-05
464	G	4.350928E-05	-1.006097E-03	-8.986442E-05	0.0	-4.183443E-06	1.494441E-05
465	G	-7.815623E-06	-1.035483E-03	1.448880E-04	8.380841E-05	0.0	-3.172526E-05
466	G	-8.548070E-06	-1.084486E-03	1.435322E-04	8.619693E-05	0.0	-1.212633E-05
467	G	-9.713912E-06	-1.070266E-03	1.451930E-04	8.963647E-05	0.0	2.817958E-05
468	G	-1.178351E-05	-9.745699E-04	1.504156E-04	9.387491E-05	0.0	6.747503E-05
469	G	-1.470411E-05	-8.178980E-04	1.589636E-04	9.841613E-05	0.0	8.633702E-05
470	G	-1.741362E-05	-6.766669E-04	1.692844E-04	1.060870E-04	7.812355E-07	4.515967E-05
471	G	4.799083E-05	-6.764974E-04	1.388563E-05	0.0	-2.942588E-06	3.618396E-05
472	G	1.109697E-04	-6.748724E-04	-1.417207E-04	0.0	-6.920547E-06	3.515922E-05
473	G	0.0	-1.078283E-03	1.409541E-04	1.150977E-04	0.0	0.0
474	G	-2.740077E-06	-1.037774E-03	1.427132E-04	1.082482E-04	0.0	3.943045E-05
475	G	-5.616026E-06	-9.347717E-04	1.471512E-04	9.263182E-05	0.0	5.986985E-05
476	G	-8.492042E-06	-8.442462E-04	1.524052E-04	8.317479E-05	4.024195E-07	1.962854E-05
477	G	2.088427E-05	-8.441338E-04	3.046171E-05	0.0	-1.453135E-06	1.792191E-05
478	G	5.031883E-05	-8.433214E-04	-9.159671E-05	0.0	-3.591779E-06	1.797528E-05
479	G	-1.038154E-05	-8.558892E-04	1.507532E-04	9.908482E-05	0.0	-1.981169E-05
480	G	-1.184895E-05	-8.806582E-04	1.498398E-04	1.185618E-04	0.0	-8.042153E-07
481	G	-1.360874E-05	-8.486020E-04	1.519424E-04	1.292938E-04	0.0	3.410481E-05
482	G	-1.608097E-05	-7.471179E-04	1.575877E-04	1.270442E-04	0.0	6.691866E-05
483	G	-1.921652E-05	-5.952835E-04	1.663496E-04	1.159330E-04	0.0	8.206615E-05
484	G	-2.217772E-05	-4.569886E-04	1.767911E-04	1.095425E-04	9.845171E-07	4.818730E-05
485	G	4.829925E-05	-4.568864E-04	1.666251E-05	0.0	1.720539E-07	3.972027E-05
486	G	1.169536E-04	-4.557858E-04	-1.439693E-04	0.0	-1.181427E-06	3.892863E-05
487	G	0.0	-8.226340E-04	1.480763E-04	1.364462E-04	0.0	0.0
488	G	-3.612365E-06	-8.000771E-04	1.493098E-04	1.263866E-04	0.0	2.284089E-05
489	G	-7.366187E-06	-7.400413E-04	1.529442E-04	1.026530E-04	0.0	3.706782E-05
490	G	-1.112123E-05	-6.770061E-04	1.577312E-04	8.636226E-05	1.273468E-06	2.223741E-05
491	G	2.210161E-05	-6.768939E-04	3.370242E-05	0.0	-8.329135E-07	2.027850E-05
492	G	5.564492E-05	-6.763202E-04	-9.072854E-05	0.0	-2.923945E-06	2.081036E-05
493	G	-1.478404E-05	-6.509030E-04	1.569876E-04	1.086187E-04	0.0	7.551238E-06
494	G	-1.707526E-05	-6.232748E-04	1.575313E-04	1.356960E-04	0.0	2.016901E-05
495	G	-1.973624E-05	-5.634781E-04	1.604501E-04	1.490511E-04	0.0	3.923492E-05
496	G	-2.247759E-05	-4.679174E-04	1.660687E-04	1.436102E-04	0.0	5.640757E-05
497	G	-2.536173E-05	-3.471391E-04	1.742255E-04	1.251067E-04	0.0	6.419529E-05
498	G	-2.808904E-05	-2.319844E-04	1.839212E-04	1.126906E-04	2.344258E-06	4.826560E-05
499	G	4.786605E-05	-2.318482E-04	2.094750E-05	0.0	2.438152E-06	3.997791E-05
500	G	1.136415E-04	-2.309738E-04	-1.431453E-04	0.0	1.221902E-06	4.030856E-05

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GRAVITY IN -Y DIRECTION

SUBCASE 1

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
501	G	0.0	-5.805285E-04	1.545207E-04	9.385563E-05	0.0	0.0
502	G	-4.447204E-06	-5.724926E-04	1.553302E-04	9.155361E-05	-4.534469E-07	8.192002E-06
503	G	-9.197839E-06	-5.483404E-04	1.580424E-04	8.644703E-05	-2.105956E-06	1.738202E-05
504	G	-1.461481E-05	-5.078958E-04	1.625330E-04	8.303685E-05	2.550349E-08	2.392069E-05
505	G	-1.981293E-05	-4.487620E-04	1.625686E-04	9.061290E-05	6.875583E-07	3.237171E-05
506	G	-2.397124E-05	-3.760150E-04	1.645481E-04	1.005536E-04	-3.337094E-07	3.911970E-05
507	G	-2.739525E-05	-2.924004E-04	1.685187E-04	1.077554E-04	-8.795079E-07	4.407416E-05
508	G	-3.028389E-05	-2.006952E-04	1.743658E-04	1.105068E-04	-1.286194E-06	4.758798E-05
509	G	-3.269415E-05	-1.037513E-04	1.819982E-04	1.101875E-04	-2.774667E-06	5.067314E-05
510	G	-3.467762E-05	-4.947628E-06	1.907915E-04	1.094079E-04	-2.254647E-07	4.743316E-05
511	G	0.0	-5.801746E-04	1.573340E-05	9.170610E-05	0.0	0.0
512	G	7.364649E-06	-5.721641E-04	1.960552E-05	8.989588E-05	-3.484994E-06	0.0
513	G	1.451190E-05	-5.481045E-04	2.976861E-05	8.491607E-05	-5.723434E-06	0.0
514	G	2.113255E-05	-5.077303E-04	3.795691E-05	8.308946E-05	5.889806E-07	2.391038E-05
515	G	2.698172E-05	-4.485727E-04	2.828758E-05	8.891422E-05	8.109719E-06	0.0
516	G	3.175107E-05	-3.757854E-04	1.549802E-05	9.863038E-05	6.188756E-06	0.0
517	G	3.517245E-05	-2.921969E-04	8.880277E-06	1.055915E-04	2.815114E-06	0.0
518	G	3.707365E-05	-2.005539E-04	1.009990E-05	1.089760E-04	-5.687336E-07	0.0
519	G	3.737131E-05	-1.035819E-04	1.776377E-05	1.089776E-04	-3.024781E-06	0.0
520	G	3.654830E-05	-4.054473E-06	2.661291E-05	1.096786E-04	-2.732663E-07	4.771556E-05
521	G	0.0	-5.770735E-04	-1.208511E-04	9.084372E-05	0.0	0.0
522	G	1.920959E-05	-5.690814E-04	-1.140296E-04	8.888758E-05	-6.508637E-06	0.0
523	G	3.823916E-05	-5.451301E-04	-9.742884E-05	8.437410E-05	-8.318069E-06	0.0
524	G	5.686533E-05	-5.056870E-04	-8.744840E-05	8.382114E-05	1.093548E-06	2.392409E-05
525	G	7.375532E-05	-4.461037E-04	-1.042297E-04	8.764262E-05	1.444299E-05	0.0
526	G	8.749410E-05	-3.737172E-04	-1.310306E-04	9.733559E-05	1.310222E-05	0.0
527	G	9.790293E-05	-2.906208E-04	-1.484888E-04	1.046775E-04	6.795507E-06	0.0
528	G	1.049013E-04	-1.994799E-04	-1.524629E-04	1.082858E-04	5.946200E-07	0.0
529	G	1.085911E-04	-1.027194E-04	-1.462457E-04	1.093393E-04	-2.044742E-06	0.0
530	G	1.094084E-04	0.0	-1.390777E-04	1.110056E-04	-3.426852E-07	4.914726E-05

