

中国三江平原龍頭橋典型区

農業開発計画実施調査

最終報告書

付属書 第II編 事業計画資料

(その2)

1984年3月

国際協力事業団

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(その2)

国際協力事業団

国際協力事業団	
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マイクロ
フィシ」作誌

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1.7 有限要素法・変形解析

- (1) プログラム入力及び出力表
- (2) 関連図

有限要素法変形解析

(1) 概要

本ゴムは土質地盤上のゴムであり、ゴム荷重によってかまりの変形が生じる。この変形による内部応力の動向に対して、堤体及び基礎が安全であるかの検証として、本解析を行った。

本解析では、盛土については非線形、基礎については線形解析とした。

(2) パラメータ（定数、変数等）

変形解析に必要な各種パラメータは下表とした。このうち、三軸試験の実施されている不透水及び半透水ゾーンについては、非圧密非排水三軸の歪と応力関係図を使用し、Duncanの整理方法により、非線形のパラメータ（ n, K, R_f ）を定めた。その他については一般的な値を使用した。

基礎の変形係数Eは $E = 10 \cdot N \text{ kg/cm}^2$ (ただしN: 破砕貫入N値)の経験式より定めた。

表-1 パラメータ表

区分	内部摩擦角中 [度]	粘着力 C [kg/cm ²]	単位重量 γ [kg/cm ³]	ポアソン比 ν	初期変形係数 K [kg/cm ²]	係数 n	残留 R _f	線形変形係数 E [kg/cm ²]
堤体	不透水ゾーン	17.0	0.37	0.00185	0.45	60	0.93	
	半透水ゾーン	36.0	0	0.00208	0.40	280	0.83	
	抗凍層	36.0	0	0.00208	0.35	500	0.35	
	ジャンケット	12.0	0.18	0.00198	0.45	60	0.93	
	リフト	39.0	0	0.00200	0.35	400	0.35	
基礎	上層	35.0	0	0.00200	0.40			300
	中層	40.0	0	0.00200	0.40			400
	下層	45.0	0	0.00200	0.40			500

(3) 解析断面

本ダムは堤高に比して、堤長が非常に長いので、堤体横断方向のみの二次元解析とした。

基盤の花崗岩は、本ダムの規模に対して十分に剛性を有すると判断できるので、花崗岩上面と不変境界面とした。側面両端部からの解析上の影響を考慮し、法長相当以上の解析断面幅を保持した。

これらの結果、要素数 918 節点数 506 の規模の解析となった。

(4) 載荷方法

ダムの実際の工事に近似させるべく、階段方式の載荷を解析上取り入れた。この階段数は 5 段とした。(計算機内部では 8 段載荷であるが、この内 3 段は基礎の構成過程を考慮したものである。)

(5) 解析結果

1. 変形量

基礎地盤の沈下変形はダム軸下で最も大きく白川 22^{cm} (節点番号 298) の沈下が生じた。

堤体自体の変形としては、周囲のゾーンに比して剛性の小さな不透水ゾーンが傾斜しているため、やや上流側に向く変形

と述べている。

本解析では階段載荷時の盛土の変位を累積する形態としたため、一括ダム盛土の変形に類似した変形量を示している。したがって、施工中の観測計が示す沈下量とは性質を異にするところがある。

2. 内部応力

1) 引張り応力

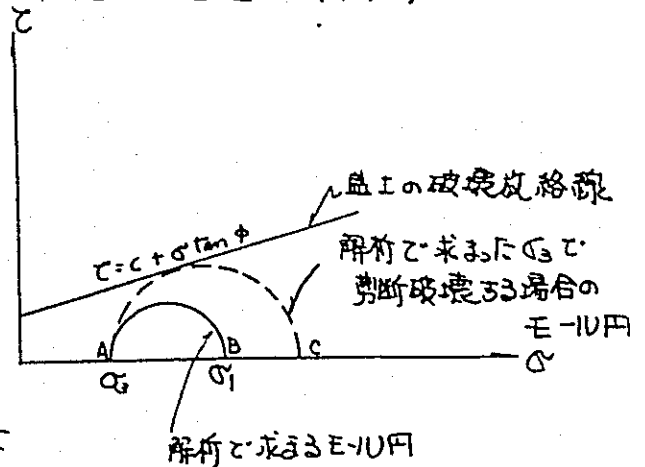
盛土表面の抗張力に引張り応力が現れる。有限要素法の解析上、自由端となる表面は引張り応力が出やすく、特に問題となるものはない。盛土内部及び基礎には引張り応力が発生していない。

2) 剪断破壊

局部剪断破壊に対する安全性として下記のSL値が本解析では使用されている。

$$SL = \frac{AB}{AC}$$

(右図より、SLが小さい程、剪断破壊に対して安全である。)



SL分布図を図-5に示している。同図に

おいて、 $SL \geq 0.9$ の区域が局部剪断破壊を生じているか、生じやすい位置を示している。フィルターの剪断破壊の徴候が高いが、これは不透水性フィルターの剛性が低く、フィルターに負担をかけている為である。フィルター自体は、このような場合に緩衝役として設置されるもので、特にダム

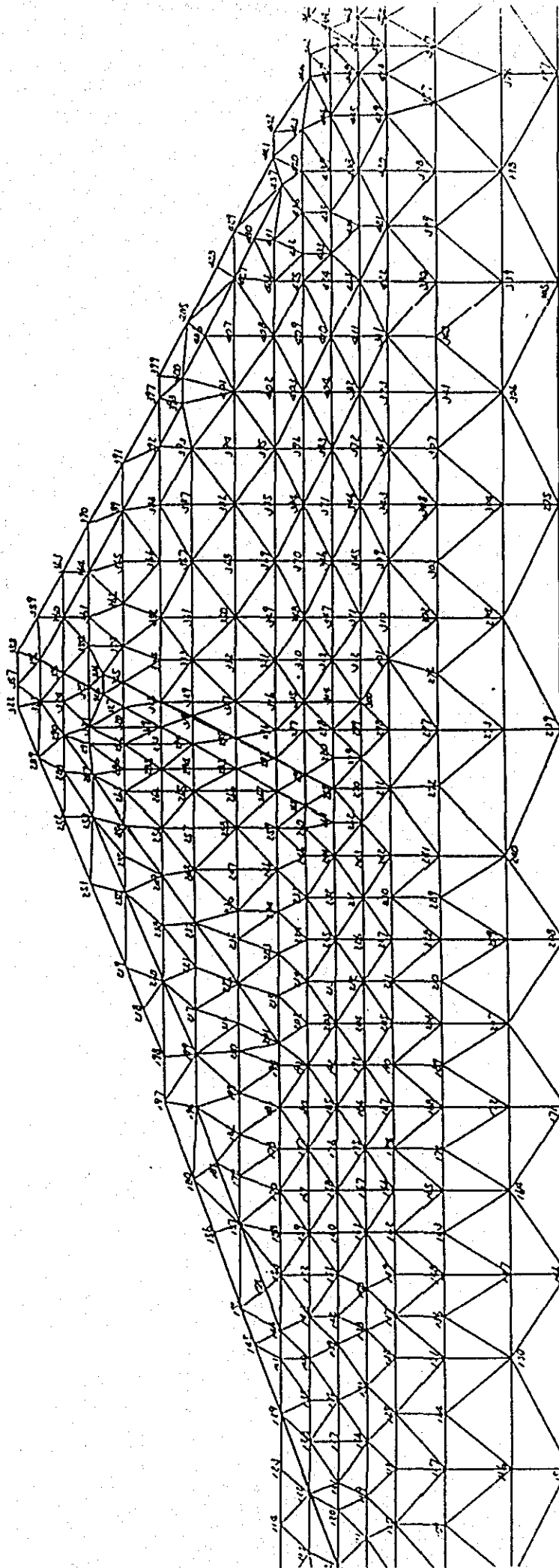
構造上問題はないと判断される。

不透水性ゾーンの内部にも剪断破壊が生じやすい領域が認められている。これは前記のフィルクゾーンが剪断破壊しやすいことのため、フィルクの変形係数が急低下した解析の影響を受けているためである。

ダム構造上、最も重要度の高い不透水ゾーンと基礎との接合部はSL値が小さく、安全度のあるダムであると判定できる。

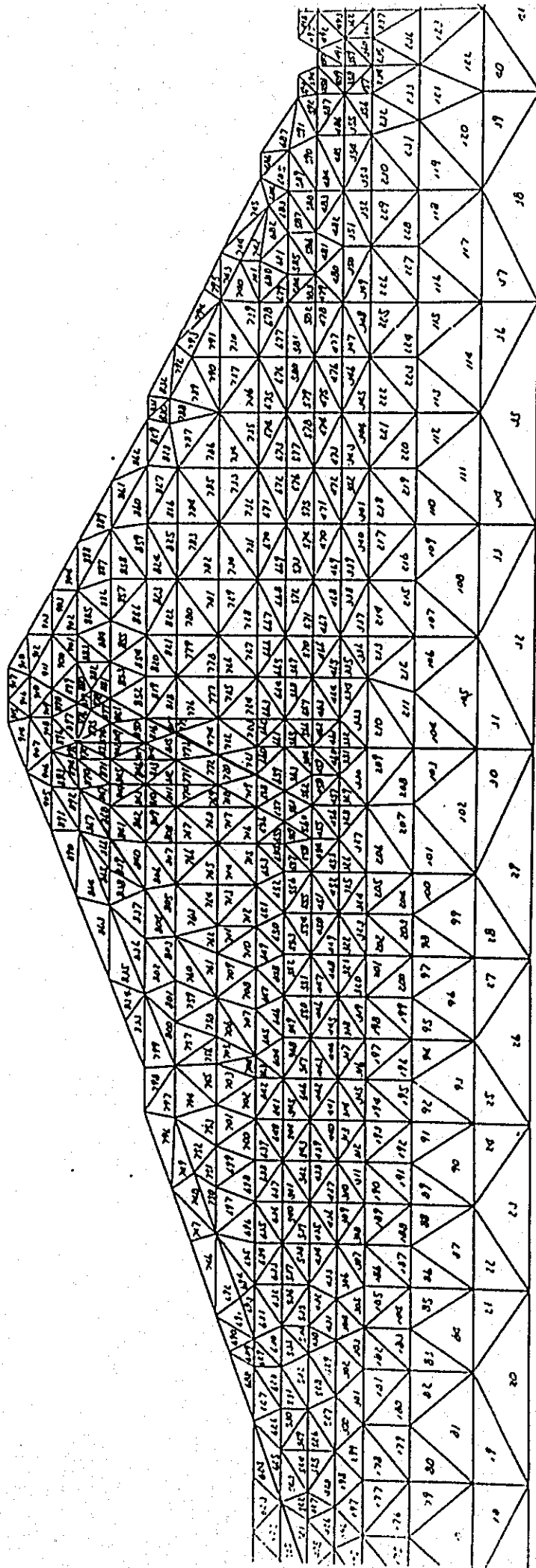
(6) その他

本解析の要素図、節点図、主応力図、変位図、SL図等を図1~5に示す。また、電子計算機処理の出力表及びプログラムリストを別冊にて示した。



變形解桁 節點會号圖 (縮尺 1/500)

圖-1



变形结构
要素号图 (横尺 1/500)

图-2

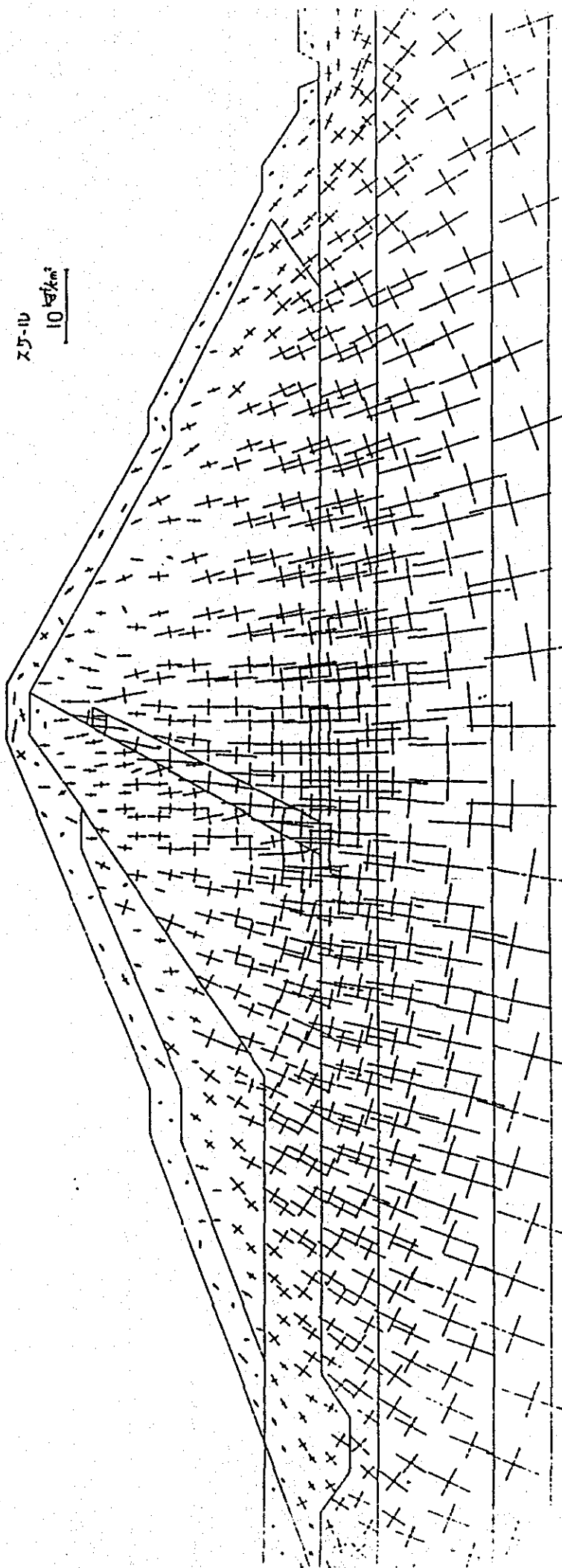


図-3

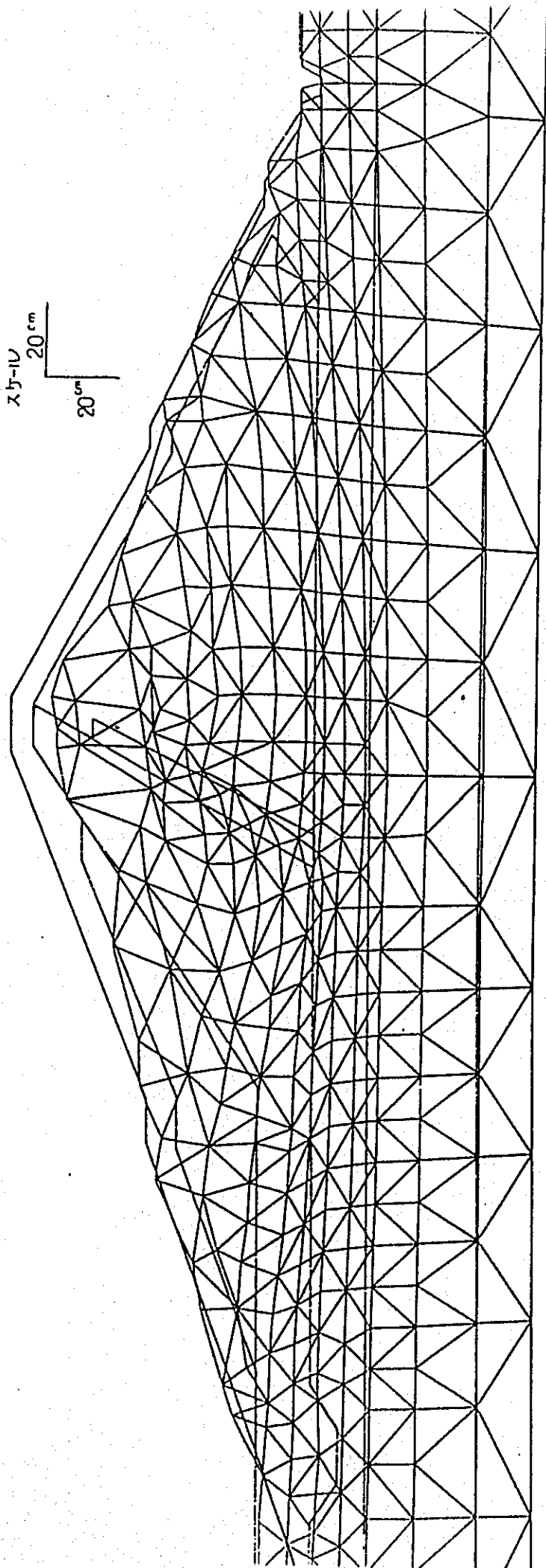
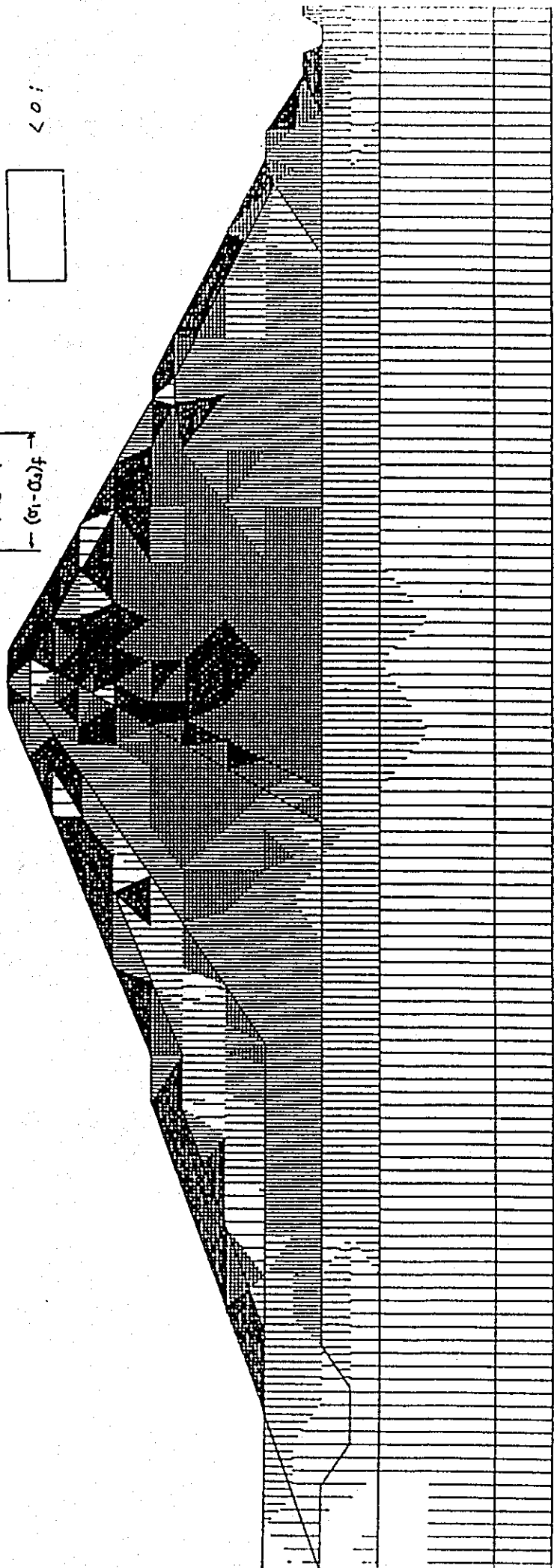
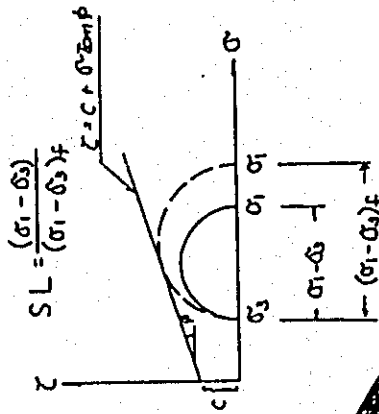


図-4 変位分布図 (縮尺 1/500)

SL值



各种材料 SL 分布图

图 - 5

BRUN

9FTN=OCIS S,R

FTN 10M1-1A 74R1-F 11/29/83 01:16:10 (->0)

```

1. C .....
2. C * * * * *
3. C * * * * *
4. C * * * * *
5. C * * * * *
6. C * * * * *
7. C * * * * *
8. C * * * * *
9. C * * * * *
10. C * * * * *
11. C * * * * *
12. C * * * * *
13. C * * * * *
14. C * * * * *
15. C * * * * *
16. C * * * * *
17. C * * * * *
18. C * * * * *
19. C * * * * *
20. C * * * * *
21. C * * * * *
22. C * * * * *
23. C * * * * *
24. C * * * * *
25. C * * * * *
26. C * * * * *
27. C * * * * *
28. C * * * * *
29. C * * * * *
30. C * * * * *
31. C * * * * *
32. C * * * * *
33. C * * * * *
34. C * * * * *
35. C * * * * *
36. C * * * * *
37. C * * * * *
38. C * * * * *
39. C * * * * *
40. C * * * * *

```

(1) プログラム入力及び出力表

角点線計算

```

41. SURROUTINE INPUT
42. C
43. C READING AND PRINTING OF INPUT DATA
44. C
45. C TITLE .. TITLE OF THE PROBLEM

```

変数入力

入力変数説明欄

TITLE 題目名

变数入力

入力变数说明欄

TITLE 题目名

NBLK 有限材料領域数

NPLANE 平面歪問題 ~1
平面歪問題 ~2
軸対称問題 ~3
自重のみ ~1
表面荷重のみ ~2
自重 + 表面荷重 ~3

NLOAD 要素間節点番号 (各要素)
節点座標 (各節点)
変位境界条件 (各節点)
x, y 方向自由 ~0 x 固定自由 ~1
y 固定 x 自由 ~2 x, y 固定 ~3

NOD 有限材料領域番号 (各要素)

XY 節点座標 (各節点)

KODE 変位境界条件 (各節点)

NEB 有限材料領域番号 (各要素)

DIMX x, y 方向縮尺

DIMY x, y 方向縮尺

BELA 初期設定弾性率 (各領域)

BYNT 初期設定 poisson 比

BGAM 単体体積重量

LAYER 全層数

NON 弾性計算 ~0 非線形計算 ~1

BCOF(1,K) 粘着力

" (2,K) 摩擦角

" (3,K) k

" (4,K) n

" (5,K) Rf

" (6,K) G

" (7,K) F

" (8,K) a

NTPLE 表面荷重載荷節点個数

NPL 節点番号

PXY 表面荷重

NLYR(1,L) 自重載荷要素番号 (最初)

" (2,L) (最後)

" (3,L) 最終節点番号

41. SURROUTINE INPUT
42. C
43. C READING AND PRINTING OF INPUT DATA
44. C
45. C TITLE ** FILE OF THE PROBLEM

49. C MBLK ** NUMBER OF BLOCKS
50. C NPLANE ** PLANE STRAIN
51. C NPLANE=1 ... PLANE STRESS
52. C NPLANE=2 ... AXI-SYMMETRIC
53. C NPLANE=3 ... (X=R, Y=Z BELOW)
54. C NLOAD ** BODY FORCE ONLY
55. C NLOAD=1 ... SURFACE LOAD ONLY
56. C NLOAD=2 ... BODY FORCE AND SURFACE LOAD
57. C NLOAD=3 ... THREE-NODAL POINT NUMBERS OF ELEMENT

58. C NOD(J,I) ** X,Y-COORDINATES OF NODAL POINT
59. C XY(J,I) ** X,Y-FREE
60. C KODE(I)=0 ** X-FIX AND Y-FREE
61. C KODE(I)=1 ** X-FIX AND Y-FIX
62. C KODE(I)=2 ** X-FIX AND Y-FIX
63. C KODE(I)=3 ** X,Y-FIX

64. C NEB(I) ** BLOCK NUMBER OF ELEMENT
65. C DIMX,DIMY ** MULTIPLIER OF X,Y-COORDINATES
66. C BELA(K) ** YOUNG'S MODULUS OF EACH BLOCK
67. C BYNT(K) ** POISSON'S RATIO OF EACH BLOCK
68. C BGAM(K) ** UNIT WEIGHT OF EACH BLOCK
69. C LAYER ** NUMBER OF LAYERS
70. C NON ** NON=1 (NON-LINEAR) -7, NON=0 (ELASTIC)

71. C NLYR(1,L) ** START ELEMENT NUMBER FOR BODY FORCE
72. C NLYR(2,L) ** END ELEMENT NUMBER
73. C NLYR(3,L) ** END NODAL POINT NUMBER OF EACH LAYER
74. C NLYR(4,L) ** END NODAL POINT NUMBER OF EACH LAYER
75. C BCOF(1,K) ** COHESION
76. C BCOF(2,K) ** ANGLE OF INTERNAL FRICTION
77. C BCOF(3,K) ** PARAMETER-K OF HYPERBOLIC STRESS-STRAIN
78. C BCOF(4,K) ** PARAMETER-N
79. C BCOF(5,K) ** PARAMETER-RF
80. C BCOF(6,K) ** PARAMETER-G
81. C BCOF(7,K) ** PARAMETER-F
82. C BCOF(8,K) ** PARAMETER-D

83. C NTPLE ** TOTAL NUMBER OF NODAL POINTS ON SURFACE LOAD
84. C NPL(K) ** NUMBER OF NODAL POINT ON SURFACE LOAD
85. C PXY(K,J) ** X,Y-SURFACE LOAD
86. C
87. C COMMON /JUL1/ NELEM,NODIN,NEQ,NB,NBLK,NPLANE,NLOAD
88. C COMMON /BL2/ HOD(3,920),XY(2,510),NEB(920),KODE(510)
89. C COMMON /JUL3/ ED(9,920),DMA(3,920),AREA(920)
90. C COMMON /HL4/ U(510),V(510),EPP(4,920),SSS(4,920)
91. C COMMON /HL5/ BELA(9),BYNT(9),BGAM(9)
92. C COMMON /HL6/ NTPLE,NPL(30),PXY(30,2)
93. C COMMON /LYR/ LAYER,NLYR(3,20),ANESI
94. C COMMON /NPL/ NON,BCOF(8,9),EET(920),YNT(920)
95. C DIMENSION TITLE(20)

96. C
97. C READ(5,1000) TITLE
98. C READ(5,1020) NELEM,NPOIN,NB,NBLK,NPLANE,NLOAD
99. C READ(5,1020) (M,NOD(J,I),J=1,3),I=1,NELEM)
100. C READ(5,1030) (XY(1,I),XY(2,I),I=1,NPOIN)
101. C READ(5,1010) (KODE(I),I=1,NPOIN)
102. C READ(5,1010) (NEB(I),I=1,NELEM)
103. C READ(5,1030) DIMX,DIMY
104. C DO 1 I=1,NBLK
105. C READ(5,1030) BELA(I),BYNT(I),BGAM(I)
106. C READ(5,1020) LAYER,NON
107. C READ(5,1020) ((NLYR(J,I),J=1,3),I=1,LAYER)
108. C IF(NON.EQ.0) GO TO 7

变数入力

変数入力

```

109. DO 3 I=1,NBLK
110. 3 READ(5,1030) (BCOF(J,I),J=1,8)
111. 7 CONTINUE
112. IF(HLOAD,LT,2) GO TO 5
113. READ(5,1020) NPL
114. READ(5,1020) (NPL(I),I=1,NTPL)
115. READ(5,1030) (PXY(I,1),PXY(I,2),I=1,NTPL)
116. 5 CONTINUE
117. C
118. WRITE(6,2000) TITLE
119. WRITE(6,2010) NELEM,NPOIN,NB,NBLK,NPLANE,NLOAD
120. WRITE(6,2020) (I,KODE(I),XY(1,I),XY(2,I),I=1,NPOIN)
121. WRITE(6,2030) (I,NEB(I),(NOD(J,I),J=1,3),I=1,NELEM)
122. WRITE(6,2040) DIMX,DIMY
123. WRITE(6,2050) (LABEL(I),BYN(I),BGAM(I),I=1,NBLK)
124. WRITE(6,2100) LAYER,NON
125. WRITE(6,2110) (CNLYR(J,I),J=1,3),I=1,LAYER)
126. IF(NON,EQ,0) GO TO 8
127. WRITE(6,2120) (I,(BCOF(J,I),J=1,8),I=1,NBLK)
128. 8 CONTINUE
129. IF(HLOAD,LT,3) GO TO 6
130. WRITE(6,2060) (NPL(I),PXY(I,1),PXY(I,2),I=1,NTPL)
131. 6 CONTINUE

```

変数出力(輸出)

```

132. C
133. 1000 FORMAT(20A4)
134. 1010 FORMAT(80I1)
135. 1020 FORMAT(16I5)
136. 1030 FORMAT(8F10.0)
137. 2000 FORMAT(1H,/,1H,130(1H,/,1H,128X,1H,/,1H,24X,20A4,24X,
138. *1H,/,1H,128X,1H,/,1H,130(1H,))
139. 2010 FORMAT(71H,42HNELEM * NPOIN * NB * NBLK * NPLANE * NLOAD
140. *//1H,/(15,2X))
141. 2020 FORMLA(11H,20HPOIN,NO,*,*,KODE,*,*,X,*,*,Y//
142. * (1H,3X,(15,15,2F10.3,2H,*)
143. 2030 FORMAT(//1H,31NELEMENT * NEB * THREE NODES//
144. * 3H,4(26H NO, BLOCK I J K ,3X//
145. * (1H,4(215,4X))
146. 2040 FORMAT(//1H,15HDIMX * DIMY *//1H,2F10.2)
147. 2050 FORMLA(11H,15HLOCK DATA *//1H,2X,3HBLK,13,8X,
148. *5HBELA=,F10.3,5X,5HBYNT=,F7.3,5X,5HBYGAM=,F10.4)
149. 2060 FORMAT(//1H,16HSURFACE LOAD *//1H,2X,3HNP,15,5X,
150. *3HPX=,F10.3,5X,3HPTY=,F10.3)
151. 2100 FORMAT(//1H,16HLAYER AND STRESS-STRAIN DATA *//1H
152. *//1H,2X,1LAYER=,14,5X,1NDN=,13)
153. 2110 FORMLA(11H,1LAYER START END P,END)
154. *//1H,4X,12,3(5X,13))
155. 2120 FORMAT(//1H,1BLK
156. *W RF
157. *//1H,4X,12,4X,8E12.3))
158. C
159. NEB2=NPOIN
160. DO 10 I=1,NPOIN
161. XY(1,I)=XY(1,I)*DIMX
162. XY(2,I)=XY(2,I)*DIMY
163. 10 CONTINUE
164. DO 12 I=1,NELEM

```

入力仕様

出力仕様

初期設定

```

169. SSS(J,I)=0.0
170. FPP(J,I)=0.0
171. 12 CONTINUE
172. DO 14 I=1,NP*IN
173. U(I)=0.0
174. V(I)=0.0
175. 14 CONTINUE
176. C
177. RETURN
178. END

```

[B]行列作成

```

179. SUBROUTINE EOMAT
180. C *****
181. C FORM=EB=MATRIX
182. C *****
183. COMMON /BL1/ NELEM,NPOIN,NEQ,NB,NBLK,NPLANE,NLOAD
184. COMMON /BL2/ HOD(3,920),XY(2,510),NEB(920),KODE(510)
185. COMMON /BL3/ EB(9,920),DHA(3,920),AREA(920)
186. DIMENSION XI(3),YI(3)
187. DEL=3.-161593

```

[B] = EB

```

188. C
189. DO 20 M=1,NELEM
190. DO 21 J=1,3
191. JJ=MOD(1,N)
192. XI(1)=XY(1,J)
193. YI(1)=XY(2,J)
194. 21 CONTINUE
195. R1=YI(2)-YI(1)
196. R2=YI(3)-YI(1)
197. R3=YI(1)-YI(2)
198. C1=XI(3)-XI(2)
199. C2=XI(1)-XI(3)
200. C3=XI(2)-XI(1)
201. AA=(C1*YI(1)+C2*YI(2)+C3*YI(3))*0.5
202. AREA(N)=AA
203. A2=1.0/(2.0*AA)
204. EU(1,N)=B1*A2
205. EB(2,N)=U2*A2
206. FB(3,N)=B3*A2
207. EB(4,N)=C1*A2
208. FB(5,N)=C2*A2
209. EB(6,N)=C3*A2
210. EB(7,N)=0.0
211. EB(8,N)=0.0
212. FB(9,N)=0.0
213. IF(NPLANE.LT.3) GO TO 20
214. ORR=(XI(1)+XI(2)+XI(3))/3.0
215. OZZ=(YI(1)+YI(2)+YI(3))/3.0
216. OZR=OZZ/URR
217. O1=XI(2)+XI(3)-XI(1)+YI(2)
218. O2=XI(3)+YI(1)-XI(1)+YI(3)
219. O3=XI(1)+YI(2)-XI(2)+YI(1)
220. FB(7,N)=(O1/URR+B1+C1*OZR)*A2