19/09/81

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
1	G	0.0	-5.106572E-04	0.0	-3.089802E-05	0.0	0.0
2	G	2.614568E-06	-5.038765E-04	2.116712E-08	-3.126747E-05	1.211973E-07	8.793440E-06
3	G	5.284947E-06	-4.837408E-04	4.060659E-07	-3.205999E-05	-1.431438E-06	1.596416E-05
4	G	7.962739E-06	-4.514831E-04	2.433409E-06	-3.234336E-05	3.973879E-07	2.591287E-05
5	G	1.075651E-05	-4.012242E-04	-7.715165E-07	-3.231205E-05	1.654131E-06	3.571123E-05
6	G	1.378159E-05	-3.391851E-04	-2.381219E-06	-3.189864E-05	3.825981E-07	4.255271E-05
7	G	1.702223E-05	-2.646660E-04	-3.949348E-06	-3.190908E-05	7.621580E-07	5.067998E-05
8	G	2.066666E-05	-1.778719E-04	-6.171424E-06	-3.245083E-05	1.505776E-06	5.854781E-05
9	G	2.497414E-05	-7.960685E-05	-9.213220E-06	-3.316223E-05	5.385883E-07	6.398707E-05
10	G	3.009140E-05	2.762547E-05	-1.290134E-05	-3.310795E-05	5.961164E-06	7.175995E-05
11	G	0.0	-5.201665E-04	4.659683E-05	-3.124989E-05	0.0	0.0
12	G	1.533050E-05	-5.133452E-04	4.699829E-05	-3.121546E-05	-5.525462E-07	0.0
13	G	3.067682E-05	-4.928650E-04	4.859176E-05	-3.204713E-05	-1.669620E-06	0.0
14	G	4.684340E-05	-4.589872E-04	5.024979E-05	-3.088036E-05	3.297208E-07	2.590130E-05
15	G	6.291366E-05	-4.102448E-04	4.769614E-05	-3.219004E-05	1.616384E-06	0.0
16	G	7.804552E-05	-3.484490E-04	4.554576E-05	-3.187598E-05	6.188865E-07	0.0
17	G	9.299681E-05	-2.738694E-04	4.421745E-05	-3.234412E-05	4.445781E-07	0.0
18	G	1.077862E-04	-1.869164E-04	4.275340E-05	-3.258244E-05	6.450447E-07	0.0
19	G	1.224003E-04	-8.810399E-05	4.098963E-05	-3.381280E-05	6.742441E-07	0.0
20	G	1.377556E-04	2.141348E-05	3.659162E-05	-3.220433E-05	4.834726E-06	7.170341E-05
21	G	0.0	-5.501655E-04	9.372705E-05	-3.144426E-05	0.0	0.0
22	G	2.836138E-05	-5.432721E-04	9.380930E-05	-3.095035E-05	5.432789E-08	0.0
23	G	5.682401E-05	-5.221060E-04	9.332977E-05	-2.875214E-05	1.472914E-06	0.0
24	G	8.555733E-05	-4.832260E-04	9.119364E-05	-2.525229E-05	1.902059E-07	2.577297E-05
25	G	1.139740E-04	-4.394993E-04	9.276731E-05	-2.895825E-05	-1.748799E-06	0.0
26	G	1.416488E-04	-3.784036E-04	9.333895E-05	-3.162878E-05	-4.415902E-07	0.0
27	G	1.686980E-04	-3.039222E-04	9.307468E-05	-3.267257E-05	-3.890493E-08	0.0
28	G	1.952790E-04	-2.169050E-04	9.201517E-05	-3.277989E-05	7.591878E-07	0.0
29	G	2.216812E-04	-1.171614E-04	8.879292E-05	-3.104354E-05	3.688972E-06	0.0
30	G	2.486194E-04	0.0	8.008888E-05	-2.728782E-05	5.880946E-06	7.434071E-05
31	G	0.0	-5.625349E-04	2.501853E-06	-2.329558E-05	0.0	0.0
32	G	2.725458E-06	-5.578855E-04	2.511969E-06	-2.453710E-05	0.0	5.850321E-06
33	G	5.404057E-06	-5.428335E-04	2.474810E-06	-2.761923E-05	0.0	1.274863E-05
34	G	7.686213E-06	-5.127930E-04	1.142615E-06	-2.926683E-05	1.236592E-06	2.599195E-05
35	G	4.686121E-05	-5.154312E-04	4.195351E-05	0.0	1.225229E-06	2.675611E-05
36	G	8.613436E-05	-5.238426E-04	7.768287E-05	0.0	1.044566E-06	2.669037E-05
37	G	9.733791E-06	-4.598503E-04	1.360022E-06	-2.866426E-05	0.0	3.843410E-05
38	G	1.189784E-05	-3.929501E-04	2.175514E-07	-2.635075E-05	0.0	4.493425E-05
39	G	1.385281E-05	-3.161642E-04	-1.337913E-06	-2.584489E-05	0.0	5.064174E-05
40	G	1.540582E-05	-2.303774E-04	-3.589130E-06	-2.696100E-05	0.0	5.601947E-05
41	G	1.622866E-05	-1.353876E-04	-7.367370E-06	-2.931952E-05	0.0	6.236215E-05
42	G	1.577880E-05	-2.649578E-05	-1.557833E-05	-2.974707E-05	9.281905E-06	7.435484E-05
43	G	1.284514E-04	-2.914514E-05	2.732253E-05	0.0	7.803575E-06	7.764768E-05
44	G	2.417181E-04	-3.734781E-05	6.517232E-05	0.0	7.165278E-06	7.739881E-05
45	G	0.0	-6.084770E-04	4.402788E-06	-2.361418E-05	0.0	0.0
46	G	2.374264E-06	-6.058610E-04	4.429836E-06	-2.417220E-05	0.0	3.564175E-06
47	G	4.678791E-06	-5.950858E-04	4.391443E-06	-2.551092E-05	0.0	1.052878E-05
48	G	6.899025E-06	-5.668257E-04	3.754783E-06	-2.642165E-05	1.066498E-06	2.601383E-05
49	G	4.598277E-05	-5.670760E-04	4.379457E-05	0.0	1.130350E-06	2.662781E-05
50	G	8.519253E-05	-5.677007E-04	8.156509E-05	0.0	1.196752E-06	2.666212E-05

DEFLECTIONS: THERMAL LOADING

ΔT = 1°C

APPENDIX D

P.51/61

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
51	G	8.741147E-06	-5.123739E-04	3.102004E-06	-2.660959E-05	0.0	3.986055E-05
52	G	1.006173E-05	-4.417403E-04	1.781937E-06	-2.611859E-05	0.0	4.646611E-05
53	G	1.079753E-05	-3.632072E-04	-2.349876E-08	-2.595481E-05	0.0	5.037189E-05
54	G	1.085421E-05	-2.782277E-04	-2.461481E-06	-2.642017E-05	0.0	5.475535E-05
55	G	1.011318E-05	-1.841321E-04	-6.106975E-06	-2.671378E-05	0.0	6.218297E-05
56	G	8.813961E-06	-7.367517E-05	-1.174703E-05	-2.724167E-05	3.391330E-06	7.495114E-05
57	G	1.211006E-04	-7.425222E-05	2.938110E-05	0.0	4.080493E-06	7.621200E-05
58	G	2.333835E-04	-7.496626E-05	6.816251E-05	0.0	4.526374E-06	7.625614E-05
59	G	0.0	-6.571144E-04	5.854772E-06	-2.558576E-05	0.0	0.0
60	G	2.143483E-06	-6.549924E-04	5.922946E-06	-2.551814E-05	0.0	2.782789E-06
61	G	4.252123E-06	-6.457008E-04	5.968672E-06	-2.575420E-05	0.0	9.524125E-06
62	G	6.308701E-06	-6.179649E-04	5.613127E-06	-2.599340E-05	8.492431E-07	2.602847E-05
63	G	4.542242E-05	-6.179498E-04	4.460612E-05	0.0	7.926849E-07	2.664363E-05
64	G	8.460136E-05	-6.179158E-04	8.344828E-05	0.0	7.481427E-07	2.665631E-05
65	G	7.936468E-06	-5.626616E-04	4.414110E-06	-2.626920E-05	0.0	4.038682E-05
66	G	8.867710E-06	-4.906924E-04	2.697986E-06	-2.632891E-05	0.0	4.695040E-05
67	G	9.158583E-06	-4.109268E-04	6.723653E-07	-2.616105E-05	0.0	5.054691E-05
68	G	8.788455E-06	-3.250532E-04	-1.713344E-06	-2.597482E-05	0.0	5.494722E-05
69	G	7.788266E-06	-2.293458E-04	-4.605776E-06	-2.582448E-05	0.0	6.287583E-05
70	G	6.451369E-06	-1.167672E-04	-8.056373E-06	-2.589296E-05	2.157043E-06	7.522415E-05
71	G	1.193186E-04	-1.171301E-04	3.103002E-05	0.0	1.534784E-06	7.697452E-05
72	G	2.321169E-04	-1.172577E-04	6.990352E-05	0.0	7.860482E-07	7.670080E-05
73	G	0.0	-7.102599E-04	7.032279E-06	-2.776191E-05	0.0	0.0
74	G	2.073226E-06	-7.074361E-04	7.108194E-06	-2.711154E-05	0.0	3.521349E-06
75	G	4.086811E-06	-6.969483E-04	7.289284E-06	-2.606607E-05	0.0	1.032246E-05
76	G	6.139121E-06	-6.681483E-04	7.375284E-06	-2.580890E-05	5.916185E-07	2.620128E-05
77	G	4.550107E-05	-6.684614E-04	4.537606E-05	0.0	4.214929E-07	2.677497E-05
78	G	8.486045E-05	-6.690626E-04	8.499557E-05	0.0	2.589173E-07	2.677884E-05
79	G	7.826534E-06	-6.122256E-04	5.492042E-06	-2.582306E-05	0.0	4.028590E-05
80	G	8.805540E-06	-5.396579E-04	3.426881E-06	-2.619319E-05	0.0	4.694013E-05
81	G	9.263047E-06	-4.588410E-04	1.285980E-06	-2.619953E-05	0.0	5.103600E-05
82	G	9.088285E-06	-3.709884E-04	-9.635687E-07	-2.548835E-05	0.0	5.589612E-05
83	G	8.291400E-06	-2.729942E-04	-3.013791E-06	-2.488865E-05	0.0	6.379269E-05
84	G	6.918706E-06	-1.577356E-04	-4.352086E-06	-2.507528E-05	1.229169E-06	7.672710E-05
85	G	1.220464E-04	-1.583905E-04	3.293275E-05	0.0	-8.052778E-07	7.804003E-05
86	G	2.373269E-04	-1.591707E-04	7.197293E-05	0.0	-2.806821E-06	7.841444E-05
87	G	0.0	-7.669439E-04	8.048575E-06	-2.865928E-05	0.0	0.0
88	G	2.268304E-06	-7.618184E-04	8.064134E-06	-2.743638E-05	0.0	5.890112E-06
89	G	4.436289E-06	-7.464825E-04	8.257205E-06	-2.363019E-05	0.0	1.232817E-05
90	G	6.335741E-06	-7.154776E-04	9.653258E-06	-2.250045E-05	3.199227E-07	2.651601E-05
91	G	4.608055E-05	-7.181289E-04	4.718066E-05	0.0	1.647751E-07	2.704214E-05
92	G	8.576071E-05	-7.262810E-04	8.752376E-05	0.0	3.676229E-08	2.701739E-05
93	G	8.077560E-06	-6.591890E-04	6.366900E-06	-2.326815E-05	0.0	3.969712E-05
94	G	9.570914E-06	-5.882543E-04	4.227637E-06	-2.582239E-05	0.0	4.598642E-05
95	G	1.086268E-05	-5.069103E-04	2.181818E-06	-2.619396E-05	0.0	5.197994E-05
96	G	1.177053E-05	-4.152472E-04	3.713036E-08	-2.465503E-05	0.0	5.813004E-05
97	G	1.212752E-05	-3.126811E-04	-1.629402E-06	-2.165562E-05	0.0	6.502915E-05
98	G	1.121497E-05	-1.950949E-04	-3.091305E-07	-2.229735E-05	-4.477765E-06	7.806929E-05
99	G	1.293929E-04	-1.977966E-04	3.618456E-05	0.0	-3.803433E-06	8.124993E-05
100	G	2.482943E-04	-2.059281E-04	7.573992E-05	0.0	-4.299630E-06	8.138863E-05