```

三角形要素断面積

```

221. EB(8,N)=(D2/URR+B2+C2+OZR)*A2
222. FB(9,N)=(D3/URR+B3+C3+OZR)*A2
223. AREA=MJ*2.0*DEL*ORR*AA
224. 20 CONTINUE
225. C
226. RETURN
227. END

```

加力~歪行列作成
[D]≡DMA

```

228. SUBROUTINE DMAHAT
229. C *****
230. C FORM DMA-MATRIX
231. C *****
232. COMMON /BL1/ MELEM, MPOIN, MED, MB, HBLK, NPLANE, NLOAD
233. COMMON /BL2/ MOD(3,920), XY(2,510), NEB(920), KODE(510)
234. COMMON /BL3/ EB(9,920), DMA(3,920), AREA(920)
235. COMMON /BL5/ BELA(9), BYNT(9), BGAM(9)
236. COMMON /IYIP/ NON, BCOF(8,9), EET(920), YNT(920)
237. C

```

```

238. DO 40 N=1,MELEM
239. EE=ELI(N)
240. YN=YNT(N)
241. YN1=1.0+YN
242. YN2=1.0-YN
243. YN3=1.0-2.0*YN
244. IF(NPLANE.NE.2) GO TO 10
245. YN4=YN1+YN2
246. DMA(1,N)=EE/YN4
247. DMA(2,N)=EE*YN/YN4
248. GO TO 15
249. 10 CONTINUE
250. YN4=YN1*YN3
251. DMA(1,N)=EE*YN2/YN4
252. DMA(2,N)=EE*YN/YN4
253. 15 DMA(3,N)=EE/(2.0*YN1)
254. 40 CONTINUE
255. C
256. RETURN
257. END

```

剛性行列作成
[K]≡ST

```

258. SUBROUTINE STIFF
259. C *****
260. C FORM STIFFNESS MATRIX (ST)
261. C *****

```

```

265. COMMON /BLB/ ST(1020,90),P(1020)
266. DIMENSION DC(4,4),BA(4,6),DBA(4,6),C(6,6),LM(6)
267. C
268. MM=3
269. IF(NPLANE.EQ.3) MM=4
270. DO 10 I=1,MB
271. DO 10 J=1,MEY
1 10 ST(J,I)=0.0
272. DO 1 J=1,MM
273. DO 2 K=1,MM
2 20 C(I,K)=0.0
274. DO 1 J=1,6
275. RA(I,J)=0.0
276.
277.
278.
279. C
280. DO 100 M=1,MELEM
AA=AREA(M)
281. RA(1,1)=EB(1,M)
282. RA(1,3)=EB(2,M)
283. HA(1,5)=EB(3,M)
284. RA(2,2)=EB(4,M)
285. HA(2,4)=EB(5,M)
286. RA(2,6)=EB(6,M)
287. HA(3,1)=BA(2,2)
288. RA(3,3)=BA(2,4)
289. HA(3,5)=UA(2,6)
290. RA(3,5)=BA(1,3)
291. RA(3,4)=BA(1,3)
292. RA(3,6)=BA(1,5)
293. DC(1,1)=DMA(1,M)
294. DC(1,2)=DMA(2,M)
295. DC(3,3)=DMA(3,M)
296. DC(2,1)=DC(1,2)
297. DC(2,2)=DC(1,1)
298.
299. IF(NPLANE.LT.3) GO TO 30
300. RA(4,1)=EB(7,M)
301. RA(4,3)=EB(8,M)
302. RA(4,5)=EB(9,M)
303. DC(1,4)=DC(1,2)
304. DC(2,4)=DC(1,2)
305. DC(4,1)=DC(1,2)
306. DC(4,2)=DC(1,2)
307. DC(4,4)=DC(1,1)
308.
30 CONTINUE
309. DO 3 I=1,MM
DO 3 J=1,6
DBA(I,J)=0.0
DO 3 K=1,MM
DBA(I,J)=DBA(I,J)+D(I,K)*BA(K,J)
3 CONTINUE
DO 4 I=1,6
DO 4 J=1,6
CC(I,J)=0.0
DO 4 K=1,MM
CC(I,J)=CC(I,J)+DBA(K,I)*DBA(K,J)*AA
4 CONTINUE
316.
317.
318.
319.
320.
321. C
322. LM(2)=2*MOD(1,M)
323. LM(1)=LM(2)-1
324. LM(4)=2*MOD(2,M)

```

[D][B]

[C] = [B] * [D] * [B] * A 需要副性行列

```

325. LM(3)=LM(4)-1
326. (M(6)=2*NOB(3,N)
327. LMS=LM(6)-1
328. DO 200 I=1,6
329. DO 200 J=1,6
330. IJ=LM(I)
331. IJ=LM(J)
332. IF(I+JJ) 210,210,200
333. IJ=JJ+1
334. ST(I+JJ)=ST(I,I)+C(I,J)
335. 200 CONTINUE
336. 100 CONTINUE
337. C
338. RETURN
339. END

```

ST: 全体面内行列

荷重行列作成
{P} = P

```

340. SUBROUTINE PLOAD
341. C*****
342. C FORM LOAD VECTOR (P)
343. C*****
344. COMMON /BL1/ NELEM,NPOIN,NEQ,NB,NBLK,NPLANE,NLOAD
345. COMMON /BL2/ MUD(3,920),XY(2,510),NER(920),KODE(510)
346. COMMON /UL3/ EB(9,920),DMA(3,920),AREA(920)
347. COMMON /BL5/ BELA(9),BYNT(9),BGAM(9)
348. COMMON /BL6/ NTPL,NPL(30),PXY(30,2)
349. COMMON /BL7/ SIL(20,90),PL(1020)
350. COMMON /LYR/ LAYER,NLYR(3,20),NEST
351. C
352. DO 300 I=1,NEQ
353. P(I)=D,0
354. IF(NLOAD.EQ.2) GO TO 310
355. C
356. C BODY FORCE
357. C
358. DO 100 H=NEST,NELEM
359. NBL=NEB(N)
360. W=BGAM(NBL)*AREA(N)/3.0
361. DO 110 J=1,3
362. IJ=MOD(I,N)
363. 110 P(2+JJ)=P(2+JJ)+W
364. 100 CONTINUE
365. IF(NLOAD.EQ.1) RETURN
366. 310 CONTINUE
367. C
368. C SURFACE LOAD
369. C
370. DO 200 I=1,NTPL
371. WN=2*HPL(I)
372. P(NM-1)=P(NM-1)+PXY(I,1)
373. P(NM)=P(NM)+PXY(I,2)

```

自重

表面荷重

377.

END

变位边界条件输入，建立二次方程式解

```

378. SUBROUTINE DISPL
379. C *****
380. C BOUNDARY CONDITIONS AND SOLVE EQUATION
381. C *****
382. COMMON /BL1/ NELEM,NPOIN,NEQ,NB,NBLK,NPLANE,NLOAD
383. COMMON /BL2/ NOD(3,920),XY(2,510),HEB(920),KODE(510)
384. COMMON /BL3/ U(510),V(510),EPP(4,920),SSS(4,920)
385. COMMON /BL8/ ST(1020,90),P(1020)

```

BOUNDARY CONDITION

```

386. C
387. C
388. C
389. NO=500,N=1,NPOIN

```

```

390. KO=KODE(M)
391. NR=2*N

```

```

392. IF(KO-1) 500,150,125
393. 125 IF(KO-3) 250,150,500
394. 150 NNI=NR-1
395. UV=U(N)

```

```

396. GO TO 200
397. 250 KO=KO-1
398. NNI=NN
399. UV=V(N)
400. 200 IF(NNI.GE.NB) GO TO 355
401. N=NNI

```

```

402. GO TO 360
403. 355 M=NB
404. 360 DO 400 I1=1,M
405. K=NNI-(I1-1)
406. P(K)=P(K)-ST(K,I1)*UV
407. 400 ST(K,I1)=0.0
408. DO 425 I1=2,NB
409. K=NNI+(I1-1)
410. IF(K=NEQ) 450,450,425
411. 450 P(K)=P(K)-ST(NNI,I1)*UV
412. 425 ST(NNI,I1)=0.0
413. ST(NNI,I1)=1.0
414. P(NNI)=UV
415. IF(KO.EQ.3) GO TO 250
416. 500 CONTINUE
417. C
418. C
419. C

```

```

420. CALL SYNEQ (ST,P,NEQ,NB)
421. C
422. DO 600 N=1,NPOIN
423. U(N)=U(N)+P(2*N-1)
424. V(N)=V(N)+P(2*N)
425. 600 CONTINUE
426. WRITE(6,3000) (U(I),V(I),I=1,NPOIN)
427. FORMAT(//1H,19HUI5PLACEMENTS *****//1H,
428. 1 4(SHPOIN1,5X,5HUCM),8X,5HV(CM),2X,2H* )/

```

边界条件输入

建立二次方程式解

变位出力

应力计算, 定数修正

```

429. 1 (1H, 4(14, 2X, 1PE10, 3, 3H, , 1PE10, 3, 3H, * ))
430. C
431. RETURN
432. END
    
```

```

433. SUBROUTINE STRESS
434. C*****
435. C CALCULATION OF STRESS AND STRAIN
436. C*****
437. COMMON /BL1/ MELEM, NPOIN, NEQ, NB, NBLK, NPLANE, NLOAD
438. COMMON /BL2/ NOD(3, 920), XY(2, 510), NEB(920), KODE(510)
439. COMMON /BL3/ EB(9, 920), DMA(3, 920), AREA(920)
440. COMMON /BL4/ U(510), V(510), EPP(4, 920), SSS(4, 920)
441. COMMON /BL8/ ST(1020, 90), P(1020)
442. COMMON /HYP/ NDH, BCOF(8, 9), EET(920), YNT(920)
443. DIMENSION DIS(6), EPS(4), STS(4)
    
```

```

444. C
445. DEI=3.141593
446. MM=3
447. IFCMPLANE, EQ, 3, MM=4
448. WRITE(6, 4000)
449. 4000 FORMAT(//7H, 23HSTRESS AND STRAIN *+*+*+*//)
    
```

```

450. DO 700 I=1, 3
451. DO 710 J=1, 3
452. JJ=NOD(I, N)
453. DIS(2+I-1, J)=P(2+JJ-1)
454. DIS(2+I, J)=P(2+JJ)
455. 710 CONTINUE
    
```

```

456. EPS(1)=EB(1, N)*DIS(1)+EB(2, N)*DIS(3)+EB(3, N)*DIS(5)
457. EPS(2)=EB(4, N)*DIS(2)+EB(5, N)*DIS(4)+EB(6, N)*DIS(6)
458. EPS(3)=EB(1, N)*DIS(2)+EB(2, N)*DIS(4)+EB(3, N)*DIS(6)
459. EPS(4)=EB(4, N)*DIS(1)+EB(5, N)*DIS(3)+EB(6, N)*DIS(5)
460. EPS(4)=EB(7, N)*DIS(1)+EB(8, N)*DIS(3)+EB(9, N)*DIS(5)
461. STS(1)=DMA(1, N)*EPS(1)+DMA(2, N)*EPS(2)+EPS(4)
462. STS(2)=DMA(1, N)*EPS(2)+DMA(2, N)*EPS(1)+EPS(4)
463. STS(3)=DMA(3, N)*EPS(3)
464. STS(4)=DMA(1, N)*EPS(4)+DMA(2, N)*EPS(1)+EPS(2)
465. DO 720 I=1, MM
    
```

```

466. SSS(I, N)=SSS(I, N)+STS(I)
467. EPP(I, N)=EPP(I, N)+EPS(I)
468. 720 CONTINUE
469. DO 730 I=1, MM
470. STS(I)=SSS(I, N)
471. EPS(I)=EPP(I, N)
    
```

```

472. 730 CONTINUE
473. NIFE=SORI((EPS(1)-EPS(2))+2*EPS(3))*2
474. EP1=(EPS(1)+EPS(2)+NIFE)*0.5
475. EP2=(EPS(1)+EPS(2)-NIFE)*0.5
476. FPG=EP1-EP2
477. ALE=EP1/2.0
    
```



```

481. SUMM=(STS(1)+STS(2))*0.5
482. OIFS=STS(1)-STS(2)
483. DD=OIFS**2+4.0*STS(3)**2
484. DDIF=SQR(DD)*0.5
485. ST1=SUMM*DDIF
486. ST2=SUMM-DDIF
487. ANG=PEI*0.25
488. IF(OIFS.NE.0.0) ANG=0.5*ATAN(2.0*STS(3)/OIFS)
489. IFC(STS(1).LT.STS(2)) ANG=ANG+PEI*0.5
ALPHA=57.29578*ANG

```

C
C
C
C

```

490. MODIFY EET AND YNT
491.
492.
493.
494.
495. IF(NON.EQ.0) GO TO 800
NBL=MECMJ
PHI=BCOF(2,NBL)*PEI/180.0
CP=CDS(PHI)
SP=SIH(PHI)
ST3=ABS(ST1)
SSL=(1.0-SP)*DDIF/(BCOF(1,NBL)*CP*ST3*SP)
IF(SSL.GT.0.95) SSL=0.95
FEI=BCOF(3,NBL)*ST3*BCOF(4,NBL)
CX1=1.0-BCOF(5,NBL)*SSL
CX2=BCOF(6,NBL)-BCOF(7,NBL)*ALOG10(ST3)
CX3=BCOF(8,NBL)*2.0*DDIF
EET(N)=FEI*CX1**2
YNT(N)=CX2/(1.0-CX3/EET(N))**2

```

非線形着入 (弾性率, Poisson比 修正)

800 CONTINUE
WRITE(6,4001) N,DDIF,EPG,STS(4),EPS(4),EET(N),YNT(N),SSL

WRITE(6,4002) (STS(I),I=1,3),ST1,ST2,ALPHA

WRITE(6,4003) (EPS(I),I=1,3),EP1,EP2,ALEPS

4001 FORMAT(1H,4HELM,15,3X,4HTAU=,E12.4,3X,4HEPG=,E12.4,3X,
4HST1=,E12.4,3X,4HEI1=,E12.4,3X,4HEI2=,E11.3,3X,4HYNT=,

*F6.3,3X,4HSL=,F6.3)
4002 FORMAT(1H,4HSTX=,E14.6,3X,4HSTY=,E14.6,3X,4HSTZ=,E14.6,5X,4HST1=,

*E14.6,3X,4HST2=,E14.6,5X,6HALPHA=,F6.2)

4003 FORMAT(1H,4HEPX=,E14.6,3X,4HEPY=,E14.6,3X,4HEXY=,E14.6,5X,4HEP1=,
*F14.6,3X,4HEP2=,E14.6,5X,6HALEPS=,F6.2)

700 CONTINUE
C

RETURN
END

建立一次方程式-解法 (消去法)

SUBROUTINE SYMEO (SI,P,NEQ,NB)
DIMENSION ST(1020,90),P(1020),SST(100)

```

523. L=0
524. MNB=NB
525. DO 1,N=1,NEQ
526. ST1=ST(N,1)
527. IFC(SI1.EQ.0.0) GO TO 10
528. P(N)=P(N)/ST1
529. MNEQ=M-NEQ
530. IF(MNEQ) 15,20,15

```

```

1 533. 15 IF(NB.GE.(1-MNEQ)) MNB=1-MNEQ
1 534.   DO 2 I=1,MNB
2 535.   SST(I)=S(L(I),I)
2 536.   2 CONTINUE
1 537.   DO 3 J=2,MNB
2 538.   IF(ST(H,J)) 55,3,35
2 539.   35 ST(N,J)=ST(N,J)/ST1
2 540.   JJ=N+J-1
2 541.   MNB=MNB-1A1
2 542.   DO 4 I=1,MNB
3 543.   IM=I+J-1
3 544.   ST(J,I)=ST(I,J,I)-SST(IN)+ST(N,J)
3 545.   4 CONTINUE
2 546.   P(J)=P(JJ)-SST(J)*P(N)
2 547.   3 CONTINUE
1 548.   1 CONTINUE
549.   20 MNB=MNB-1
550.   L=L+1
551.   M=N-1
552.   IF(N) 50,50,55
553.   55 IF(L-MNB)-60,60,65
554.   60 LB=L
555.   60 TO 70
556.   65 LB=MNB
557.   70 DO 8 J=1,LB
558.   JJ=N+J
559.   P(NJ)=P(LJ)+S(L,N,J)*P(JJ)
1 560.   8 CONTINUE
561.   60 TO 20
562.   50 RETURN
563.   END

```

END_FTN_2090_IBANK_1652_DBANK_120670_CDMHDH

ENTERING USER PROGRAM

SANKOU-HEIGEN DAM

MELEM * HPOIN * HB * HBIK * HPLAVE * HLOAD

91B 506 HB B 1 1

POINT NO.*** KODE *** K *** Y

1	3	1,000	4,000	2	1	1,000	6,000	3	1	1,000	8,000	4	1	1,000	10,000
5	7	1,000	11,500	6	1	1,000	12,500	7	0	4,500	8,000	8	0	4,500	10,000
9	0	4,500	11,500	10	0	4,500	12,800	11	3	7,500	4,000	12	0	7,500	6,000
13	0	7,500	8,000	14	0	7,500	10,000	15	0	7,500	11,500	16	0	7,500	12,800
17	0	10,500	6,000	18	0	10,500	10,000	19	0	10,500	11,500	20	0	10,500	12,800
21	3	13,000	4,000	22	0	13,000	6,300	23	0	13,000	8,000	24	0	13,000	10,000
25	0	13,000	11,500	26	0	13,000	12,800	27	0	15,000	10,000	28	0	15,100	11,500
29	0	13,200	12,500	30	0	17,000	8,000	31	0	17,000	10,000	32	0	17,000	11,500
33	0	17,000	12,800	34	0	17,000	14,000	35	3	20,000	4,000	36	0	20,000	6,000
37	0	20,000	8,000	38	0	20,000	10,000	39	0	23,500	11,500	40	0	23,500	12,800
41	0	20,000	14,000	42	0	23,500	8,000	43	0	23,500	10,000	44	0	23,500	11,500
45	0	23,500	12,800	46	0	23,500	14,000	47	3	27,000	4,000	48	0	27,000	6,000
49	0	27,000	8,000	50	0	27,000	10,000	51	0	30,500	11,500	52	0	30,500	12,800
53	0	27,000	14,000	54	0	30,500	8,000	55	0	34,000	10,000	56	0	34,000	11,500
57	0	30,500	12,800	58	0	34,000	14,000	59	3	34,000	4,000	60	0	34,000	6,000
61	0	34,000	8,000	62	0	34,000	10,000	63	0	34,000	11,500	64	0	34,000	12,800
65	0	34,000	14,000	66	0	37,000	8,000	67	0	37,000	10,000	68	0	37,000	11,500
69	0	37,000	12,800	70	0	37,000	14,000	71	3	40,000	4,000	72	0	40,000	6,000
73	0	40,000	8,000	74	0	40,000	10,000	75	0	42,500	11,500	76	0	42,500	12,800
77	0	40,000	14,000	78	0	42,500	6,000	79	0	42,500	8,000	80	0	42,500	10,000
81	0	42,500	11,500	82	0	42,500	12,800	83	0	42,500	14,000	84	0	42,500	16,000
85	0	45,000	10,000	86	0	45,000	11,500	87	0	45,000	12,800	88	0	45,000	14,000
89	3	47,000	4,000	90	0	47,000	6,000	91	0	47,000	8,300	92	0	47,000	10,000
93	0	47,000	11,500	94	0	47,000	12,800	95	0	47,000	14,000	96	0	49,000	16,000
97	0	49,000	10,000	98	0	49,000	11,000	99	0	48,500	12,000	100	0	49,000	12,800
101	0	49,000	14,000	102	0	51,000	6,000	103	0	51,000	8,300	104	0	51,000	10,000
105	0	51,000	11,000	106	0	50,000	12,000	107	0	50,600	12,800	108	0	50,500	14,000
109	0	53,000	8,300	110	0	53,000	10,000	111	0	52,500	11,000	112	0	51,500	12,000
113	0	52,000	13,000	114	0	53,000	14,000	115	3	55,000	4,000	116	0	55,000	6,000
117	0	55,000	8,300	118	0	55,000	10,000	119	0	54,000	11,000	120	0	53,500	12,000
121	0	54,500	12,000	122	0	54,100	13,000	123	0	55,000	14,000	124	0	57,000	16,000
125	0	57,000	10,000	126	0	56,000	11,000	127	0	56,000	12,000	128	0	56,000	13,000
129	0	57,000	14,000	130	0	59,000	6,000	131	0	59,000	8,300	132	0	59,000	10,000
133	0	56,000	11,000	134	0	57,500	12,000	135	0	57,500	13,000	136	0	60,500	16,000
137	0	60,500	10,000	138	0	60,000	11,000	139	0	59,500	12,000	140	0	59,000	13,000
141	0	59,000	14,000	142	0	60,500	12,000	143	0	60,500	13,000	144	0	60,000	14,000
145	0	59,500	14,900	146	3	62,000	4,000	147	0	62,000	6,000	148	0	62,000	8,300
149	0	62,000	10,000	150	0	61,500	11,000	151	0	62,000	12,000	152	0	62,000	13,000
153	0	62,000	14,000	154	0	61,500	14,500	155	0	60,800	15,400	156	0	63,500	16,300
157	0	63,800	12,400	158	0	63,500	14,000	159	0	63,500	13,000	160	0	63,500	12,000
161	0	63,500	11,000	162	0	63,500	10,000	163	0	65,500	8,300	164	0	65,000	6,000
165	0	65,000	8,300	166	0	65,000	10,000	167	0	65,000	11,000	168	0	65,000	12,000
169	0	65,000	13,000	170	0	65,000	14,000	171	3	68,000	4,000	172	0	68,000	6,000
173	0	66,500	8,300	174	0	66,500	10,000	175	0	66,500	11,000	176	0	66,500	12,000
177	0	66,500	13,000	178	0	66,500	14,000	179	0	65,500	15,400	180	0	65,400	17,000

181	0	66,000	16,200	182	0	67,000	15,400	183	0	68,000	14,000	184	0	68,000	13,000
185	0	68,000	12,000	186	0	68,000	11,000	187	0	68,000	10,000	188	0	68,000	8,300
189	0	69,500	8,300	190	0	69,500	10,000	191	0	69,500	11,000	192	0	69,500	12,000
193	0	69,500	13,000	194	0	69,500	14,000	195	0	68,500	15,400	196	0	68,000	16,900
197	0	68,200	18,000	198	0	69,800	18,000	199	0	69,900	16,900	200	0	70,000	15,400
201	0	70,300	14,000	202	0	71,000	13,000	203	0	71,000	12,000	204	0	71,000	11,000
205	0	71,000	10,000	206	0	71,000	8,300	207	0	71,000	6,000	208	3	74,000	4,000
209	0	74,000	6,000	210	0	72,500	8,300	211	0	72,500	10,000	212	0	72,500	11,000
213	0	72,500	12,000	214	0	72,500	13,000	215	0	72,000	14,000	216	0	71,000	15,400
217	0	71,500	16,900	218	0	71,500	18,700	219	0	73,000	19,300	220	0	72,500	18,000
221	0	73,000	16,900	222	0	72,400	15,400	223	0	73,500	14,000	224	0	74,000	13,000
225	0	74,000	12,000	226	0	74,000	11,000	227	0	74,000	10,000	228	0	74,000	8,300
229	0	75,500	8,300	230	0	75,500	10,000	231	0	75,500	11,000	232	0	75,500	12,000
233	0	75,500	13,000	234	0	75,000	14,000	235	0	74,000	15,400	236	0	75,000	15,400
237	0	74,600	16,900	238	0	74,500	18,000	239	3	81,500	4,000	240	0	77,000	6,000
241	0	77,000	8,300	242	0	77,000	10,000	243	0	77,000	11,000	244	0	77,000	12,000
245	0	77,000	13,000	246	0	76,500	15,000	247	0	76,500	15,400	248	0	76,500	16,900
249	0	76,300	18,000	250	0	75,700	19,300	251	0	76,000	20,500	252	0	78,400	21,400
253	0	78,400	24,000	254	0	78,100	19,300	255	0	77,000	19,300	256	0	78,000	19,900
257	0	78,000	16,900	258	0	76,000	15,400	259	0	78,000	14,000	260	0	78,000	13,000
261	0	78,200	12,000	262	0	78,200	11,000	263	0	79,300	19,300	264	0	79,300	18,000
265	0	79,300	16,900	266	0	79,300	15,400	267	0	79,300	14,000	268	0	78,800	13,000
269	0	72,400	12,000	270	0	72,400	11,000	271	0	79,500	10,000	272	0	79,500	8,300
273	0	81,500	6,000	274	0	85,500	6,000	275	3	89,500	4,000	276	0	83,500	8,300
277	0	81,500	8,300	278	0	81,500	10,000	279	0	80,500	11,000	280	0	80,500	12,000
281	0	79,900	13,000	282	0	80,500	14,000	283	0	80,100	15,400	284	0	80,100	16,900
285	0	80,100	18,000	286	0	80,100	19,300	287	0	79,500	20,400	288	0	80,000	21,400
289	0	80,500	22,300	290	0	81,300	21,400	291	0	81,000	20,500	292	0	81,000	19,300
293	0	81,000	18,000	294	0	81,000	16,900	295	0	81,200	15,400	296	0	81,500	15,000
297	0	81,500	13,000	298	0	81,500	12,000	299	0	81,500	11,000	300	0	82,500	11,000
301	0	84,000	10,000	302	0	85,500	8,300	303	0	87,500	8,300	304	0	89,500	6,000
305	3	97,500	4,000	306	0	93,500	6,000	307	0	91,500	8,300	308	0	89,500	8,500
309	0	87,500	10,000	310	0	85,500	10,000	311	0	85,300	11,000	312	0	84,000	11,000
313	0	84,000	12,000	314	0	82,500	12,000	315	0	82,500	13,000	316	0	82,500	14,000
317	0	82,500	15,400	318	0	82,000	16,900	319	0	81,600	18,000	320	0	81,600	19,300
321	0	81,600	20,500	322	0	82,300	23,000	323	0	82,500	22,200	324	0	82,500	21,400
325	0	83,000	20,500	326	0	82,800	20,000	327	0	82,300	19,300	328	0	82,500	18,000
329	0	82,500	16,900	330	0	84,000	13,000	331	0	84,000	14,000	332	0	84,000	15,400
333	0	84,000	16,900	334	0	84,000	18,000	335	0	83,200	19,300	336	0	83,500	20,000
337	3	103,000	4,000	338	0	101,500	6,000	339	0	97,300	6,000	340	0	95,500	8,300
341	0	93,500	8,300	342	0	91,300	10,000	343	0	89,500	10,000	344	0	89,300	11,000
345	0	87,500	11,000	346	0	87,500	12,000	347	0	85,300	12,000	348	0	85,500	13,000
349	0	85,500	14,000	350	0	85,200	15,400	351	0	85,300	16,900	352	0	85,500	18,000
353	0	84,500	19,300	354	0	84,500	20,500	355	0	83,500	21,400	356	0	84,000	22,200
357	0	83,100	23,000	358	0	84,300	23,000	359	0	85,500	22,300	360	0	85,500	21,400
361	0	85,300	20,500	362	0	86,000	19,300	363	0	87,100	21,400	364	0	87,100	20,500
365	0	87,500	19,300	366	0	87,500	18,000	367	0	87,300	16,900	368	0	87,500	15,400
369	0	87,500	14,000	370	0	87,500	13,000	371	0	89,300	12,000	372	0	91,500	11,000
373	0	93,500	10,000	374	3	111,000	4,000	375	0	108,000	6,900	376	0	105,000	6,000
377	0	104,000	6,300	378	0	101,500	8,300	379	0	97,500	8,300	380	0	97,500	8,300
381	0	95,500	10,000	382	0	93,500	11,000	383	0	91,500	12,000	384	0	89,500	13,000
385	0	89,500	14,000	386	0	89,500	15,400	387	0	89,500	16,900	388	0	89,500	18,000
389	0	89,300	19,300	390	0	88,800	20,500	391	0	91,000	19,300	392	0	91,600	18,000
393	0	91,500	16,900	394	0	91,500	15,400	395	0	91,500	14,000	396	0	91,500	13,000
397	0	91,300	18,000	398	0	91,100	17,200	399	0	94,100	18,000	400	0	94,000	17,200
401	0	93,500	15,400	402	0	93,500	14,000	403	0	93,500	13,000	404	0	93,500	12,000
405	0	96,000	17,000	406	0	95,500	16,400	407	0	95,500	15,500	408	0	95,500	15,000

421	0	99,500	10,000	422	0	97,500	10,000	423	0	97,500	11,000	424	0	97,500	12,000
425	0	97,500	15,000	426	0	97,500	14,000	427	0	97,600	15,600	428	0	98,000	16,000
429	0	99,300	15,600	430	0	99,000	16,700	431	0	99,000	16,000	432	0	98,500	13,000
433	0	98,500	12,000	434	0	99,500	11,000	435	0	100,000	12,000	436	0	100,000	13,000
437	0	101,000	13,700	438	0	101,500	11,000	439	0	101,500	12,000	440	0	101,500	13,000
441	0	102,000	14,000	442	0	102,900	14,000	443	0	103,000	13,000	444	0	103,500	12,000
445	0	103,500	11,000	446	0	104,200	12,700	447	0	105,000	12,000	448	0	105,000	11,000
450	3	120,000	4,000	450	0	120,000	6,000	451	0	117,500	8,000	452	0	115,000	8,000
453	0	113,000	8,000	454	0	111,000	8,000	455	0	111,000	10,000	456	0	109,500	10,000
457	0	108,000	10,000	458	0	107,000	10,000	459	0	106,000	10,000	460	0	106,000	11,000
461	0	106,000	12,000	462	0	103,700	12,700	463	0	107,000	12,700	464	0	106,600	12,000
465	0	107,000	11,000	466	0	108,000	11,000	467	0	108,000	12,000	468	0	108,000	12,700
469	0	102,500	12,700	470	0	102,500	12,000	471	0	102,500	11,000	472	0	111,000	12,700
473	0	111,000	11,500	474	0	113,000	12,700	475	0	113,000	11,500	476	0	113,000	10,000
477	0	115,000	12,700	478	0	115,000	11,500	479	0	115,000	10,000	480	0	117,500	12,700
481	0	117,500	11,500	482	0	117,500	10,000	483	3	126,000	4,000	484	0	126,000	6,000
485	0	123,000	8,000	486	0	120,000	8,000	487	0	120,000	10,000	488	0	120,000	11,500
489	0	120,000	12,700	490	0	123,000	12,700	491	0	123,000	11,500	492	0	123,000	10,000
493	0	126,000	12,700	494	0	126,000	11,500	495	0	126,000	10,000	496	0	126,000	8,000
497	0	129,500	12,700	498	0	129,500	11,500	499	0	129,500	10,000	500	0	129,500	8,000
501	3	133,000	6,000	502	1	133,000	6,000	503	1	133,000	8,000	504	1	133,000	10,000
505	1	135,000	11,500	506	1	135,000	12,700								

ELEMENT *** MEH *** THREE NODES

NO. BLOCK	I	J	K	NO. BLOCK	I	J	K	NO. BLOCK	I	J	K	NO. BLOCK	I	J	K		
1	8	1	12	2	8	1	11	12	3	8	11	12	4	8	21		
5	8	21	36	6	8	21	36	7	8	35	47	36	8	8	47		
9	8	47	60	10	8	47	60	11	8	59	71	60	12	8	71		
13	8	71	78	14	8	71	89	78	15	8	89	90	16	8	89		
17	8	89	115	102	18	8	115	116	102	19	8	115	130	116	130		
21	8	149	167	130	22	8	166	164	147	23	8	171	164	172	164		
25	8	171	207	172	26	8	208	207	171	27	8	208	207	207	207		
29	8	259	240	208	30	8	240	239	273	31	8	239	273	32	8	273	
33	8	275	304	274	34	8	306	304	275	35	8	305	306	36	8	305	
37	8	338	339	305	38	8	337	358	305	39	8	376	338	40	8	375	
41	8	374	375	337	42	8	414	375	374	43	8	413	414	44	8	412	
45	8	450	413	412	46	8	449	450	412	47	8	449	484	48	8	483	
49	8	501	484	483	50	8	502	484	501	51	7	2	12	7	2	12	
53	7	13	7	12	54	7	17	13	12	55	7	22	17	56	7	23	
57	7	22	30	23	58	7	36	30	22	59	7	30	36	60	7	42	
61	7	48	42	36	62	7	49	52	48	63	7	54	49	64	7	60	
65	7	61	54	60	66	7	66	61	60	67	7	72	66	68	7	73	
69	7	79	73	72	70	7	79	72	78	71	7	84	79	72	7	90	
73	7	91	84	90	74	7	96	91	90	75	7	102	96	90	7	103	
77	7	109	103	102	78	7	116	109	102	79	7	117	109	116	7	124	
81	7	130	124	116	82	7	131	124	130	83	7	136	131	130	84	7	147
85	7	148	136	147	86	7	163	148	147	87	7	164	163	147	88	7	165
89	7	175	165	164	90	7	172	173	164	91	7	172	188	173	92	7	189
93	7	207	189	172	94	7	208	189	207	95	7	210	206	207	96	7	209
97	7	228	210	209	98	7	229	228	209	99	7	240	229	209	100	7	241
101	7	274	241	240	102	7	273	272	240	103	7	277	272	273	104	7	276
105	7	274	276	273	106	7	302	276	274	107	7	303	302	274	108	7	304
109	7	308	303	304	110	7	307	308	304	111	7	306	307	304	112	7	341
113	7	340	341	306	114	7	339	340	306	115	7	380	340	339	116	7	379
117	7	338	379	339	118	7	378	379	338	119	7	377	378	338	120	7	376
121	7	417	377	376	122	7	417	376	376	123	7	416	417	375	124	7	415
125	7	414	415	375	126	7	454	415	414	127	7	453	454	414	128	7	413
129	7	452	453	413	130	7	451	452	413	131	7	450	451	413	132	7	486