*P.S. 1/61*

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE

SUBCASE 3

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
101	G	0.0	-8.183664E-04	8.803702E-06	-2.077999E-05	0.0	0.0
102	G	2.379943E-06	-8.111259E-04	8.680000E-06	-2.081408E-05	1.287831E-07	9.046459E-06
103	G	4.730064E-06	-7.896826E-04	8.269087E-06	-2.085808E-05	2.197252E-07	1.579795E-05
104	G	6.808402E-06	-7.557815E-04	7.586599E-06	-2.090902E-05	4.564120E-07	2.670356E-05
105	G	8.781943E-06	-7.003674E-04	6.539652E-06	-2.088428E-05	5.115313E-07	3.735872E-05
106	G	1.096990E-05	-6.325846E-04	5.272292E-06	-2.079731E-05	6.558919E-07	4.413068E-05
107	G	1.315835E-05	-5.508570E-04	3.666280E-06	-2.073124E-05	8.110438E-07	5.295657E-05
108	G	1.556157E-05	-4.550824E-04	1.760762E-06	-2.069279E-05	9.466173E-07	6.161511E-05
109	G	1.839378E-05	-3.461519E-04	-3.991506E-07	-2.068326E-05	9.747682E-07	6.741194E-05
110	G	2.191325E-05	-2.267251E-04	-2.773532E-06	-2.078184E-05	1.319092E-06	7.688694E-05
111	G	0.0	-8.280717E-04	4.003513E-05	-2.085452E-05	0.0	0.0
112	G	1.521558E-05	-8.207895E-04	3.994169E-05	-2.086317E-05	9.257371E-08	0.0
113	G	3.041903E-05	-7.988841E-04	3.960093E-05	-2.091346E-05	1.919589E-07	0.0
114	G	4.686216E-05	-7.625171E-04	3.895533E-05	-2.090658E-05	4.157062E-07	2.668424E-05
115	G	6.319274E-05	-7.095097E-04	3.786807E-05	-2.088604E-05	5.720109E-07	0.0
116	G	7.810893E-05	-6.421260E-04	3.649337E-05	-2.083133E-05	7.153615E-07	0.0
117	G	9.282308E-05	-5.603610E-04	3.479811E-05	-2.077899E-05	8.541432E-07	0.0
118	G	1.074273E-04	-4.644340E-04	3.284035E-05	-2.073724E-05	9.513158E-07	0.0
119	G	1.217973E-04	-3.548390E-04	3.069438E-05	-2.077749E-05	9.788591E-07	0.0
120	G	1.374951E-04	-2.323560E-04	2.843041E-05	-2.080762E-05	1.078008E-06	7.688046E-05
121	G	0.0	-8.583900E-04	7.136044E-05	-2.090698E-05	0.0	0.0
122	G	2.860483E-05	-8.510102E-04	7.127387E-05	-2.090317E-05	8.536102E-08	0.0
123	G	5.744399E-05	-8.281139E-04	7.092413E-05	-2.088048E-05	2.422250E-07	0.0
124	G	8.685314E-05	-7.840169E-04	7.022821E-05	-2.082494E-05	3.734982E-07	2.663357E-05
125	G	1.160680E-04	-7.387092E-04	6.918308E-05	-2.087794E-05	5.650272E-07	0.0
126	G	1.444456E-04	-6.722927E-04	6.776724E-05	-2.086544E-05	7.580059E-07	0.0
127	G	1.722510E-04	-5.906068E-04	6.599783E-05	-2.081822E-05	8.981021E-07	0.0
128	G	1.997765E-04	-4.945532E-04	6.397022E-05	-2.075991E-05	9.970881E-07	0.0
129	G	2.272814E-04	-3.837380E-04	6.176264E-05	-2.069733E-05	1.044858E-06	0.0
130	G	2.558033E-04	-2.512289E-04	5.960489E-05	-2.076318E-05	7.594742E-07	7.932389E-05
131	G	0.0	-8.485885E-04	8.995888E-06	-1.210991E-05	0.0	0.0
132	G	2.199982E-06	-8.437261E-04	8.808353E-06	-1.362653E-05	0.0	5.654026E-06
133	G	4.341447E-06	-8.283576E-04	8.020863E-06	-1.775761E-05	0.0	1.228627E-05
134	G	6.313165E-06	-7.966873E-04	5.296084E-06	-1.949217E-05	8.620859E-07	2.681428E-05
135	G	4.667985E-05	-7.994210E-04	3.042306E-05	0.0	7.914213E-07	2.729897E-05
136	G	8.709879E-05	-8.076241E-04	5.269743E-05	0.0	6.855470E-07	2.724832E-05
137	G	7.945002E-06	-7.383591E-04	6.616659E-06	-1.886638E-05	0.0	4.045224E-05
138	G	9.459953E-06	-6.648221E-04	6.018014E-06	-1.594701E-05	0.0	4.687493E-05
139	G	1.076694E-05	-5.805190E-04	4.807164E-06	-1.531417E-05	0.0	5.298144E-05
140	G	1.169555E-05	-4.855401E-04	3.120854E-06	-1.657516E-05	0.0	5.919675E-05
141	G	1.205265E-05	-3.795524E-04	3.932781E-07	-1.923626E-05	0.0	6.604308E-05
142	G	1.125170E-05	-2.579892E-04	-6.273062E-06	-1.920866E-05	7.656902E-06	7.942048E-05
143	G	1.318791E-04	-2.608094E-04	1.978103E-05	0.0	5.853223E-06	8.252234E-05
144	G	2.536632E-04	-2.690468E-04	4.281118E-05	0.0	5.334795E-06	8.262118E-05
145	G	0.0	-8.729885E-04	8.889265E-06	-1.312786E-05	0.0	0.0
146	G	1.857667E-06	-8.706853E-04	8.756373E-06	-1.390492E-05	0.0	3.034220E-06
147	G	3.711331E-06	-8.604755E-04	8.228594E-06	-1.527187E-05	0.0	1.004439E-05
148	G	5.693116E-06	-8.305444E-04	6.977444E-06	-1.609942E-05	6.080064E-07	2.692008E-05
149	G	4.612305E-05	-8.308515E-04	3.149382E-05	0.0	5.789407E-07	2.730112E-05
150	G	8.662142E-05	-8.314212E-04	5.434672E-05	0.0	5.252590E-07	2.730415E-05

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TEMP LOAD OF 1 C % POSITIVE BENDING ON PLATE

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
151	G	7.231758E-06	-7.707204E-04	6.979376E-06	-1.635551E-05	0.0	4.175169E-05
152	G	8.240889E-06	-6.930837E-04	6.259508E-06	-1.582994E-05	0.0	4.851400E-05
153	G	8.603539E-06	-6.065685E-04	5.082531E-06	-1.551886E-05	0.0	5.289556E-05
154	G	8.372123E-06	-5.123671E-04	3.476762E-06	-1.593317E-05	0.0	5.797077E-05
155	G	7.406927E-06	-4.072778E-04	1.018874E-06	-1.626040E-05	0.0	6.621328E-05
156	G	5.848282E-06	-2.833186E-04	-3.053842E-06	-1.658595E-05	1.884995E-06	8.004646E-05
157	G	1.258978E-04	-2.840478E-04	2.192882E-05	0.0	2.834965E-06	8.076154E-05
158	G	2.461984E-04	-2.849337E-04	4.516408E-05	0.0	3.658291E-06	8.105703E-05
159	G	0.0	-9.015314E-04	8.658601E-06	-1.573846E-05	0.0	0.0
160	G	1.745263E-06	-8.999230E-04	8.610658E-06	-1.566199E-05	0.0	2.258236E-06
161	G	3.535710E-06	-8.908527E-04	8.427735E-06	-1.554511E-05	0.0	9.327758E-06
162	G	5.445394E-06	-8.611057E-04	7.949919E-06	-1.560512E-05	3.644253E-07	2.705699E-05
163	G	4.609906E-05	-8.610857E-04	3.128688E-05	0.0	2.082644E-07	2.744996E-05
164	G	8.60455E-05	-8.609823E-04	5.463042E-05	0.0	4.332174E-08	2.745507E-05
165	G	6.944244E-06	-8.002596E-04	7.225295E-06	-1.582128E-05	0.0	4.237090E-05
166	G	7.642368E-06	-7.210509E-04	6.175368E-06	-1.572361E-05	0.0	4.913844E-05
167	G	7.724301E-06	-6.331252E-04	4.940605E-06	-1.559642E-05	0.0	5.313495E-05
168	G	7.184274E-06	-5.378516E-04	3.528703E-06	-1.534281E-05	0.0	5.818909E-05
169	G	5.957083E-06	-4.310915E-04	1.883305E-06	-1.523133E-05	0.0	6.690342E-05
170	G	4.369586E-06	-3.050843E-04	5.876182E-08	-1.554230E-05	8.889489E-07	8.003661E-05
171	G	1.244950E-04	-3.055409E-04	2.330833E-05	0.0	5.203639E-07	8.117421E-05
172	G	2.446091E-04	-3.058021E-04	4.654557E-05	0.0	1.252719E-07	8.095185E-05
173	G	0.0	-9.355189E-04	8.401420E-06	-1.823863E-05	0.0	0.0
174	G	1.809911E-06	-9.328499E-04	8.421134E-06	-1.733357E-05	0.0	3.387383E-06
175	G	3.617073E-06	-9.216564E-04	8.551598E-06	-1.569926E-05	0.0	1.059709E-05
176	G	5.549025E-06	-8.903169E-04	8.797304E-06	-1.517348E-05	1.449422E-07	2.737790E-05
177	G	4.667704E-05	-8.906054E-04	3.095895E-05	0.0	-1.485006E-07	2.773209E-05
178	G	8.781652E-05	-8.911437E-04	5.479400E-05	0.0	-4.404881E-07	2.774868E-05
179	G	7.154335E-06	-8.287164E-04	7.363768E-06	-1.513185E-05	0.0	4.231483E-05
180	G	8.041155E-06	-7.487382E-04	6.042375E-06	-1.552602E-05	0.0	4.911248E-05
181	G	8.337406E-06	-6.598160E-04	4.781454E-06	-1.567694E-05	0.0	5.362449E-05
182	G	8.119679E-06	-5.623563E-04	3.616531E-06	-1.490649E-05	0.0	5.922963E-05
183	G	7.146764E-06	-4.531518E-04	2.853507E-06	-1.422099E-05	0.0	6.766411E-05
184	G	5.533963E-06	-3.247864E-04	3.228718E-06	-1.474097E-05	7.184934E-09	8.119966E-05
185	G	1.273489E-04	-3.255063E-04	2.490406E-05	0.0	-1.744390E-06	8.182123E-05
186	G	2.492517E-04	-3.263976E-04	4.832901E-05	0.0	-3.403176E-06	8.216286E-05
187	G	0.0	-9.732782E-04	8.167026E-06	-1.906756E-05	0.0	0.0
188	G	2.115902E-06	-9.677337E-04	8.187582E-06	-1.752868E-05	0.0	6.214111E-06
189	G	4.171816E-06	-9.505651E-04	8.472943E-06	-1.329665E-05	0.0	1.305848E-05
190	G	5.991036E-06	-9.163204E-04	1.018786E-05	-1.172260E-05	-1.457549E-07	2.782977E-05
191	G	4.772806E-05	-9.189819E-04	3.173770E-05	0.0	-3.802495E-07	2.816260E-05
192	G	8.941276E-05	-9.271181E-04	5.613292E-05	0.0	-5.802363E-07	2.814276E-05
193	G	7.672985E-06	-8.542591E-04	7.409380E-06	-1.260685E-05	0.0	4.171088E-05
194	G	9.130392E-06	-7.760969E-04	6.074784E-06	-1.536528E-05	0.0	4.809641E-05
195	G	1.030615E-05	-6.866523E-04	4.982638E-06	-1.559070E-05	0.0	5.453777E-05
196	G	1.115724E-05	-5.852329E-04	4.000571E-06	-1.409430E-05	0.0	6.147497E-05
197	G	1.146656E-05	-4.712520E-04	3.698083E-06	-1.119082E-05	0.0	6.871767E-05
198	G	1.037358E-05	-3.410939E-04	6.746118E-06	-1.202079E-05	-5.705651E-06	8.209143E-05
199	G	1.345941E-04	-3.438711E-04	2.772146E-05	0.0	-4.700438E-06	3.464519E-05
200	G	2.594674E-04	-3.521212E-04	5.180029E-05	0.0	-4.869889E-06	8.469194E-05

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TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
201	G	0.0	-1.004673E-03	7.894786E-06	-9.988022E-06	0.0	0.0
202	G	2.313855E-06	-9.966495E-04	7.834648E-06	-1.001580E-05	4.388957E-08	9.500161E-06
203	G	4.603990E-06	-9.728624E-04	7.656256E-06	-1.007551E-05	9.423957E-08	1.674943E-05
204	G	6.638099E-06	-9.351075E-04	7.366251E-06	-1.018066E-05	1.253065E-07	2.809256E-05
205	G	8.608158E-06	-8.742223E-04	6.921126E-06	-1.023698E-05	2.026799E-07	3.916380E-05
206	G	1.072056E-05	-7.994948E-04	6.420638E-06	-1.019385E-05	1.968201E-07	4.641109E-05
207	G	1.283561E-05	-7.093111E-04	5.835631E-06	-1.016315E-05	2.274272E-07	5.563509E-05
208	G	1.517515E-05	-6.037927E-04	5.204261E-06	-1.020351E-05	2.186655E-07	6.467446E-05
209	G	1.799241E-05	-4.836507E-04	4.568375E-06	-1.029757E-05	1.794060E-07	7.088533E-05
210	G	2.142828E-05	-3.519265E-04	3.870156E-06	-1.050422E-05	2.928474E-07	8.061135E-05
211	G	0.0	-1.014419E-03	2.291315E-05	-1.002984E-05	0.0	0.0
212	G	1.586284E-05	-1.006356E-03	2.288644E-05	-1.005082E-05	1.023104E-08	0.0
213	G	3.168927E-05	-9.821311E-04	2.279668E-05	-1.010332E-05	2.510126E-08	0.0
214	G	4.877422E-05	-9.418849E-04	2.263799E-05	-1.017627E-05	6.632320E-08	2.807497E-05
215	G	6.576764E-05	-8.834291E-04	2.226695E-05	-1.023112E-05	1.986314E-07	0.0
216	G	8.123174E-05	-8.090667E-04	2.172183E-05	-1.020434E-05	2.260554E-07	0.0
217	G	9.650608E-05	-7.188329E-04	2.111834E-05	-1.020613E-05	2.151176E-07	0.0
218	G	1.116193E-04	-6.131637E-04	2.055397E-05	-1.025160E-05	1.533963E-07	0.0
219	G	1.265000E-04	-4.923875E-04	2.007422E-05	-1.036537E-05	7.667217E-08	0.0
220	G	1.475656E-04	-3.576183E-04	1.963277E-05	-1.051148E-05	8.971188E-08	8.055866E-05
221	G	0.0	-1.044766E-03	3.797952E-05	-1.005359E-05	0.0	0.0
222	G	2.992860E-05	-1.036616E-03	3.797833E-05	-1.006753E-05	-1.786357E-08	0.0
223	G	6.008585E-05	-1.011464E-03	3.795025E-05	-1.010435E-05	-9.885397E-09	0.0
224	G	9.084231E-05	-9.635058E-04	3.786734E-05	-1.014229E-05	6.963816E-09	2.801786E-05
225	G	1.214046E-04	-9.127387E-04	3.758688E-05	-1.020978E-05	1.678856E-07	0.0
226	G	1.509685E-04	-8.392779E-04	3.704366E-05	-1.021819E-05	2.376518E-07	0.0
227	G	1.799027E-04	-7.491107E-04	3.644600E-05	-1.022454E-05	1.982311E-07	0.0
228	G	2.084633E-04	-6.433325E-04	3.594921E-05	-1.026565E-05	9.534085E-08	0.0
229	G	2.369668E-04	-5.214238E-04	3.560976E-05	-1.035830E-05	-1.385246E-08	0.0
230	G	2.663052E-04	-3.766601E-04	3.540971E-05	-1.051047E-05	-1.428378E-07	8.290977E-05
231	G	0.0	-1.012186E-03	7.435381E-06	-2.141043E-07	0.0	0.0
232	G	2.207134E-06	-1.006588E-03	7.322203E-06	-1.767284E-06	0.0	6.179311E-06
233	G	4.372781E-06	-9.893347E-04	6.767291E-06	-6.449145E-06	0.0	1.290444E-05
234	G	6.370660E-06	-9.545295E-04	4.485279E-06	-8.650650E-06	3.948920E-07	2.807254E-05
235	G	4.864454E-05	-9.572213E-04	1.343638E-05	0.0	4.472660E-07	2.834198E-05
236	G	9.100104E-05	-9.653752E-04	1.952486E-05	0.0	4.531775E-07	2.833357E-05
237	G	7.994143E-06	-8.907092E-04	6.418295E-06	-7.953680E-06	0.0	4.230229E-05
238	G	9.532432E-06	-8.097838E-04	6.682898E-06	-4.821898E-06	0.0	4.918713E-05
239	G	1.081283E-05	-7.169996E-04	6.557310E-06	-4.086506E-06	0.0	5.555651E-05
240	G	1.170966E-05	-6.124834E-04	6.205256E-06	-5.573183E-06	0.0	6.214772E-05
241	G	1.202807E-05	-4.958028E-04	5.054175E-06	-8.656145E-06	0.0	6.912959E-05
242	G	1.105744E-05	-3.623450E-04	1.149085E-07	-9.036375E-06	6.550368E-06	8.300913E-05
243	G	1.370383E-04	-3.651869E-04	1.077315E-05	0.0	4.888653E-06	8.540960E-05
244	G	2.640677E-04	-3.734604E-04	1.843809E-05	0.0	4.436886E-06	8.543984E-05
245	G	0.0	-1.012479E-03	6.856416E-06	-9.678015E-07	0.0	0.0
246	G	1.930115E-06	-1.009678E-03	6.774057E-06	-1.807863E-06	0.0	3.077680E-06
247	G	3.855667E-06	-9.990763E-04	6.427185E-06	-4.016370E-06	0.0	1.007647E-05
248	G	5.937023E-06	-9.667077E-04	5.647239E-06	-5.167660E-06	2.003005E-07	2.807275E-05
249	G	4.810633E-05	-9.669962E-04	1.392472E-05	0.0	2.370593E-07	2.824634E-05
250	G	9.036931E-05	-9.675280E-04	2.052565E-05	0.0	2.700387E-07	2.825884E-05