133	7	485	484	450	134	7	485	485	450	135	7	494	485	484	136	7	500	496	484
137	7	502	500	484	138	7	503	500	502	139	7	5	8	4	140	7	7	8	3
141	7	13	8	7	142	7	14	8	13	143	7	18	14	13	144	7	17	18	13
145	7	23	18	17	146	7	24	18	23	147	7	27	24	23	148	7	30	27	23
149	7	31	27	30	150	7	38	31	30	151	7	37	38	30	152	7	42	38	37
153	7	43	38	42	154	7	50	43	42	155	7	49	50	42	156	7	54	50	49
157	7	55	50	54	158	7	62	55	54	159	7	61	62	54	160	7	66	62	61
161	7	67	62	66	162	7	74	67	66	163	7	73	74	66	164	7	79	74	73
165	7	80	74	79	166	7	85	80	79	167	7	84	85	79	168	7	91	85	84
169	7	92	85	91	170	7	97	92	91	171	7	96	97	91	172	7	103	97	96
173	7	104	97	103	174	7	110	104	103	175	7	110	103	109	176	7	117	110	109
177	7	118	110	117	178	7	125	118	117	179	7	124	125	117	180	7	131	125	124
181	7	132	125	131	182	7	137	132	131	183	7	136	137	131	184	7	148	137	136
185	7	149	137	148	186	7	162	149	148	187	7	163	162	148	188	7	165	162	163
189	7	166	162	165	190	7	174	166	165	191	7	173	174	165	192	7	188	174	173
193	7	187	174	188	194	7	190	187	188	195	7	189	190	188	196	7	189	206	190
197	7	205	190	206	198	7	211	205	206	199	7	210	211	206	200	7	228	211	210
201	7	227	211	228	202	7	230	227	228	203	7	229	230	228	204	7	241	230	229
205	7	242	230	241	206	7	271	242	241	207	7	272	271	241	208	7	277	271	272
209	7	277	278	271	210	7	301	278	277	211	7	276	301	277	212	7	302	301	276
213	7	310	301	302	214	7	309	310	302	215	7	303	309	302	216	7	308	309	303
217	7	343	309	308	218	7	342	343	308	219	7	307	342	308	220	7	341	342	307
221	7	373	342	341	222	7	381	373	341	223	7	340	381	341	224	7	380	381	340
225	7	422	381	380	226	7	421	422	380	227	7	379	421	380	228	7	378	421	379
229	7	420	421	378	230	7	419	420	378	231	7	377	419	378	232	7	418	419	377
233	7	437	418	377	234	7	459	418	417	235	7	458	459	417	236	7	416	458	417
237	7	457	458	416	238	7	455	457	416	239	7	456	457	415	240	7	455	456	415
241	7	454	455	415	242	7	453	455	414	243	7	476	455	453	244	7	479	476	453
245	7	452	479	451	246	7	451	479	452	247	7	482	479	451	248	7	451	487	482
249	7	486	487	451	250	7	485	487	486	251	7	492	487	485	252	7	495	492	485
253	7	496	495	485	254	7	500	495	496	255	7	499	495	500	256	7	504	499	500
257	7	504	500	503	258	7	5	8	5	259	7	5	8	9	260	7	8	15	9
261	6	14	14	15	262	6	14	18	15	263	6	15	18	19	264	6	18	25	19
265	6	18	24	25	266	6	24	27	25	267	6	25	27	28	268	6	27	32	28
269	6	27	31	32	270	6	31	38	32	271	6	32	38	39	272	6	38	44	39
273	6	38	43	44	274	6	43	50	44	275	6	44	50	51	276	6	50	56	51
277	6	50	55	56	278	6	55	62	56	279	6	56	62	63	280	6	62	68	63
281	6	62	67	68	282	6	67	74	68	283	6	68	74	75	284	6	74	81	75
285	6	74	80	81	286	6	80	85	81	287	6	81	85	86	288	6	85	93	86
289	6	85	92	93	290	6	92	98	93	291	6	92	97	98	292	6	97	104	98
293	6	98	104	105	294	6	104	111	105	295	6	104	110	111	296	6	110	119	111
297	6	110	118	119	298	6	118	126	119	299	6	118	125	126	300	6	126	125	133
301	6	125	132	133	302	6	132	138	133	303	6	132	137	138	304	6	137	150	138
305	6	137	149	150	306	6	149	161	150	307	6	149	162	161	308	6	162	166	161
309	6	161	166	167	310	6	166	175	167	311	6	166	174	175	312	6	174	187	175
313	6	175	187	186	314	6	187	191	186	315	6	187	190	191	316	6	190	205	191
317	6	191	205	204	318	6	205	212	204	319	6	205	211	212	320	6	211	227	212
321	6	212	227	226	322	6	227	231	226	323	6	227	230	231	324	6	230	242	231
325	6	231	242	243	326	6	242	242	243	327	6	242	271	262	328	6	262	271	270
329	6	271	279	270	330	6	271	278	279	331	6	279	278	299	332	6	278	300	299
333	6	278	301	300	334	6	301	312	300	335	6	301	311	312	336	6	301	310	311
337	6	310	309	311	338	6	311	309	345	339	6	309	344	345	340	6	309	343	344
341	6	343	342	344	342	6	344	342	372	343	6	342	382	372	344	6	342	373	382
345	6	373	381	382	346	6	382	381	411	347	6	381	423	411	348	6	381	422	423
349	6	422	421	423	350	6	423	421	434	351	6	421	438	434	352	6	421	420	438
353	6	420	419	438	354	6	438	419	445	355	6	419	448	445	356	6	419	418	448
357	6	418	419	448	358	6	458	419	459	359	6	458	419	459	360	6	458	418	459

373	6	482	487	481	374	6	481	487	488	375	6	487	491	488	376	6	487	492	491
377	6	492	495	491	378	6	491	495	494	379	6	495	496	494	380	6	495	499	498
381	6	499	504	498	382	6	498	504	505	383	6	5	10	6	384	6	5	9	10
385	6	9	15	10	386	6	10	15	16	387	6	15	20	16	388	6	15	19	20
389	6	12	25	20	390	6	20	25	26	391	6	25	29	26	392	6	25	28	29
393	6	28	32	29	394	6	29	32	33	395	6	32	40	33	396	6	32	39	40
397	6	39	44	40	398	6	40	44	45	399	6	44	52	45	400	6	44	51	52
401	6	51	56	52	402	6	52	56	57	403	6	56	64	57	404	6	56	63	64
405	6	63	68	64	406	6	64	68	69	407	6	68	76	69	408	6	68	75	76
409	6	75	81	76	410	6	76	81	82	411	6	81	87	82	412	6	81	86	87
413	6	80	93	87	414	6	87	93	94	415	6	93	99	94	416	6	93	100	94
417	6	99	106	100	418	6	106	107	100	419	6	106	112	107	420	6	93	98	99
421	6	94	106	99	422	6	98	105	106	423	6	105	112	106	424	6	105	111	112
425	6	111	126	112	426	6	111	119	120	427	6	119	121	120	428	6	119	126	121
429	6	133	138	139	430	6	138	142	139	431	6	138	150	142	432	6	150	151	142
433	6	150	161	151	434	6	161	160	151	435	6	161	168	160	436	6	161	167	168
437	6	167	175	168	438	6	175	176	168	439	6	175	185	176	440	6	175	186	185
441	6	186	191	185	442	6	191	192	185	443	6	191	203	192	444	6	191	204	203
445	6	204	212	203	446	6	203	212	213	447	6	212	225	213	448	6	212	226	225
449	6	226	231	225	450	6	231	232	225	451	6	231	244	232	452	6	231	243	244
453	6	263	262	244	454	6	262	261	244	455	6	262	269	261	456	6	262	270	269
457	6	270	279	269	458	6	279	280	269	459	6	279	298	280	460	6	279	299	298
461	6	299	300	298	462	6	298	300	314	463	6	300	313	314	464	6	300	312	313
465	6	311	313	312	466	6	311	347	313	467	6	311	346	347	468	6	311	345	346
469	6	345	344	346	470	6	346	344	371	471	6	344	383	371	472	6	344	372	383
473	6	372	382	383	474	6	383	382	404	475	6	382	410	404	476	6	382	411	410
477	6	411	423	410	478	6	410	423	424	479	6	423	433	424	480	6	423	434	433
481	6	434	435	433	482	6	434	436	435	483	6	435	438	439	484	6	436	444	439
485	6	438	445	444	486	6	445	446	444	487	6	448	447	444	488	6	448	461	447
489	6	446	460	461	490	6	460	464	461	491	6	460	465	464	492	6	465	467	464
493	6	465	466	467	494	6	466	471	467	495	6	467	471	470	496	6	467	470	469
497	6	464	467	463	498	6	463	467	468	499	6	467	469	468	500	6	467	470	469
501	6	470	472	469	502	6	470	473	472	503	6	473	475	472	504	6	472	475	474
505	6	475	477	474	506	6	475	478	477	507	6	478	481	477	508	6	477	481	480
509	6	481	489	480	510	6	481	488	489	511	6	488	491	489	512	6	489	491	490
513	6	491	493	490	514	6	491	494	493	515	6	494	498	493	516	6	498	497	493
517	6	498	506	497	518	6	498	505	506	519	6	505	512	507	520	6	505	512	513
521	6	512	520	522	522	6	512	520	522	523	6	520	528	524	524	6	520	527	528
525	6	520	526	527	526	6	526	534	527	527	6	534	533	528	528	6	534	533	528
529	6	534	535	534	530	6	534	535	528	531	6	534	540	535	532	6	534	539	540
533	6	539	543	540	534	6	539	542	543	535	6	542	541	543	536	6	541	542	543
537	6	541	549	542	538	6	541	540	549	539	6	540	548	549	540	6	540	549	548
541	6	548	556	549	542	6	548	556	549	543	6	556	564	549	544	6	556	563	548
545	6	556	563	564	546	6	556	563	564	547	6	563	571	564	548	6	563	570	564
549	6	563	571	572	546	6	563	571	572	547	6	571	579	572	548	6	571	578	579
553	6	579	587	584	550	6	579	587	584	551	6	587	595	584	552	6	587	594	595
557	6	587	595	596	554	6	587	595	596	555	6	595	603	596	556	6	595	602	603
561	6	596	604	605	558	6	596	604	605	559	6	604	612	605	560	6	604	611	612
565	6	604	612	613	562	6	604	612	613	563	6	612	620	613	564	6	612	619	620
569	6	613	621	622	566	6	613	621	622	567	6	621	629	622	568	6	621	628	629
573	6	622	630	631	570	6	622	630	631	571	6	630	638	631	572	6	630	637	638
577	6	631	639	640	574	6	631	639	640	575	6	639	647	640	576	6	639	646	647
581	6	640	648	649	578	6	640	648	649	579	6	648	656	649	580	6	648	655	656
585	6	649	657	658	582	6	649	657	658	583	6	657	665	658	584	6	657	664	665
589	6	658	666	667	586	6	658	666	667	587	6	666	674	667	588	6	666	673	674
593	6	667	675	676	590	6	667	675	676	591	6	675	683	676	592	6	675	682	683
597	6	676	684	685	594	6	676	684	685	595	6	684	692	685	596	6	684	691	692
601	6	685	693	694	598	6	685	693	694	599	6	693	701	694	600	6	693	700	701
605	6	694	702	703	602	6	694	702	703	603	6	702	710	703	604	6	702	709	710
609	6	703	711	712	606	6	703	711	712	607	6	711	719	712	608	6	711	718	719
613	6	712	720	721	610	6	712	720	721	611	6	720	728	721	612	6	720	727	728
617	6	721	729	730	614	6	721	729	730	615	6	729	737	730	616	6	729	736	737
621	6	730	738	739	618	6	730	738	739	619	6	738	746	739	620	6	738	745	746
625	6	739	747	748	622	6	739	747	748	623	6	747	755	748	624	6	747	754	755
629	6	748	756	757	626	6	748	756	757	627	6	756	764	757	628	6	756	763	764
633	6	757	765	766	630	6	757	765	766	631	6	765	773	766	632	6	765	772	773
637	6	766	774	775	634	6	766	774	775	635	6	774	782	775	636	6	774	781	782
641	6	775	783	784	638	6	775	783	784	639	6	783	791	784	640	6	783	790	791
645	6	784	792	793	642	6	784	792	793	643	6	792	800	793	644	6	792	799	800
649	6	793	801	802	646	6	793	801	802	647	6	801	809	802	648	6	801	808	809
653	6	802	810	811	650	6	802	810	811	651	6	810	818	811	652	6	810	817	818
657	6	811	819	820	654	6	811	819	820	655	6	819	827	820	656	6	819	826	827
661	6	820	828	829	658	6	820	828	829	659	6	828	836	829	660	6	828	835	836
665	6	829	837	838	662	6	829	837	838	663	6	837	845	838	664	6	837	844	845
669	6	838	846	847	666	6	838	846	847	667	6	846	854	847	668	6	846	853	854
673	6	847	855	856	670	6	847	855	856	671	6	855	863	856	672	6	855	862	863
677	6	856	864	865	674	6	856	864	865	675	6	864	872	865	676	6	864	871	872
681	6	865	873	874	678	6	865	873	874	679	6	873	881	874	680	6	873	880	881
685	6	874	882	883	682	6	874	882	883	683	6	882	890	883	684	6	882	889	890
689	6	883	891	892	686	6	883												

853	2	354	353	353	854	2	354	352	353	855	2	352	362	353	856	2	322	300	306
857	2	366	365	362	858	2	366	389	365	859	2	366	388	369	860	2	388	392	389
861	3	384	392	391	862	3	392	397	391	863	3	219	250	251	864	3	250	253	251
865	2	250	255	253	866	2	255	254	253	867	2	254	287	253	868	1	254	263	287
869	1	203	206	207	870	1	206	291	207	871	1	286	292	291	872	1	292	321	291
873	1	292	320	321	874	1	320	327	321	875	1	327	326	321	876	1	326	325	321
877	5	327	335	326	878	5	335	336	326	879	2	326	336	325	880	2	336	354	325
881	2	335	353	356	882	2	353	354	336	883	2	353	361	354	884	2	353	362	361
885	2	362	364	361	886	2	362	365	364	887	2	365	389	364	888	3	364	389	390
889	3	389	391	390	890	3	391	391	390	891	3	253	288	252	892	3	253	287	288
893	3	267	290	288	894	1	287	291	290	895	1	291	321	290	896	1	321	324	290
897	1	321	325	324	898	1	325	335	324	899	2	325	354	355	900	2	354	360	355
901	2	354	361	360	902	2	361	364	360	903	3	360	364	363	904	3	364	390	363
905	3	362	388	287	906	3	288	290	289	907	3	290	323	289	908	1	290	324	323
909	3	324	355	323	910	1	355	356	323	911	2	355	360	356	912	3	356	360	359
913	3	360	363	359	914	3	289	323	322	915	3	323	357	322	916	3	323	356	357
917	3	356	358	357	918	3	356	359	358										

DIMX = DIMY ***

250.00 250.00

BLOCK DATA *****

BLK 1	BE LAE	30.000	HYNTE	.450	RGAME	-.00198
BLK 2	BE LAE	140.000	HYNTE	.400	RGAME	-.00208
BLK 3	BE LAE	250.000	HYNTE	.350	RGAME	-.00208
BLK 4	BE LAE	30.000	HYNTE	.450	RGAME	-.00198
BLK 5	BE LAE	200.000	HYNTE	.350	RGAME	-.00200
BLK 6	BE LAE	300.000	HYNTE	.400	RGAME	-.00200
BLK 7	BE LAE	400.000	HYNTE	.400	RGAME	-.00200
BLK 8	BE LAE	500.000	HYNTE	.400	RGAME	-.00200