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TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
251	G	7.614540E-06	-9.011100E-04	6.312986E-06	-5.395576E-06	0.0	4.374002E-05
252	G	8.529322E-06	-8.156449E-04	6.544491E-06	-4.570101E-06	0.0	5.098020E-05
253	G	8.936993E-06	-7.204377E-04	6.528978E-06	-4.282130E-06	0.0	5.542158E-05
254	G	8.678117E-06	-6.172031E-04	6.271140E-06	-5.067606E-06	0.0	6.043515E-05
255	G	7.565748E-06	-5.024071E-04	5.370106E-06	-5.911238E-06	0.0	6.888546E-05
256	G	5.847710E-06	-3.670517E-04	3.102035E-06	-6.332557E-06	7.874066E-07	8.339832E-05
257	G	1.309367E-04	-3.678086E-04	1.273704E-05	0.0	1.860515E-06	8.348937E-05
258	G	2.562769E-04	-3.687276E-04	2.066183E-05	0.0	2.809996E-06	8.378210E-05
259	G	0.0	-1.016456E-03	6.206932E-06	-2.987636E-06	0.0	0.0
260	G	1.862363E-06	-1.015371E-03	6.198121E-06	-4.291565E-06	0.0	1.652437E-06
261	G	3.769653E-06	-1.007115E-03	6.185147E-06	-4.373070E-06	0.0	8.846839E-06
262	G	5.799786E-06	-9.755681E-04	6.189247E-06	-4.704691E-06	-3.500297E-08	2.810538E-05
263	G	4.804830E-05	-9.755387E-04	1.321910E-05	0.0	-1.220236E-07	2.829442E-05
264	G	9.037097E-05	-9.754132E-04	2.025554E-05	0.0	-2.249266E-07	2.831215E-05
265	G	7.360925E-06	-9.088360E-04	6.173496E-06	-4.872943E-06	0.0	4.460356E-05
266	G	8.173886E-06	-8.213110E-04	6.150926E-06	-4.851605E-06	0.0	5.167209E-05
267	G	8.260862E-06	-7.249012E-04	6.112200E-06	-4.884403E-06	0.0	5.528523E-05
268	G	7.638833E-06	-6.212799E-04	6.050965E-06	-4.871289E-06	0.0	6.024487E-05
269	G	6.318760E-06	-5.053175E-04	5.979829E-06	-4.916881E-06	0.0	6.933520E-05
270	G	4.491765E-06	-3.681609E-04	6.035507E-06	-5.401874E-06	-2.363510E-07	8.324638E-05
271	G	1.294344E-04	-3.686405E-04	1.395426E-05	0.0	-5.000619E-07	8.374456E-05
272	G	2.543507E-04	-3.689318E-04	2.192087E-05	0.0	-7.878107E-07	8.351111E-05
273	G	0.0	-1.026833E-03	5.588719E-06	-8.088033E-06	0.0	0.0
274	G	1.960875E-06	-1.026722E-03	5.596603E-06	-7.107034E-06	0.0	1.656009E-06
275	G	3.921921E-06	-1.016418E-03	5.924234E-06	-5.052224E-06	0.0	1.040332E-05
276	G	5.995457E-06	-9.829672E-04	6.708913E-06	-4.202676E-06	-2.305708E-07	2.837623E-05
277	G	4.860913E-05	-9.832548E-04	1.250535E-05	0.0	-4.880908E-07	2.849345E-05
278	G	9.125883E-05	-9.837903E-04	1.999120E-05	0.0	-7.437523E-07	2.853492E-05
279	G	7.717929E-06	-9.155343E-04	6.006535E-06	-4.379104E-06	0.0	4.430757E-05
280	G	8.650058E-06	-8.279092E-04	5.731994E-06	-5.298557E-06	0.0	5.128783E-05
281	G	9.024426E-06	-7.308214E-04	5.709771E-06	-5.685143E-06	0.0	5.567561E-05
282	G	8.748630E-06	-6.250327E-04	5.912684E-06	-4.814108E-06	0.0	6.122740E-05
283	G	7.645465E-06	-5.066763E-04	6.730953E-06	-3.975813E-06	0.0	7.000977E-05
284	G	5.880394E-06	-3.673141E-04	9.092372E-06	-4.583437E-06	-1.125106E-06	8.427173E-05
285	G	1.322834E-04	-3.680526E-04	1.544492E-05	0.0	-2.759796E-06	8.421105E-05
286	G	2.587258E-04	-3.689735E-04	2.359001E-05	0.0	-4.274038E-06	8.452348E-05
287	G	0.0	-1.047262E-03	4.873395E-06	-1.072301E-05	0.0	0.0
288	G	2.289346E-06	-1.042005E-03	4.990676E-06	-7.791513E-06	0.0	5.852365E-06
289	G	4.509085E-06	-1.024189E-03	5.534323E-06	-2.737518E-06	0.0	1.330661E-05
290	G	6.488777E-06	-9.871155E-04	7.815132E-06	-7.175884E-07	-5.296841E-07	2.877921E-05
291	G	4.964229E-05	-9.898162E-04	1.297860E-05	0.0	-7.171646E-07	2.888254E-05
292	G	9.275737E-05	-9.979927E-04	2.100946E-05	0.0	-8.578104E-07	2.887032E-05
293	G	8.258871E-06	-9.198200E-04	5.800555E-06	-2.067851E-06	0.0	4.323277E-05
294	G	9.823491E-06	-8.349908E-04	5.532417E-06	-5.304508E-06	0.0	4.983685E-05
295	G	1.103718E-05	-7.379765E-04	5.691614E-06	-5.820312E-06	0.0	5.645464E-05
296	G	1.190687E-05	-6.278963E-04	6.149372E-06	-4.207058E-06	0.0	6.366048E-05
297	G	1.214290E-05	-5.043270E-04	7.475066E-06	-1.079221E-06	0.0	7.115715E-05
298	G	1.088226E-05	-3.631159E-04	1.252566E-05	-1.824191E-06	-6.927854E-06	8.494452E-05
299	G	1.394029E-04	-3.659327E-04	1.817063E-05	0.0	-5.777069E-06	8.689710E-05
300	G	2.695515E-04	-3.742308E-04	2.694935E-05	0.0	-5.795054E-06	8.690188E-05