LAYER AND STRESS-STRAIN DATA *****

LAYER 8 NONE 1

LAYER START END P.END

1	1	518	506
2	519	687	506
3	688	745	506
4	746	795	506
5	796	832	506
6	833	862	506
7	863	904	506
8	905	918	506

BLK	COH	PHI	K	H	RF	G	F	D
1	.370+000	.130+002	.600+002	.430+000	.810+000	.450+000	.000	.000
2	.200+000	.230+002	.260+003	.830+000	.820+000	.400+000	.000	.000
3	.000	.140+002	.500+003	.350+000	.800+000	.350+000	.000	.000
4	.180+000	.120+002	.600+002	.430+000	.820+000	.450+000	.000	.000

5	.000	300+002	400+003	350+000	800+000	350+000	.000	.000
6	.000	350+002	300+003	.000	.700+001	400+000	.000	.000
7	.000	400+002	400+003	.000	100+001	400+000	.000	.000
8	.000	450+002	500+003	.000	100+001	400+000	.000	.000

LAYER NO. 8

DISPLACEMENTS *****

POINT	U(CH)	V(CH)	POINT	U(CH)	V(CH)	POINT	U(CH)	V(CH)	POINT	U(CH)	V(CH)
1	.000	.000	2	.000	3.262+002	3	.000	9.154+002	4	.000	1.768+001
5	.000	2.421+001	6	.000	3.129+001	7	-2.050+001	4.024+002	8	-2.482+001	1.240+001
9	-2.789+001	2.083+001	10	-2.892+001	2.794+001	11	.000	.000	12	-2.271+001	-2.965+002
13	-4.057+001	4.498+002	14	-5.017+001	1.550+001	15	-5.296+001	2.425+001	16	-5.411+001	3.170+001
17	-6.435+001	-5.226+002	18	-7.937+001	5.992+002	19	-8.566+001	1.809+001	20	-8.121+001	2.880+001
21	.000	.000	22	-4.142+001	-7.508+002	23	-8.378+001	-1.008+001	24	-1.072+000	-6.635+003
25	-1.196+000	7.260+002	26	-1.092+000	1.758+001	27	-1.543+000	-3.623+001	28	-1.570+000	-6.275+001
29	-1.457+000	-4.785+001	30	-1.094+000	-4.420+001	31	-1.273+000	-8.092+001	32	-1.578+000	-1.223+000
33	-1.335+000	-1.629+000	34	-1.763+000	-2.524+000	35	.000	.000	36	-5.158+001	-2.216+001
37	-9.090+001	-7.468+001	38	-1.170+000	-1.239+000	39	-1.280+000	-1.821+000	40	-1.253+000	-2.342+000
41	-3.293+000	-2.971+000	42	-2.517+001	-8.082+001	43	-9.585+001	-1.338+000	44	-1.051+000	-1.912+000
45	-1.073+000	-2.475+000	46	-1.056+000	-3.496+000	47	.000	.000	48	-3.152+001	-3.595+001
49	-6.486+001	-8.535+001	50	-8.159+001	-1.351+000	51	-9.727+001	-1.901+000	52	-1.024+000	-2.400+000
53	-1.082+000	-2.915+000	54	-6.213+001	-8.318+001	55	-8.627+001	-1.282+000	56	-9.993+001	-1.799+000
57	-1.101+000	-2.106+000	58	-1.148+000	-3.315+000	59	.000	.000	60	-3.258+001	-3.591+001
61	-7.176+001	-7.899+001	62	-9.020+001	-1.220+000	63	-1.158+000	-1.706+000	64	-1.236+000	-2.152+000
65	-1.334+000	-2.194+000	66	-8.605+001	-2.822+001	67	-1.194+000	-1.140+000	68	-1.383+000	-1.594+000
69	-1.469+000	-2.128+000	70	-1.554+000	-3.059+000	71	.000	.000	72	-5.143+001	-3.195+001
73	-2.129+000	-6.915+001	74	-3.505+000	-1.058+000	75	-1.723+000	-1.490+000	76	-1.879+000	-1.935+000
77	-2.023+000	-2.103+000	78	-6.976+001	-3.884+001	79	-1.423+000	-7.181+001	80	-1.927+000	-9.675+001
81	-2.198+000	-1.355+000	82	-2.394+000	-1.856+000	83	-2.470+000	-2.692+000	84	-1.875+000	-7.087+001
85	-2.438+000	-9.118+001	86	-2.763+000	-1.262+000	87	-2.855+000	-1.625+000	88	-3.009+000	-1.943+000
89	.000	.000	90	-1.123+000	-2.848+001	91	-2.451+000	-6.506+001	92	-2.981+000	-8.008+001
93	-3.302+000	-1.120+000	94	-3.435+000	-1.505+000	95	-3.466+000	-2.268+000	96	-2.989+000	-8.803+001
97	-3.643+000	-1.054+000	98	-3.962+000	-1.280+000	99	-3.290+000	-1.411+000	100	-3.940+000	-1.604+000
101	-4.135+000	-1.793+000	102	-1.755+000	-6.047+001	103	-3.555+000	-1.071+000	104	-4.319+000	-1.307+000
105	-4.720+000	-1.632+000	106	-4.320+000	-1.719+000	107	-4.360+000	-2.416+000	108	-4.778+000	-2.788+000
109	-4.122+000	-1.474+000	110	-5.061+000	-1.864+000	111	.000	.000	112	-5.042+000	-2.063+000
113	-5.500+000	-2.975+000	114	-6.453+000	-1.117+000	115	.000	.000	116	-2.115+000	-7.163+001
117	-6.603+000	-1.651+000	118	-5.098+000	-2.130+000	119	-6.021+000	-2.404+000	120	-5.901+000	-2.510+000
121	-6.291+000	-1.411+000	122	-7.204+000	-3.897+000	123	-9.823+000	-2.767+000	124	-5.059+000	-2.208+000
125	-6.422+000	-2.956+000	126	-6.717+000	-5.111+000	127	-8.719+000	-6.535+000	128	-1.100+001	-5.220+000
129	-1.627+001	-5.286+000	130	-2.527+000	-1.127+000	131	-5.432+000	-2.558+000	132	-1.017+000	-3.403+000
133	-7.751+000	-3.932+000	134	-7.068+001	-6.770+000	135	-1.439+001	-6.857+000	136	-5.734+000	-2.878+000
137	-2.601+000	-3.941+000	138	-8.955+000	-4.501+000	139	-1.096+001	-5.597+000	140	-1.763+001	-8.047+000
141	-2.123+001	-7.452+000	142	-3.125+001	-5.377+000	143	-1.904+001	-8.346+000	144	-2.373+001	-9.502+000
145	-2.320+001	-1.106+000	146	.000	.000	147	-2.645+000	-1.236+000	148	-5.994+000	-3.062+000
149	-8.045+000	-4.738+000	150	-9.731+000	-5.062+000	151	-1.183+001	-6.347+000	152	-2.068+001	-8.587+000
153	-2.750+001	-1.037+001	154	-2.639+001	-1.056+000	155	-2.739+001	-4.189+000	156	-2.729+001	-6.200+000
157	-3.135+001	-1.490+001	158	-2.916+001	-1.257+001	159	-2.260+001	-1.047+001	160	-1.237+001	-7.091+000
161	-1.055+001	-6.163+000	162	-8.440+000	-4.893+000	163	-6.210+000	-3.424+000	164	-2.836+000	-1.513+000
165	-6.296+000	-3.927+000	166	-8.595+000	-5.689+000	167	-1.077+001	-7.204+000	168	-1.320+001	-8.745+000
169	-2.306+001	-1.261+001	170	-3.141+001	-1.610+001	171	.000	.000	172	-2.605+000	-1.847+000
173	-6.238+000	-6.431+000	174	-8.015+000	-6.551+000	175	-1.099+001	-8.461+000	176	-1.321+001	-1.036+001
177	-2.366+001	-1.521+001	178	-2.172+001	-1.927+001	179	-3.201+001	-1.731+001	180	-3.122+001	-1.459+001
181	-3.329+001	-1.583+001	182	-3.355+001	-2.172+001	183	-3.146+001	-2.214+001	184	-2.284+001	-1.710+001
185	-1.329+001	-1.174+001	186	-1.065+001	-9.444+000	187	-8.364+000	-7.252+000	188	-6.052+000	-4.851+000
189	-5.751+000	-5.073+000	190	-7.992+000	-7.732+000	191	-1.019+001	-1.014+001	192	-1.263+001	-1.286+001
193	-2.214+001	-1.878+001	194	-3.105+001	-2.432+001	195	-3.648+001	-2.299+001	196	-3.422+001	-1.949+001
197	-2.709+001	-6.812+000	198	-2.861+001	-1.150+001	199	-3.594+001	-2.390+001	200	-3.542+001	-2.654+001

201	-1,053+001	-2,590+001	-2,027+001	-1,954+001	203	-1,186+001	-1,335+001	204	-9,453+000	-1,073+001
202	-7,502+000	-8,197+000	-5,357+000	-5,356+000	207	-2,300+000	-1,897+000	208	.000	.000
209	-1,945+000	-2,227+000	-4,878+000	-5,582+000	231	-6,733+000	-8,500+000	212	-8,639+000	-1,119+001
213	-1,071+001	-1,436+001	-1,874+001	-2,074+001	215	-2,679+001	-2,669+001	216	-3,564+001	-2,814+001
217	-3,224+001	-3,194+001	-2,552+001	-9,231+000	219	-2,245+001	-2,039+001	220	-3,549+001	-3,017+001
221	-4,091+001	-3,600+001	-3,505+001	-3,044+001	223	-2,418+001	-3,003+001	224	-1,567+001	-2,259+001
225	-9,556+000	-1,510+001	-7,448+000	-1,200+001	227	-5,917+000	-9,034+000	228	-4,400+000	-5,881+000
229	-3,867+000	-6,039+000	-5,041+000	-9,344+000	231	-6,129+000	-1,229+001	232	-2,417+000	-1,641+001
233	-1,261+001	-2,381+001	-1,938+001	-3,152+001	235	-3,210+001	-3,682+001	236	-2,912+001	-3,800+001
237	-4,131+001	-4,150+001	-3,380+001	-3,974+001	239	.000	.000	240	-1,547+000	-2,255+000
247	-3,112+000	-6,250+000	-3,941+000	-1,042+001	243	-4,750+000	-1,357+001	244	-5,167+000	-1,685+001
245	-7,316+000	-2,420+001	-1,405+001	-3,548+001	247	-2,195+001	-4,502+001	248	-3,381+001	-5,395+001
249	-3,789+001	-5,258+001	-2,554+001	-4,298+001	251	-1,387+001	-2,514+001	252	-7,000+000	-5,765+001
253	-1,372+001	-4,711+001	-2,468+001	-8,233+001	255	-2,428+001	-5,323+001	256	-3,004+001	-6,331+001
257	-2,313+001	-5,905+001	-1,431+001	-4,606+001	259	-6,897+000	-3,702+001	260	-3,901+000	-2,682+001
261	-2,653+000	-1,807+001	-3,729+000	-1,422+001	263	-1,999+001	-6,924+001	264	-1,958+001	-6,202+001
265	-1,551+001	-5,580+001	-2,62	-5,386+000	267	-8,787+001	-2,920+001	268	-1,582+000	-2,360+001
269	-1,863+000	-2,009+001	-2,70	-2,001+000	271	-2,156+000	-1,162+001	272	-1,535+000	-7,487+000
273	-2,929+002	-3,059+000	274	1,216+000	275	.000	.000	276	1,796+000	-2,970+000
277	4,932+002	-8,449+000	282	3,932+001	279	-5,551+001	-1,676+001	280	-3,664+001	-2,129+001
281	-7,505+001	-2,566+001	282	9,422+002	283	3,922+002	-3,288+001	284	-6,284+000	-5,148+001
285	-1,339+001	-5,884+001	286	-1,476+001	287	-1,536+001	-6,118+001	288	-7,500+000	-6,279+001
289	1,234+000	-2,713+001	290	-6,341+000	291	-1,012+001	-6,128+001	292	-8,623+000	-6,343+001
293	-4,309+000	-5,701+001	294	1,847+000	295	1,665+000	-3,622+001	296	1,924+000	-3,278+001
297	1,600+000	-2,885+001	298	1,823+000	299	7,053+001	-1,747+001	300	1,971+000	-1,717+001
301	3,330+000	-1,255+001	302	3,479+000	303	5,007+000	-7,258+000	304	2,625+000	-2,661+000
305	.000	.000	306	3,617+000	307	7,892+000	-6,248+000	308	6,169+000	-7,120+000
309	6,992+000	-1,138+001	310	4,908+000	311	6,579+000	-1,639+001	312	4,501+000	-1,700+001
313	5,216+000	-2,351+001	314	2,666+000	315	3,052+000	-2,737+001	316	3,872+000	-3,399+001
317	4,003+000	-3,815+001	318	3,240+000	319	9,488+001	-3,951+001	320	-2,482+000	-5,614+001
321	6,017+000	-6,339+001	322	2,101+000	323	9,220+001	-3,476+001	324	-5,512+001	-6,956+001
325	4,029+000	-5,390+001	326	3,060+000	327	5,022+000	-5,317+001	328	2,358+000	-4,422+001
329	4,519+000	-4,284+001	330	2,972+000	331	6,928+000	-3,379+001	332	8,011+000	-4,000+001
333	8,228+000	-4,438+001	334	6,066+000	335	4,739+000	-5,619+001	336	6,991+000	-4,903+001
337	.000	.000	338	3,024+000	339	3,653+000	-1,547+000	340	8,157+000	-4,439+000
341	7,755+000	-5,445+000	342	9,643+000	343	8,336+000	-1,084+001	344	1,055+001	-1,396+001
345	8,543+000	-1,521+001	346	1,012+001	347	7,453+000	-2,075+001	348	8,828+000	-2,574+001
349	1,004+001	-3,338+001	350	1,194+001	351	1,210+001	-4,375+001	352	1,023+001	-4,632+001
353	9,002+000	-5,400+001	354	1,110+001	355	6,880+000	-6,221+001	356	2,426+000	-3,130+001
357	6,021+001	-3,003+001	358	-3,975+001	359	1,901+000	-2,411+001	360	1,016+001	-5,605+001
361	1,239+001	-5,224+001	362	1,562+001	363	9,623+000	-3,872+001	364	1,270+001	-3,813+001
365	1,602+001	-5,765+001	366	1,678+001	367	1,739+001	-3,724+001	368	1,509+001	-3,458+001
369	1,593+001	-2,980+001	370	1,375+001	371	1,223+001	-1,739+001	372	1,116+001	-1,235+001
373	1,029+001	-8,205+000	374	.000	375	2,353+000	-2,736+001	376	2,872+000	-3,220+001
377	6,578+000	-1,103+000	378	7,365+000	379	7,922+000	-2,987+000	380	8,160+000	-3,643+000
381	1,092+001	-6,493+000	382	1,291+001	383	1,397+001	-1,564+001	384	1,430+001	-2,174+001
385	1,608+001	-2,807+000	386	1,503+001	387	1,946+001	-3,434+001	388	1,832+001	-4,137+001
389	1,790+001	-4,590+001	390	1,237+001	391	1,317+001	-2,235+001	392	1,964+001	-2,536+001
393	2,536+001	-1,291+001	394	2,037+001	395	1,806+001	-2,479+001	396	1,533+001	-1,983+001
397	1,223+001	-1,155+001	398	2,319+001	399	1,862+001	-9,410+000	400	2,346+001	-2,451+001
401	2,223+001	-2,411+001	402	1,333+001	403	1,233+001	-1,681+001	404	1,488+001	-1,340+001
405	2,098+001	-9,172+000	406	2,285+001	407	2,004+001	-1,584+001	408	2,006+001	-1,772+001
409	1,758+001	-1,387+000	410	1,560+001	411	1,317+001	-8,778+000	412	.000	.000
413	9,263+001	-4,782+004	414	1,580+001	415	6,011+000	-2,521+001	416	4,723+000	2,000+001
417	5,017+000	-4,261+001	418	7,011+000	419	8,453+000	-1,664+000	420	9,343+000	-2,499+000
421	1,038+001	-2,056+000	422	1,062+001	423	1,338+001	-6,433+000	424	1,555+001	-5,231+000
425	1,276+001	-2,056+000	426	1,062+001	427	1,338+001	-6,433+000	428	1,555+001	-5,231+000