*RS/6/01*

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE

SUBCASE 3

DISPLACEMENT VECTOR

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
301	G	0.0	-1.059435E-03	4.338390E-06	9.759369E-07	0.0	0.0
302	G	2.506125E-06	-1.050751E-03	4.408810E-06	9.476922E-07	-8.080667E-08	9.693524E-06
303	G	4.980620E-06	-1.025007E-03	4.604685E-06	8.900027E-07	-1.084567E-07	1.739123E-05
304	G	7.180152E-06	-9.839367E-04	4.887081E-06	7.500908E-07	-2.317587E-07	2.897257E-05
305	G	9.251772E-06	-9.184580E-04	5.225228E-06	6.443498E-07	-1.874162E-07	4.031851E-05
306	G	1.143007E-05	-8.377307E-04	5.723710E-06	5.825456E-07	-3.225132E-07	4.792603E-05
307	G	1.362346E-05	-7.403095E-04	6.400262E-06	5.157506E-07	-4.122189E-07	5.744598E-05
308	G	1.591726E-05	-6.261156E-04	7.290327E-06	3.382063E-07	-5.583539E-07	6.678846E-05
309	G	1.875890E-05	-4.961337E-04	8.435114E-06	8.058396E-08	-6.635801E-07	7.334616E-05
310	G	2.271909E-05	-3.532034E-04	9.725864E-06	-2.683625E-07	-7.678254E-07	8.337542E-05
311	G	0.0	-1.069185E-03	2.891818E-06	9.618543E-07	0.0	0.0
312	G	1.650584E-05	-1.060470E-03	3.000273E-06	9.309635E-07	-1.132211E-07	0.0
313	G	3.294126E-05	-1.034317E-03	3.296981E-06	8.710112E-07	-2.021914E-07	0.0
314	G	5.064270E-05	-9.907659E-04	3.753757E-06	7.572159E-07	-2.719915E-07	2.896097E-05
315	G	6.818662E-05	-9.277067E-04	4.248393E-06	6.503412E-07	-2.674818E-07	0.0
316	G	8.417790E-05	-8.473177E-04	4.841503E-06	5.967785E-07	-3.684564E-07	0.0
317	G	1.000106E-04	-7.498453E-04	5.659937E-06	4.862138E-07	-5.236986E-07	0.0
318	G	1.155754E-04	-6.354989E-04	6.825502E-06	2.931528E-07	-7.342951E-07	0.0
319	G	1.309385E-04	-5.049095E-04	8.358967E-06	4.297788E-08	-9.098684E-07	0.0
320	G	1.474661E-04	-3.589361E-04	1.011458E-05	-2.627913E-07	-9.629366E-07	8.327479E-05
321	G	0.0	-1.099593E-03	1.450864E-06	9.658652E-07	0.0	0.0
322	G	3.099238E-05	-1.090802E-03	1.602135E-06	9.357216E-07	-1.599723E-07	0.0
323	G	6.219535E-05	-1.063785E-03	2.029912E-06	8.361804E-07	-3.077504E-07	0.0
324	G	9.404917E-05	-1.012556E-03	2.640842E-06	7.397124E-07	-3.101377E-07	2.892075E-05
325	G	1.256369E-04	-9.571465E-04	3.245787E-06	6.762228E-07	-3.272447E-07	0.0
326	G	1.561963E-04	-8.775943E-04	3.941165E-06	6.116762E-07	-4.324760E-07	0.0
327	G	1.861262E-04	-7.801775E-04	4.933980E-06	4.918996E-07	-6.455587E-07	0.0
328	G	2.155735E-04	-6.657259E-04	6.393966E-06	2.922939E-07	-9.310465E-07	0.0
329	G	2.449756E-04	-5.340737E-04	8.351002E-06	-7.758231E-09	-1.151849E-06	0.0
330	G	2.751993E-04	-3.781093E-04	1.055779E-05	-3.014725E-07	-1.145999E-06	8.553942E-05
331	G	0.0	-1.043302E-03	4.014772E-06	1.234295E-05	0.0	0.0
332	G	2.437773E-06	-1.037303E-03	4.002247E-06	1.041742E-05	0.0	6.276792E-06
333	G	4.821547E-06	-1.018939E-03	3.748889E-06	5.139289E-06	0.0	1.310946E-05
334	G	7.022845E-06	-9.815567E-04	2.025477E-06	2.351640E-06	-6.365747E-08	2.882996E-05
335	G	5.041510E-05	-9.842359E-04	-5.408305E-06	0.0	1.419720E-07	2.885282E-05
336	G	9.392345E-05	-9.923938E-04	-1.570649E-05	0.0	2.893635E-07	2.888510E-05
337	G	8.818903E-06	-9.126381E-04	4.745176E-06	3.424635E-06	0.0	4.373255E-05
338	G	1.045025E-05	-8.252650E-04	6.057318E-06	7.041132E-06	0.0	5.075004E-05
339	G	1.178931E-05	-7.249203E-04	7.232574E-06	8.098426E-06	0.0	5.743330E-05
340	G	1.272141E-05	-6.120647E-04	8.426827E-06	6.332384E-06	0.0	6.395395E-05
341	G	1.298113E-05	-4.866305E-04	9.081782E-06	2.436895E-06	0.0	7.082251E-05
342	G	1.186012E-05	-3.430815E-04	6.163419E-06	1.220830E-06	5.404276E-06	8.552476E-05
343	G	1.416150E-04	-3.459123E-04	1.355410E-06	0.0	3.996819E-06	8.726207E-05
344	G	2.724137E-04	-3.541608E-04	-6.414472E-06	0.0	3.675083E-06	8.730516E-05
345	G	0.0	-1.018903E-03	3.748625E-06	1.117809E-05	0.0	0.0
346	G	2.207353E-06	-1.016475E-03	3.717520E-06	9.928013E-06	0.0	2.861017E-06
347	G	4.405045E-06	-1.005742E-03	3.564873E-06	7.446157E-06	0.0	9.820819E-06
348	G	6.741677E-06	-9.718349E-04	3.295030E-06	5.772779E-06	-2.230428E-07	2.861761E-05
349	G	4.971912E-05	-9.721383E-04	-4.773050E-06	0.0	-3.899777E-08	2.856071E-05
350	G	9.282189E-05	-9.726901E-04	-1.452574E-05	0.0	1.647263E-07	2.860329E-05

P.57/61

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
351	G	8.626796E-06	-9.007279E-04	4.758904E-06	5.585523E-06	0.0	4.554086E-05
352	G	9.647648E-06	-8.074737E-04	6.125775E-06	7.143750E-06	0.0	5.324323E-05
353	G	1.013119E-05	-7.036359E-04	7.464366E-06	7.874602E-06	0.0	5.777963E-05
354	G	9.911058E-06	-5.920769E-04	8.731957E-06	7.703759E-06	0.0	6.165584E-05
355	G	8.720430E-06	-4.706095E-04	9.592401E-06	5.635577E-06	0.0	6.926667E-05
356	G	6.820981E-06	-3.269555E-04	9.376583E-06	4.003943E-06	-3.887796E-07	8.553847E-05
357	G	1.351948E-04	-3.277092E-04	3.445769E-06	0.0	8.876477E-07	8.507166E-05
358	G	2.639545E-04	-3.285985E-04	-4.144872E-06	0.0	2.049919E-06	8.543726E-05
359	G	0.0	-1.000809E-03	3.418896E-06	6.712585E-06	0.0	0.0
360	G	2.186341E-06	-9.996325E-04	3.437326E-06	6.728241E-06	0.0	1.641612E-06
361	G	4.408130E-06	-9.914364E-04	3.560139E-06	6.566745E-06	0.0	8.308141E-06
362	G	6.711263E-06	-9.589791E-04	4.050099E-06	6.287716E-06	-4.674649E-07	2.843782E-05
363	G	4.947775E-05	-9.589733E-04	-5.224588E-06	0.0	-4.206926E-07	2.842724E-05
364	G	9.235744E-05	-9.588844E-04	-1.449463E-05	0.0	-4.107773E-07	2.845720E-05
365	G	8.549817E-06	-8.875795E-04	4.817591E-06	5.025934E-06	0.0	4.594054E-05
366	G	9.428099E-06	-7.911569E-04	5.970203E-06	5.272667E-06	0.0	5.549625E-05
367	G	9.637614E-06	-6.833698E-04	7.358726E-06	7.433326E-06	0.0	5.906969E-05
368	G	9.043583E-06	-5.700414E-04	8.806115E-06	8.549529E-06	0.0	6.035695E-05
369	G	7.680708E-06	-4.506679E-04	1.043551E-05	6.439012E-06	0.0	6.805037E-05
370	G	5.692745E-06	-3.073597E-04	1.260577E-05	5.269499E-06	-1.442628E-06	8.517364E-05
371	G	1.336217E-04	-3.078291E-04	4.859631E-06	0.0	-1.634947E-06	8.512028E-05
372	G	2.616355E-04	-3.080871E-04	-2.800594E-06	0.0	-1.811338E-06	8.493492E-05
373	G	0.0	-9.925403E-04	3.034104E-06	1.763076E-06	0.0	0.0
374	G	2.339567E-06	-9.900252E-04	3.130631E-06	3.061676E-06	0.0	2.843651E-06
375	G	4.644874E-06	-9.791669E-04	3.587146E-06	5.647952E-06	0.0	9.888516E-06
376	G	7.051749E-06	-9.446973E-04	4.859445E-06	6.531237E-06	-6.353529E-07	2.852123E-05
377	G	4.999273E-05	-9.450156E-04	-5.596958E-06	0.0	-8.765410E-07	2.852781E-05
378	G	9.310477E-05	-9.456070E-04	-1.435156E-05	0.0	-1.153216E-06	2.862728E-05
379	G	9.014275E-06	-8.753925E-04	4.868264E-06	5.169400E-06	0.0	4.397254E-05
380	G	1.007026E-05	-7.787202E-04	5.779350E-06	2.693960E-06	0.0	5.753394E-05
381	G	1.046218E-05	-6.619026E-04	7.384805E-06	1.089999E-05	0.0	6.152222E-05
382	G	1.033332E-05	-5.500924E-04	8.959216E-06	3.585925E-06	0.0	5.879234E-05
383	G	9.328058E-06	-4.316750E-04	1.142162E-05	5.209958E-06	0.0	6.815593E-05
384	G	7.398134E-06	-2.855877E-04	1.599778E-05	5.545214E-06	-2.385904E-06	8.622308E-05
385	G	1.368188E-04	-2.863070E-04	6.563733E-06	0.0	-4.108801E-06	8.556082E-05
386	G	2.662758E-04	-2.871917E-04	-1.018411E-06	0.0	-5.648085E-06	8.586231E-05
387	G	0.0	-9.918532E-04	2.679481E-06	6.821284E-08	0.0	0.0
388	G	2.716586E-06	-9.854941E-04	2.841928E-06	2.013676E-06	0.0	6.477829E-06
389	G	5.337209E-06	-9.660840E-04	3.559382E-06	7.520372E-06	0.0	1.339641E-05
390	G	7.616801E-06	-9.272115E-04	6.306016E-06	1.019304E-05	-9.979058E-07	2.892458E-05
391	G	5.122001E-05	-9.299803E-04	-4.681894E-06	0.0	-1.331789E-06	2.903733E-05
392	G	9.497037E-05	-9.382518E-04	-1.279034E-05	0.0	-1.581497E-06	2.911390E-05
393	G	9.639376E-06	-8.598147E-04	4.926231E-06	1.005007E-05	0.0	4.041108E-05
394	G	1.122914E-05	-7.670624E-04	5.748730E-06	5.449349E-06	0.0	6.153538E-05
395	G	1.860436E-05	-6.430296E-04	7.219935E-06	-2.060674E-06	0.0	5.974171E-05
396	G	1.407080E-05	-5.401163E-04	9.307659E-06	2.731802E-06	0.0	5.558037E-05
397	G	1.427609E-05	-4.124807E-04	1.239819E-05	8.496304E-06	0.0	7.401851E-05
398	G	1.279749E-05	-2.601764E-04	1.979776E-05	8.614012E-06	-8.259665E-06	8.709653E-05
399	G	1.444947E-04	-2.629929E-04	9.564556E-06	0.0	-7.137453E-06	8.835855E-05
400	G	2.767572E-04	-2.712728E-04	2.504245E-06	0.0	-7.203864E-06	8.830994E-05