441	1.600+001	-3.251+000	442	1.418+001	-2.633+000	443	1.342+001	-2.683+000	444	1.136+001	-1.792+000
445	9.785+000	-1.733+000	446	1.104+001	-2.231+001	447	9.057+000	-1.810+001	448	8.557+000	-8.476+001
449	0.000	0.000	450	5.147+000	-7.217+003	451	1.457+000	8.521+002	452	2.006+000	2.762+001
453	2.535+000	2.589+001	454	3.215+000	4.510+001	455	4.035+000	9.065+001	456	4.800+000	8.633+001
457	5.678+000	6.830+001	458	6.315+000	3.257+001	459	6.732+000	-1.215+001	460	7.533+000	1.536+001
461	7.638+000	5.491+001	462	1.007+001	3.999+001	463	5.914+000	1.516+000	464	6.816+000	1.013+000
465	6.683+000	6.792+001	466	5.927+000	1.090+000	467	5.744+000	1.534+000	468	5.594+000	1.688+000
469	5.069+000	1.739+000	470	5.049+000	1.535+000	471	4.987+000	1.235+000	472	4.491+000	1.658+000
473	4.390+000	1.333+000	474	3.286+000	1.382+000	475	3.591+000	1.105+000	476	3.272+000	7.616+001
477	3.104+000	1.318+000	478	2.954+000	8.789+001	479	2.595+000	5.784+001	480	2.409+000	8.352+001
481	2.245+000	6.225+001	482	1.282+000	3.950+001	483	0.000	0.000	484	2.536+001	-3.030+002
485	7.378+001	2.342+002	486	1.096+000	1.339+001	487	1.433+000	2.887+001	488	1.705+000	4.846+001
489	1.785+000	6.407+001	490	1.268+000	4.214+001	491	1.600+000	3.372+001	492	1.073+000	2.045+001
493	7.883+001	3.743+001	494	7.950+001	2.780+001	495	6.383+001	1.544+001	496	4.781+001	5.977+002
497	3.742+001	3.228+001	498	3.509+001	2.121+001	499	3.031+001	1.546+001	500	2.165+001	2.582+002
501	0.000	0.000	502	0.000	2.557+002	503	0.000	8.628+002	504	0.000	1.536+001
505	0.000	2.507+001	506	0.000	3.293+001						

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ELEM 1	TAU=	5972+000	EPG=	3305-002	STI=	-9308-004	EIT=	0000	EIT=	409+003	YNI=	400	SL=	.096
STX=	-258367+001	STY=	-372743+001	TXY=	-202485+001	STI=	-258333+001	STZ=	-377777+001	ALPHA=	-1.97			
EPX=	-137289-003	EPY=	-343963-002	EXY=	-121170-003	EPZ=	-136177-003	EPZ=	-344074-002	ALEPS=	-1.05			
ELEM 2	TAU=	4854+000	EPG=	4859-002	STI=	-6182-004	EIT=	0000	EIT=	401+003	YNI=	400	SL=	.104
STX=	-272985+001	STY=	-409477+001	TXY=	-637420+001	STI=	-272688+001	STZ=	-409774+001	ALPHA=	-2.67			
EPX=	000000	EPY=	-383333-002	EXY=	-546188-003	EPZ=	-193392-004	EPZ=	-384632-002	ALEPS=	-3.32			
ELEM 3	TAU=	6856+000	EPG=	3859-002	STI=	-6182-004	EIT=	0000	EIT=	401+003	YNI=	400	SL=	.104
STX=	-272985+001	STY=	-409477+001	TXY=	-637420+001	STI=	-272688+001	STZ=	-409774+001	ALPHA=	-2.67			
EPX=	000000	EPY=	-383333-002	EXY=	-546188-003	EPZ=	-193392-004	EPZ=	-384632-002	ALEPS=	-3.32			
ELEM 4	TAU=	4360+000	EPG=	3594-002	STI=	-1169-003	EIT=	0000	EIT=	402+003	YNI=	400	SL=	.097
STX=	-271175+001	STY=	-396545+001	TXY=	-107222+000	STI=	-270265+001	STZ=	-397455+001	ALPHA=	-4.85			
EPX=	-140988-003	EPY=	-365424-002	EXY=	-768243+001	EPZ=	-992262+004	EPZ=	-369580-002	ALEPS=	-6.17			
ELEM 5	TAU=	6575+000	EPG=	3746-002	STI=	-2485-003	EIT=	0000	EIT=	401+003	YNI=	400	SL=	.106
STX=	-263172+001	STY=	-591181+001	TXY=	-149253+000	STI=	-281419+001	STZ=	-392910+001	ALPHA=	-6.38			
EPX=	-511102-004	EPY=	-365424-002	EXY=	-102432-002	EPZ=	-202754-004	EPZ=	-372562-002	ALEPS=	-7.93			
ELEM 6	TAU=	7661+000	EPG=	6438-002	STI=	-2149-003	EIT=	0000	EIT=	400+003	YNI=	400	SL=	.106
STX=	-300998+001	STY=	-451146+001	TXY=	-146619+000	STI=	-299620+001	STZ=	-452873+001	ALPHA=	-5.44			
EPX=	000000	EPY=	-542049+002	EXY=	-101229+002	EPZ=	-545570+004	EPZ=	-617225+002	ALEPS=	-6.60			
ELEM 7	TAU=	7663+000	EPG=	6438-002	STI=	-2349-003	EIT=	0000	EIT=	400+003	YNI=	400	SL=	.106
STX=	-300998+001	STY=	-451146+001	TXY=	-146619+000	STI=	-299620+001	STZ=	-452873+001	ALPHA=	-5.44			
EPX=	000000	EPY=	-542049+002	EXY=	-101229+002	EPZ=	-545570+004	EPZ=	-617225+002	ALEPS=	-6.60			
ELEM 8	TAU=	7502+000	EPG=	6380-002	STI=	-6279-003	EIT=	0000	EIT=	3951+003	YNI=	400	SL=	.111
STX=	-290871+001	STY=	-430156+001	TXY=	-755832+001	STI=	-280489+001	STZ=	-430537+001	ALPHA=	-2.89			
EPX=	121323-003	EPY=	-422241-002	EXY=	-560030+003	EPZ=	-139329+003	EPZ=	-424039-002	ALEPS=	-3.67			
ELEM 9	TAU=	7361+000	EPG=	6280-002	STI=	-1098-002	EIT=	0000	EIT=	400+003	YNI=	400	SL=	.705
STX=	-290758+001	STY=	-436719+001	TXY=	-963100+001	STI=	-290125+001	STZ=	-433322+001	ALPHA=	-3.76			
EPX=	512820-005	EPY=	-422261-002	EXY=	-664895+003	EPZ=	-311104+004	EPZ=	-424859-002	ALEPS=	-4.47			
ELEM 10	TAU=	7809+000	EPG=	6528-002	STI=	-8997-003	EIT=	0000	EIT=	401+003	YNI=	400	SL=	.104
STX=	-310766+001	STY=	-466114+001	TXY=	-789193+001	STI=	-310346+001	STZ=	-466519+001	ALPHA=	-2.90			
EPX=	000000	EPY=	-549156+002	EXY=	-570104+003	EPZ=	-180182+004	EPZ=	-450238-002	ALEPS=	-3.62			
ELEM 11	TAU=	7809+000	EPG=	6528-002	STI=	-8997-003	EIT=	0000	EIT=	401+003	YNI=	400	SL=	.104
STX=	-310766+001	STY=	-466114+001	TXY=	-789193+001	STI=	-310346+001	STZ=	-466519+001	ALPHA=	-2.90			
EPX=	000000	EPY=	-549156+002	EXY=	-570104+003	EPZ=	-180182+004	EPZ=	-450238-002	ALEPS=	-3.62			
ELEM 12	TAU=	7201+000	EPG=	6166+002	STI=	-1820+002	EIT=	0000	EIT=	404+003	YNI=	400	SL=	.101
STX=	-295871+001	STY=	-458709+001	TXY=	-920093+001	STI=	-295281+001	STZ=	-459299+001	ALPHA=	-3.67			
EPX=	-318903-004	EPY=	-618651+002	EXY=	-714090+003	EPZ=	-510638+004	EPZ=	-621733+002	ALEPS=	-6.93			
ELEM 13	TAU=	7073+000	EPG=	4085-002	STI=	-4648-002	EIT=	0000	EIT=	409+003	YNI=	400	SL=	.095

STX	309783+001	STY	467965+001	TX	151559+000	STI	308141+001	STZ	449607+001	ALPHA	6.19
EPX	243752-003	EPY	418651-002	EY	106889-002	EP	172591-003	EPZ	425767-002	ALPES	7.58
ELEM	14	TAU	2913+000	EPG	0440-002	STL	1744-002	EIL	400+003	YNT	4.00
STX	310703+001	STY	466054+001	TX	150890+000	STI	309251+001	STZ	467506+001	ALPHA	5.50
EPX	000000	EPY	420241-002	EY	112047-002	EP	686550-004	EPZ	457156-002	ALPES	6.99
ELEM	15	TAU	2043+000	EPG	4133-002	STL	3763-002	EIL	408+003	YNT	4.00
STX	305604+001	STY	439714+001	TX	199290+000	STI	301729+001	STZ	442590+001	ALPHA	8.21
EPX	267752-003	EPY	410109-002	EY	154432-002	EP	178059-003	EPZ	425078-002	ALPES	10.97
ELEM	16	TAU	2002+000	EPG	4150-002	STL	8447-002	EIL	413+003	YNT	4.00
STX	422842+001	STY	451674+001	TX	274593+000	STI	317233+001	STZ	457282+001	ALPHA	11.54
EPX	488236-003	EPY	410109-002	EY	204246-002	EP	219551-003	EPZ	453697-002	ALPES	14.74
ELEM	17	TAU	8778+000	EPG	5455-002	STL	5518-002	EIL	391+003	YNT	4.00
STX	521103+001	STY	481655+001	TX	355392+000	STI	313586+001	STZ	489162+001	ALPHA	11.93
EPX	000000	EPY	474019-002	EY	269938-002	EP	357360-003	EPZ	509755-002	ALPES	14.83
ELEM	18	TAU	8344+000	EPG	5216-002	STL	1449-001	EIL	401+003	YNT	4.00
STX	339944+001	STY	471246+001	TX	482068+000	STI	324164+001	STZ	487046+001	ALPHA	18.15
EPX	503521-003	EPY	417382-002	EY	352323-002	EP	118236-003	EPZ	505555-002	ALPES	21.16
ELEM	19	TAU	8811+000	EPG	5680-002	STL	1612-001	EIL	395+003	YNT	4.00
STX	353676+001	STY	481650+001	TX	604293+000	STI	329460+001	STZ	505682+001	ALPHA	21.67
EPX	631515-003	EPY	437382-002	EY	427260-002	EP	317226-003	EPZ	534256-002	ALPES	24.39
ELEM	20	TAU	1138+001	EPG	7117-002	STL	1689-001	EIL	370+003	YNT	4.00
STX	360745+001	STY	561118+001	TX	693919+000	STI	337139+001	STZ	564724+001	ALPHA	18.79
EPX	000000	EPY	550618-002	EY	496945-002	EP	95463-003	EPZ	646164-002	ALPES	21.02
ELEM	21	TAU	1143+001	EPG	7536-002	STL	2240-001	EIL	375+003	YNT	4.00
STX	380842+001	STY	551106+001	TX	239022+000	STI	33719+001	STZ	582229+001	ALPHA	20.15
EPX	227536-003	EPY	554736-002	EY	533821-002	EP	880742-003	EPZ	665564-002	ALPES	22.55
ELEM	22	TAU	1191+001	EPG	7891-002	STL	2674-001	EIL	362+003	YNT	4.00
STX	382313+001	STY	555401+001	TX	81027+000	STI	349771+001	STZ	587945+001	ALPHA	21.69
EPX	274299-003	EPY	554736-002	EY	501102-002	EP	103488-002	EPZ	685655-002	ALPES	24.04
ELEM	23	TAU	1308+001	EPG	8576-002	STL	2027-001	EIL	369+003	YNT	4.00
STX	412621+001	STY	618932+001	TX	803763+000	STI	385004+001	STZ	646548+001	ALPHA	18.99
EPX	000000	EPY	638784-002	EY	572226-002	EP	109400-002	EPZ	748193-002	ALPES	20.93
ELEM	24	TAU	1358+001	EPG	9077-002	STL	3065-001	EIL	364+003	YNT	4.00
STX	404533+001	STY	631100+001	TX	749438+000	STI	381987+001	STZ	653646+001	ALPHA	16.74
EPX	326223-003	EPY	685909-002	EY	556689-002	EP	127229-002	EPZ	780506-002	ALPES	18.83
ELEM	25	TAU	1359+001	EPG	9022-002	STL	3691-001	EIL	364+003	YNT	4.00
STX	404661+001	STY	631536+001	TX	746053+000	STI	382163+001	STZ	653854+001	ALPHA	16.65
EPX	337498-003	EPY	685909-002	EY	544048-002	EP	125007-002	EPZ	777161-002	ALPES	18.54
ELEM	26	TAU	1327+001	EPG	8588-002	STL	3261-001	EIL	383+003	YNT	4.00
STX	458271+001	STY	687406+001	TX	670165+000	STI	440109+001	STZ	705567+001	ALPHA	15.16
EPX	000000	EPY	717023-002	EY	472647-002	EP	708285-003	EPZ	787952-002	ALPES	16.70
ELEM	27	TAU	1391+001	EPG	9172-002	STL	6249-001	EIL	372+003	YNT	4.00
STX	429794+001	STY	683658+001	TX	569320+000	STI	417009+001	STZ	698843+001	ALPHA	12.08
EPX	552342-003	EPY	760740-002	EY	418907-002	EP	105858-002	EPZ	811364-002	ALPES	13.59
ELEM	28	TAU	1391+001	EPG	9100-002	STL	4982-001	EIL	373+003	YNT	4.00
STX	434252+001	STY	687786+001	TX	572824+000	STI	421911+001	STZ	700127+001	ALPHA	12.16
EPX	519617-003	EPY	760740-002	EY	409395-002	EP	100088-002	EPZ	809386-002	ALPES	13.37
ELEM	29	TAU	1429+001	EPG	8495-002	STL	8860-001	EIL	393+003	YNT	4.00
STX	500818+001	STY	751222+001	TX	446538+000	STI	493093+001	STZ	758951+001	ALPHA	9.81
EPX	000000	EPY	790138-002	EY	311854-002	EP	296574-003	EPZ	819795-002	ALPES	10.77
ELEM	30	TAU	1405+001	EPG	1063-001	STL	1059+000	EIL	364+003	YNT	4.00
STX	455005+001	STY	775627+001	TX	872987-001	STI	454769+001	STZ	775865+001	ALPHA	11.56
EPX	138207-002	EPY	926020-002	EY	680305-003	EP	136296-002	EPZ	927109-002	ALPES	11.83
ELEM	31	TAU	1625+001	EPG	1080-001	STL	9078-001	EIL	359+003	YNT	4.00
STX	459837+001	STY	764648+001	TX	450299-001	STI	439775+001	STZ	764710+001	ALPHA	7.9
EPX	153574-002	EPY	926020-002	EY	353390-003	EP	151863-002	EPZ	926109-002	ALPES	9.2