P.58/01

TEMP LOAD OF 1 C % POSITIVE BENDING ON PLATE <

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
401	G	0.0	-9.831483E-04	2.642662E-06	1.171957E-05	0.0	0.0
402	G	2.982203E-06	-9.739099E-04	2.780807E-06	1.171360E-05	-1.415289E-07	9.886113E-06
403	G	5.905866E-06	-9.464705E-04	3.197517E-06	1.164735E-05	-1.608137E-07	1.772534E-05
404	G	8.494560E-06	-9.025191E-04	3.889380E-06	1.145616E-05	-5.841507E-07	2.954484E-05
405	G	1.087509E-05	-8.330003E-04	4.865213E-06	1.128341E-05	-4.693320E-07	4.086175E-05
406	G	1.332021E-05	-7.469631E-04	6.247988E-06	1.088332E-05	-5.917652E-07	4.890814E-05
407	G	1.565390E-05	-6.429257E-04	7.922604E-06	9.251511E-06	-9.962532E-07	5.853688E-05
408	G	1.806910E-05	-5.211167E-04	1.067104E-05	1.047921E-05	-1.501049E-06	6.861032E-05
409	G	2.091246E-05	-3.820560E-04	1.385039E-05	1.057080E-05	-1.501406E-06	7.512362E-05
410	G	2.440054E-05	-2.289840E-04	1.749540E-05	1.041866E-05	-1.940351E-06	8.540451E-05
411	G	0.0	-9.928562E-04	-1.495381E-05	1.175622E-05	0.0	0.0
412	G	1.723549E-05	-9.835935E-04	-1.480784E-05	1.173193E-05	-1.357489E-07	0.0
413	G	3.437663E-05	-9.557831E-04	-1.433706E-05	1.173048E-05	-2.689671E-07	0.0
414	G	5.274871E-05	-9.093995E-04	-1.329175E-05	1.144461E-05	-7.775257E-07	2.949970E-05
415	G	7.093539E-05	-8.422618E-04	-1.181476E-05	1.099964E-05	-7.424974E-07	0.0
416	G	8.753467E-05	-7.565476E-04	-9.786108E-06	1.070184E-05	-1.137721E-06	0.0
417	G	1.038648E-04	-6.524691E-04	-6.952439E-06	1.016468E-05	-1.151899E-06	0.0
418	G	1.199416E-04	-5.304979E-04	-4.811506E-06	1.034349E-05	-1.141511E-06	0.0
419	G	1.357411E-04	-3.908586E-04	-1.922739E-06	1.047933E-05	-1.493623E-06	0.0
420	G	1.527152E-04	-2.347248E-04	1.853126E-06	1.041426E-05	-2.032270E-06	8.530785E-05
421	G	0.0	-1.023319E-03	-3.262205E-05	1.179679E-05	0.0	0.0
422	G	3.195526E-05	-1.013991E-03	-3.246144E-05	1.178734E-05	-1.387255E-07	0.0
423	G	6.413285E-05	-9.853777E-04	-3.188418E-05	1.171632E-05	-4.479357E-07	0.0
424	G	9.698814E-05	-9.313845E-04	-3.039074E-05	1.139959E-05	-9.857467E-07	2.947099E-05
425	G	1.295722E-04	-8.718262E-04	-2.829489E-05	1.096095E-05	-1.056047E-06	0.0
426	G	1.610775E-04	-7.868961E-04	-2.572511E-05	1.058369E-05	-1.427385E-06	0.0
427	G	1.918363E-04	-6.828601E-04	-2.261081E-05	1.062940E-05	-1.273767E-06	0.0
428	G	2.221372E-04	-5.607831E-04	-2.030178E-05	1.030074E-05	-1.048032E-06	0.0
429	G	2.523659E-04	-4.201338E-04	-1.754657E-05	1.041258E-05	-1.531770E-06	0.0
430	G	2.834373E-04	-2.539745E-04	-1.367380E-05	1.034150E-05	-2.056366E-06	8.752108E-05
431	G	0.0	-9.452498E-04	3.362069E-06	2.341016E-05	0.0	0.0
432	G	3.069444E-06	-9.386649E-04	3.356779E-06	2.144488E-05	0.0	6.595090E-06
433	G	6.036932E-06	-9.188093E-04	3.153466E-06	1.599053E-05	0.0	1.336861E-05
434	G	8.712354E-06	-8.788593E-04	1.679277E-06	1.303248E-05	-7.236252E-07	2.962862E-05
435	G	5.325981E-05	-8.815562E-04	-2.166178E-05	0.0	-7.737293E-07	2.936949E-05
436	G	9.792301E-05	-8.897744E-04	-4.785223E-05	0.0	-8.489530E-07	2.942159E-05
437	G	1.089646E-05	-8.049430E-04	4.997782E-06	1.483119E-05	0.0	4.484873E-05
438	G	1.280967E-05	-7.119102E-04	7.202018E-06	1.919383E-05	0.0	5.162749E-05
439	G	1.438902E-05	-6.053969E-04	9.487805E-06	2.062660E-05	0.0	5.857520E-05
440	G	1.544984E-05	-4.846393E-04	1.236377E-05	1.827582E-05	0.0	6.545418E-05
441	G	1.566121E-05	-3.505368E-04	1.506554E-05	1.374123E-05	0.0	7.236861E-05
442	G	1.437865E-05	-1.973247E-04	1.455704E-05	1.191706E-05	4.065470E-06	8.732900E-05
443	G	1.468156E-04	-2.000953E-04	-6.497381E-06	0.0	2.936592E-06	8.833229E-05
444	G	2.801940E-04	-2.082451E-04	-3.045562E-05	0.0	2.835984E-06	8.832187E-05
445	G	0.0	-8.991784E-04	4.460104E-06	2.181783E-05	0.0	0.0
445	G	2.994292E-06	-8.963244E-04	4.334636E-06	2.050339E-05	0.0	3.134422E-06
447	G	5.909907E-06	-8.846039E-04	3.962860E-06	1.771019E-05	0.0	1.005953E-05
448	G	8.810759E-06	-8.480032E-04	3.677710E-06	1.633275E-05	-7.743921E-07	2.982952E-05
449	G	5.360847E-05	-8.483455E-04	-2.013035E-05	0.0	-9.471922E-07	2.955765E-05
450	G	9.850392E-05	-8.489708E-04	-4.558623E-05	0.0	-1.100429E-06	2.957907E-05

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TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
451	G	1.110276E-05	-7.703239E-04	5.782066E-06	1.702213E-05	0.0	4.769921E-05
452	G	1.253170E-05	-6.694389E-04	8.101602E-06	1.936844E-05	0.0	5.460110E-05
453	G	1.331277E-05	-5.590317E-04	1.055897E-05	2.030974E-05	0.0	5.829157E-05
454	G	1.319713E-05	-4.413927E-04	1.334237E-05	1.872267E-05	0.0	6.254966E-05
455	G	1.198819E-05	-3.123153E-04	1.613447E-05	1.648227E-05	0.0	7.068108E-05
456	G	9.777913E-06	-1.595541E-04	1.842380E-05	1.496422E-05	-1.793065E-06	8.693438E-05
457	G	1.402300E-04	-1.602402E-04	-3.971985E-06	0.0	-2.321885E-07	8.576398E-05
458	G	2.710256E-04	-1.610190E-04	-2.793083E-05	0.0	1.264180E-06	8.610965E-05
459	G	0.0	-8.608103E-04	5.623687E-06	1.650589E-05	0.0	0.0
460	G	3.093443E-06	-8.593341E-04	5.456419E-06	1.643099E-05	0.0	1.846528E-06
461	G	6.141288E-06	-8.501939E-04	5.120555E-06	1.668268E-05	0.0	8.776559E-06
462	G	9.093711E-06	-8.143324E-04	5.236559E-06	1.655746E-05	-1.004654E-06	3.011928E-05
463	G	5.432317E-05	-8.143445E-04	-1.962831E-05	0.0	-1.233825E-06	2.982473E-05
464	G	9.959955E-05	-8.143266E-04	-4.432065E-05	0.0	-1.497504E-06	2.983799E-05
465	G	1.140386E-05	-7.338824E-04	6.752899E-06	1.672529E-05	0.0	4.951550E-05
466	G	1.282736E-05	-6.289608E-04	8.866151E-06	1.716973E-05	0.0	5.598326E-05
467	G	1.341152E-05	-5.165078E-04	1.124027E-05	1.741022E-05	0.0	5.820359E-05
468	G	1.307990E-05	-3.992596E-04	1.400573E-05	1.742228E-05	0.0	6.161598E-05
469	G	1.170508E-05	-2.709122E-04	1.749715E-05	1.706126E-05	0.0	7.011543E-05
470	G	9.474905E-06	-1.179888E-04	2.232353E-05	1.595166E-05	-2.965316E-06	8.622688E-05
471	G	1.389293E-04	-1.183578E-04	-2.137002E-06	0.0	-2.872292E-06	8.538035E-05
472	G	2.682880E-04	-1.184809E-04	-2.631384E-05	0.0	-2.680837E-06	8.508758E-05
473	G	0.0	-8.337393E-04	6.818866E-06	1.105874E-05	0.0	0.0
474	G	3.289021E-06	-8.308580E-04	6.686710E-06	1.246741E-05	0.0	3.314738E-06
475	G	6.507797E-06	-8.179536E-04	6.447945E-06	1.553858E-05	0.0	1.070148E-05
476	G	9.569055E-06	-7.795498E-04	6.859517E-06	1.701103E-05	-1.076392E-06	3.051471E-05
477	G	5.539182E-05	-7.798192E-04	-1.911345E-05	0.0	-1.431661E-06	3.019172E-05
478	G	1.012576E-04	-7.804614E-04	-4.273151E-05	0.0	-1.792250E-06	3.025765E-05
479	G	1.210617E-05	-6.985501E-04	7.882001E-06	1.608735E-05	0.0	4.903108E-05
480	G	1.394061E-05	-5.937987E-04	9.695481E-06	1.427934E-05	0.0	5.565376E-05
481	G	1.506915E-05	-4.803978E-04	1.187485E-05	1.396347E-05	0.0	5.873179E-05
482	G	1.526960E-05	-3.604747E-04	1.469117E-05	1.541962E-05	0.0	6.278951E-05
483	G	1.432094E-05	-2.291477E-04	1.900090E-05	1.724012E-05	0.0	7.090507E-05
484	G	1.217812E-05	-7.410382E-05	2.646817E-05	1.708287E-05	-4.257690E-06	8.697879E-05
485	G	1.425460E-04	-7.465912E-05	-4.071063E-08	0.0	-5.652546E-06	8.540781E-05
486	G	2.725993E-04	-7.537486E-05	-2.409934E-05	0.0	-6.802492E-06	8.546172E-05
487	G	0.0	-8.145389E-04	8.155528E-06	9.453111E-06	0.0	0.0
488	G	3.523712E-06	-8.075417E-04	8.096249E-06	1.158031E-05	0.0	6.921315E-06
489	G	7.014681E-06	-7.857599E-04	7.991372E-06	1.684709E-05	0.0	1.466590E-05
490	G	1.000576E-05	-7.419031E-04	9.079537E-06	1.990888E-05	-1.241887E-06	3.095302E-05
491	G	5.649051E-05	-7.445971E-04	-1.766359E-05	0.0	-1.436892E-06	3.069588E-05
492	G	1.029339E-04	-7.530830E-04	-3.918473E-05	0.0	-1.606838E-06	3.071252E-05
493	G	1.277603E-05	-6.625738E-04	9.318149E-05	1.726963E-05	0.0	4.650095E-05
494	G	1.552542E-05	-5.633358E-04	1.094442E-05	1.304069E-05	0.0	5.361148E-05
495	G	1.792096E-05	-4.501878E-04	1.295764E-05	1.213980E-05	0.0	5.988030E-05
496	G	1.975101E-05	-3.244921E-04	1.581956E-05	1.461299E-05	0.0	6.608543E-05
497	G	2.067786E-05	-1.852544E-04	2.062813E-05	1.911826E-05	0.0	7.340850E-05
498	G	1.959954E-05	-2.637217E-05	3.109903E-05	1.985252E-05	-1.048998E-05	8.765458E-05
499	G	1.520004E-04	-2.900435E-05	3.101838E-06	0.0	-9.649862E-06	8.781643E-05
500	G	2.843839E-04	-3.727719E-05	-1.966774E-05	0.0	-9.780252E-06	8.768389E-05

*12/10/81*

TEMP LOAD OF 1 C POSITIVE BENDING ON PLATE<

SUBCASE 3

D I S P L A C E M E N T V E C T O R

POINT ID.	TYPE	T1	T2	T3	R1	R2	R3
501	G	0.0	-7.880137E-04	9.951800E-06	1.988666E-05	0.0	0.0
502	G	3.327565E-06	-7.776420E-04	9.979072E-06	2.053048E-05	-2.307191E-07	1.049581E-05
503	G	6.706615E-06	-7.467554E-04	9.721973E-06	2.197041E-05	1.174613E-06	1.960940E-05
504	G	1.013311E-05	-6.966069E-04	7.651233E-06	2.317932E-05	-4.436998E-07	3.116002E-05
505	G	1.357260E-05	-6.215309E-04	1.118436E-05	2.207665E-05	-1.423316E-06	4.254529E-05
506	G	1.711292E-05	-5.278599E-04	1.309394E-05	2.104774E-05	-4.441488E-07	5.114952E-05
507	G	2.083788E-05	-4.149517E-04	1.519949E-05	2.082049E-05	-8.703992E-07	6.081682E-05
508	G	2.498309E-05	-2.834522E-04	1.837955E-05	2.167626E-05	-2.017532E-06	7.008866E-05
509	G	2.998523E-05	-1.346942E-04	2.324632E-05	2.273904E-05	-1.109473E-06	7.720769E-05
510	G	3.629149E-05	2.844972E-05	3.016996E-05	2.346034E-05	-7.858847E-06	8.588494E-05
511	G	0.0	-7.975900E-04	-2.035787E-05	2.044800E-05	0.0	0.0
512	G	1.874573E-05	-7.871969E-04	-2.104937E-05	2.069323E-05	6.443604E-07	0.0
513	G	3.741936E-05	-7.560577E-04	-2.352938E-05	2.220065E-05	2.064180E-06	0.0
514	G	5.688750E-05	-7.043420E-04	-2.628364E-05	2.153551E-05	-4.571199E-07	3.114202E-05
515	G	7.618408E-05	-6.307277E-04	-2.215731E-05	2.221121E-05	-2.130162E-06	0.0
516	G	9.430725E-05	-5.371908E-04	-1.874387E-05	2.126992E-05	-8.940000E-07	0.0
517	G	1.121657E-04	-4.241741E-04	-1.656743E-05	2.148074E-05	-6.599342E-07	0.0
518	G	1.297240E-04	-2.924998E-04	-1.446237E-05	2.193052E-05	-9.028486E-07	0.0
519	G	1.469847E-04	-1.432619E-04	-1.156730E-05	2.372479E-05	-1.077020E-06	0.0
520	G	1.650253E-04	2.214873E-05	-4.672541E-06	2.221385E-05	-6.433216E-06	8.566149E-05
521	G	0.0	-8.278226E-04	-5.124265E-05	2.067126E-05	0.0	0.0
522	G	3.437500E-05	-8.173955E-04	-5.242556E-05	2.078760E-05	1.173744E-06	0.0
523	G	6.879796E-05	-7.857853E-04	-5.424726E-05	1.974480E-05	-5.365123E-07	0.0
524	G	1.035252E-04	-7.293264E-04	-5.297105E-05	1.580777E-05	-4.913497E-07	3.105398E-05
525	G	1.378169E-04	-6.604621E-04	-5.295982E-05	1.974708E-05	6.275120E-07	0.0
526	G	1.709500E-04	-5.674043E-04	-5.097108E-05	2.138228E-05	-9.840378E-07	0.0
527	G	2.031606E-04	-4.544326E-04	-4.906747E-05	2.181911E-05	-3.219331E-07	0.0
528	G	2.345285E-04	-3.227280E-04	-4.799347E-05	2.237718E-05	-8.732673E-08	0.0
529	G	2.653631E-04	-1.728383E-04	-4.498282E-05	2.187421E-05	-3.556431E-06	0.0
530	G	2.967136E-04	0.0	-3.308372E-05	1.734984E-05	-7.810339E-06	8.811829E-05

*P. 6/01*