STXE	-42990+001	STYE	-71966+001	TXVE	-20312+000	STZE	-41380+001	STZE	-735862+001	ALPHA=	12.95
EPXE	-109881-002	EPYE	-84081-002	EPXE	-51624+002	EPZE	-9526-001	EPZE	-911329-002	ALPES=	14.19
ELEM	34	TAUE	1024+001	EPGE	1109-001	TXVE	1109-001	EITE	322+003	YNT=	.400
STXE	-437678+001	STYE	-723065+001	TXVE	-776219+000	STZE	-417932+001	STZE	-742811+001	ALPHA=	14.27
EPXE	-974468-003	EPYE	-656081-002	EPXE	-583209-002	EPZE	-180295-002	EPZE	-928929-002	ALPES=	15.86
ELEM	35	TAUE	1511+001	EPGE	1013-001	TXVE	-5787-001	EITE	-362+003	YNT=	.400
STXE	-456744+001	STYE	-685112+001	TXVE	-990246+000	STZE	-419287+001	STZE	-726074+001	ALPHA=	20.47
EPXE	-000000	EPYE	-718206-002	EPXE	-714165-002	EPZE	-147319-002	EPZE	-865524-002	ALPES=	22.42
ELEM	36	TAUE	1404+001	EPGE	9216-002	TXVE	-4490-001	EITE	344+003	YNT=	.400
STXE	-384535+001	STYE	-576764+001	TXVE	-102330+001	STZE	-340259+001	STZE	-621040+001	ALPHA=	23.40
EPXE	-332858-004	EPYE	-600278-002	EPXE	-766227-002	EPZE	-183760-002	EPZE	-782856-002	ALPES=	26.03
ELEM	37	TAUE	1368+001	EPGE	9466-002	TXVE	-4189-001	EITE	-350+003	YNT=	.400
STXE	-388790+001	STYE	-529550+001	TXVE	-980711+000	STZE	-342366+001	STZE	-620974+001	ALPHA=	22.90
EPXE	-755245-004	EPYE	-600768-002	EPXE	-737693-002	EPZE	-169151-002	EPZE	-777472-002	ALPES=	25.60
ELEM	38	TAUE	1292+001	EPGE	8781-002	TXVE	-2318-001	EITE	343+003	YNT=	.400
STXE	-355523+001	STYE	-533284+001	TXVE	-937548+000	STZE	-315215+001	STZE	-573593+001	ALPHA=	23.26
EPXE	-000000	EPYE	-540398-002	EPXE	-692403-002	EPZE	-168963-002	EPZE	-702360-002	ALPES=	26.01
ELEM	39	TAUE	1078+001	EPGE	6867-002	TXVE	-2803-001	EITE	-368+003	YNT=	.400
STXE	-343516+001	STYE	-450498+001	TXVE	-863334+000	STZE	-295446+001	STZE	-498569+001	ALPHA=	29.11
EPXE	-916177-003	EPYE	-388426-002	EPXE	-621198-002	EPZE	-105352-002	EPZE	-581397-002	ALPES=	32.38
ELEM	40	TAUE	2010+000	EPGE	5989-002	TXVE	-2210-001	EITE	382+003	YNT=	.400
STXE	-331305+001	STYE	-442301+001	TXVE	-709766+000	STZE	-294702+001	STZE	-474901+001	ALPHA=	25.99
EPXE	-750986-003	EPYE	-384426-002	EPXE	-512868-002	EPZE	-697025-001	EPZE	-529228-002	ALPES=	29.45
ELEM	41	TAUE	9153+000	EPGE	5808-002	TXVE	-9322-002	EITE	-368+003	YNT=	.400
STXE	-286924+001	STYE	-430386+001	TXVE	-568802+000	STZE	-267309+001	STZE	-450201+001	ALPHA=	19.21
EPXE	-000000	EPYE	-413232-002	EPXE	-419424-002	EPZE	-877806-003	EPZE	-501012-002	ALPES=	22.71
ELEM	42	TAUE	6524+000	EPGE	4022+002	TXVE	-1596-001	EITE	411+003	YNT=	.400
STXE	-311979+001	STYE	-400323+001	TXVE	-686928+000	STZE	-290608+001	STZE	-421894+001	ALPHA=	23.89
EPXE	-947793-003	EPYE	-317731-002	EPXE	-340844-002	EPZE	-268042-004	EPZE	-409952-002	ALPES=	28.50
ELEM	43	TAUE	4110+000	EPGE	3651-002	TXVE	-7660-002	EITE	-410+003	YNT=	.400
STXE	-280217+001	STYE	-329219+001	TXVE	-358248+000	STZE	-268614+001	STZE	-320822+001	ALPHA=	17.95
EPXE	-583278-003	EPYE	-317773-002	EPXE	-256940-002	EPZE	-547840-004	EPZE	-370622-002	ALPES=	22.36
ELEM	44	TAUE	6720+000	EPGE	1927-002	TXVE	-2022-003	EITE	355+003	YNT=	.400
STXE	-255985+001	STYE	-383978+001	TXVE	-220750+000	STZE	-252285+001	STZE	-387678+001	ALPHA=	9.52
EPXE	-000000	EPYE	-358402-002	EPXE	-160592-002	EPZE	-121886-003	EPZE	-325570-002	ALPES=	12.07
ELEM	45	TAUE	4426+000	EPGE	3679-002	TXVE	-7833-002	EITE	-408+003	YNT=	.400
STXE	-278072+001	STYE	-398712+001	TXVE	-221513+000	STZE	-274314+001	STZE	-402651+001	ALPHA=	10.08
EPXE	-269844-003	EPYE	-358402-002	EPXE	-159755-002	EPZE	-873721-004	EPZE	-376649-002	ALPES=	12.87
ELEM	46	TAUE	4563+000	EPGE	3723-002	TXVE	-4079-003	EITE	399+003	YNT=	.400
STXE	-257305+001	STYE	-305958+001	TXVE	-130006+000	STZE	-254005+001	STZE	-387258+001	ALPHA=	5.71
EPXE	-000000	EPYE	-360213-002	EPXE	-911381-003	EPZE	-591838-004	EPZE	-366431-002	ALPES=	7.24
ELEM	47	TAUE	6340+000	EPGE	3560-002	TXVE	-4993-002	EITE	-407+003	YNT=	.400
STXE	-262749+001	STYE	-394259+001	TXVE	-120105+000	STZE	-268603+001	STZE	-395402+001	ALPHA=	5.46
EPXE	-152453-003	EPYE	-360513-002	EPXE	-869221-003	EPZE	-989867-004	EPZE	-365900-002	ALPES=	7.07
ELEM	48	TAUE	6284+000	EPGE	3821-002	TXVE	-1476-002	EITE	-401+003	YNT=	.400
STXE	-269978+001	STYE	-404967+001	TXVE	-682377-001	STZE	-269634+001	STZE	-405311+001	ALPHA=	2.89
EPXE	-000000	EPYE	-379161-002	EPXE	-474022-003	EPZE	-147580-004	EPZE	-380637-002	ALPES=	3.56
ELEM	49	TAUE	4784+000	EPGE	3821-002	TXVE	-1476-002	EITE	-401+003	YNT=	.400
STXE	-269978+001	STYE	-404967+001	TXVE	-682377-001	STZE	-269634+001	STZE	-405311+001	ALPHA=	2.89
EPXE	-000000	EPYE	-379161-002	EPXE	-474022-003	EPZE	-147580-004	EPZE	-380637-002	ALPES=	3.56
ELEM	50	TAUE	5891+000	EPGE	3264-002	TXVE	-2031-002	EITE	-409+003	YNT=	.400
STXE	-255160+001	STYE	-372916+001	TXVE	-190244+001	STZE	-255130+001	STZE	-372947+001	ALPHA=	.93
EPXE	-135432-003	EPYE	-349742-002	EPXE	-112613-003	EPZE	-134463-003	EPZE	-339844-002	ALPES=	.99
ELEM	51	TAUE	4379+000	EPGE	2975-002	TXVE	-1202-003	EITE	-307+003	YNT=	.400
STXE	-192578+001	STYE	-286902+001	TXVE	-328570-001	STZE	-192455+001	STZE	-285026+001	ALPHA=	-2.15
EPXE	-221437-003	EPYE	-318608-002	EPXE	-245255-003	EPZE	-263374-003	EPZE	-319115-002	ALPES=	-2.36
ELEM	52	TAUE	4758+000	EPGE	3277-002	TXVE	-5075-004	EITE	-303+003	YNT=	.400
STXE	-204360+001	STYE	-299314+001	TXVE	-308401-001	STZE	-204260+001	STZE	-299414+001	ALPHA=	-1.86
EPXE	-137289-003	EPYE	-340323-002	EPXE	-268430-003	EPZE	-131782-003	EPZE	-340875-002	ALPES=	-2.35
ELEM	53	TAUE	4205+000	EPGE	2864-002	TXVE	-1005-003	EITE	-311+003	YNT=	.400

STX=	-197002+001	STV=	-281016+001	TXV=	-261133-001	STV=	-197001+001	STZ=	-281098+001	ALPHA=	-1.78
EPX=	-273045-003	EPV=	-310398-002	EXV=	-272563-003	EPV=	-266499-003	EPZ=	-311052+002	ALEPS=	-2.75
ELEM	54	IAU=	4178+000	EPG=	2825-002	STL=	-1591-003	EIE=	313+003	YNI=	.400
SL=	.116										
STX=	-200339+001	STV=	-203185+001	TXV=	-544298-001	STV=	-199983+001	STZ=	-283541+001	ALPHA=	-3.74
EPX=	-323643-003	EPV=	-310398-002	EXV=	-692401-003	EPV=	-303395-003	EPZ=	-212623-002	ALEPS=	-5.09
ELEM	55	IAU=	4788+000	EPG=	3331-002	STL=	-.6938-004	EIE=	303+003	YNI=	.400
SL=	.130										
STX=	-205364+001	STV=	-300472+001	TXV=	-556372-001	STV=	-205050+001	STZ=	-200796+001	ALPHA=	-3.34
EPX=	-140988-003	EPV=	-342449-002	EXV=	-559716-003	EPV=	-117306-003	EPZ=	-344817-002	ALEPS=	-4.84
ELEM	56	IAU=	4500+000	EPG=	3129-002	STL=	-1604-003	EIE=	310+003	YNI=	.400
SL=	.120										
STX=	-208841+001	STV=	-297952+001	TXV=	-630843-001	STV=	-208396+001	STZ=	-298397+001	ALPHA=	-4.03
EPX=	-295251-003	EPV=	-335708-002	EXV=	-629961-003	EPV=	-250665-003	EPZ=	-338566+002	ALEPS=	-6.28
ELEM	57	IAU=	4736+000	EPG=	3391-002	STL=	-.2721-003	EIE=	303+003	YNI=	.400
SL=	.130										
STX=	-205332+001	STV=	-295436+001	TXV=	-142852+000	STV=	-202229+003	STZ=	-298052+001	ALPHA=	-9.18
EPX=	-240110-003	EPV=	-334708-002	EXV=	-135942-002	EPV=	-979175-004	EPZ=	-348927-002	ALEPS=	-11.82
ELEM	58	IAU=	5238+000	EPG=	4232-002	STL=	-.1693-003	EIE=	295+003	YNI=	.400
SL=	.142										
STX=	-226937+001	STV=	-337836+001	TXV=	-147486+000	STV=	-225004+001	STZ=	-339769+001	ALPHA=	-7.46
EPX=	-511102-006	EPV=	-408268+002	EXV=	-338612+002	EPV=	650080+004	EPZ=	-416640+002	ALEPS=	-9.56
ELEM	59	IAU=	5921+000	EPG=	4507-002	STL=	-.3002-003	EIE=	283+003	YNI=	.400
SL=	.159										
STX=	-208012+001	STV=	-326703+001	TXV=	-100933+000	STV=	-207145+001	STZ=	-325570+001	ALPHA=	-5.91
EPX=	-239592-003	EPV=	-435063-002	EXV=	-101735-002	EPV=	-297750-003	EPZ=	-420877-002	ALEPS=	-6.52
ELEM	60	IAU=	5856+000	EPG=	4426-002	STL=	-.6966-003	EIE=	286+003	YNI=	.400
SL=	.154										
STX=	-212290+001	STV=	-327565+001	TXV=	-103545+000	STV=	-211368+001	STZ=	-328488+001	ALPHA=	-5.09
EPX=	-172376-003	EPV=	-415061+002	EXV=	-448299+003	EPV=	223968+003	EPZ=	-420200+002	ALEPS=	-6.19
ELEM	61	IAU=	6271+000	EPG=	4695-002	STL=	-.3613-003	EIE=	291+003	YNI=	.400
SL=	.148										
STX=	-236362+001	STV=	-361086+001	TXV=	-666110+001	STV=	-236008+001	STZ=	-361420+001	ALPHA=	-2.96
EPX=	-121353-003	EPV=	-452979-002	EXV=	-641983-003	EPV=	143407-003	EPZ=	-455184-002	ALEPS=	-3.93
ELEM	62	IAU=	5800+000	EPG=	4429-002	STL=	-.6620-003	EIE=	289+003	YNI=	.400
SL=	.150										
STX=	-218175+001	STV=	-335766+001	TXV=	-348992-001	STV=	-218072+001	STZ=	-335869+001	ALPHA=	-1.70
EPX=	-149087-003	EPV=	-425812-002	EXV=	-638214-003	EPV=	159954+003	EPZ=	-426899+002	ALEPS=	-2.84
ELEM	63	IAU=	5870+000	EPG=	4404-002	STL=	-.1080-002	EIE=	291+003	YNI=	.400
SL=	.147										
STX=	-223951+001	STV=	-339128+001	TXV=	-939663-001	STV=	-222694+001	STZ=	-339886+001	ALPHA=	-4.61
EPX=	-667308-004	EPV=	-425812-002	EXV=	-831054-003	EPV=	106297-003	EPZ=	-629768-002	ALEPS=	-5.44
ELEM	64	IAU=	6105+000	EPG=	4536-002	STL=	-.2156-003	EIE=	296+003	YNI=	.400
SL=	.140										
STX=	-241945+001	STV=	-363409+001	TXV=	-618420+001	STV=	-241631+001	STZ=	-363723+001	ALPHA=	-2.91
EPX=	-512820-003	EPV=	-462061-002	EXV=	-590512-003	EPV=	244369-004	EPZ=	-450972+002	ALEPS=	-3.24
ELEM	65	IAU=	5429+000	EPG=	4018-002	STL=	-.1174-002	EIE=	300+003	YNI=	.400
SL=	.134										
STX=	-228653+001	STV=	-334001+001	TXV=	-685388-001	STV=	-225632+001	STZ=	-334219+001	ALPHA=	-2.56
EPX=	-752794-004	EPV=	-407803-002	EXV=	-530580-003	EPV=	-776867-004	EPZ=	-409563-002	ALEPS=	-3.79
ELEM	66	IAU=	5409+000	EPG=	3929-002	STL=	-.2013-002	EIE=	302+003	YNI=	.400
SL=	.131										
STX=	-230112+001	STV=	-336771+001	TXV=	-903690-001	STV=	-229352+001	STZ=	-337531+001	ALPHA=	-4.81
EPX=	-160306-003	EPV=	-407803-002	EXV=	-832680-003	EPV=	122486+003	EPZ=	-412185+002	ALEPS=	-6.01
ELEM	67	IAU=	5984+000	EPG=	4422-002	STL=	-.1281-002	EIE=	299+003	YNI=	.400
SL=	.136										
STX=	-246771+001	STV=	-363611+001	TXV=	-701511-001	STV=	-244333+001	STZ=	-364402+001	ALPHA=	-3.37
EPX=	-818903-004	EPV=	-444548-002	EXV=	-714323-003	EPV=	-528697-004	EPZ=	-447452-002	ALEPS=	-4.65
ELEM	68	IAU=	5293+000	EPG=	3889-002	STL=	-.2332-002	EIE=	306+003	YNI=	.400
SL=	.125										
STX=	-233358+001	STV=	-360475+001	TXV=	-645340+001	STV=	-234964+001	STZ=	-360870+001	ALPHA=	-3.50
EPX=	-268127-003	EPV=	-496532+002	EXV=	-760238-003	EPV=	-232387-003	EPZ=	-410106+002	ALEPS=	-5.52
ELEM	69	IAU=	5370+000	EPG=	3948-002	STL=	-.3924-002	EIE=	306+003	YNI=	.400
SL=	.125										
STX=	-241095+001	STV=	-354241+001	TXV=	-169596+000	STV=	-238270+001	STZ=	-356367+001	ALPHA=	-8.09
EPX=	-364509-003	EPV=	-406532+002	EXV=	-137625-002	EPV=	-240761-003	EPZ=	-418913-002	ALEPS=	-10.20
ELEM	70	IAU=	5586+000	EPG=	4138-002	STL=	-.2218-003	EIE=	302+003	YNI=	.400
SL=	.131										
STX=	-238682+001	STV=	-365679+001	TXV=	-157149+000	STV=	-236226+001	STZ=	-367936+001	ALPHA=	-8.17
EPX=	-243752-003	EPV=	-410002+002	EXV=	-169950+002	EPV=	-103112+003	EPZ=	-424066+002	ALEPS=	-10.62
ELEM	71	IAU=	5174+000	EPG=	3740-002	STL=	-.6285-002	EIE=	315+003	YNI=	.400
SL=	.113										
STX=	-253577+001	STV=	-356105+001	TXV=	-122652+000	STV=	-254102+001	STZ=	-357580+001	ALPHA=	-6.86
EPX=	-565841-003	EPV=	-410002+002	EXV=	-122372-002	EPV=	-402910-003	EPZ=	-420295-002	ALEPS=	-9.55
ELEM	72	IAU=	5174+000	EPG=	3740-002	STL=	-.6285-002	EIE=	315+003	YNI=	.400
SL=	.113										

STX=	-250344+001	STY=	-340785+001	TXV=	-133058+000	STI=	-248542+001	STZ=	-348587+001	ALPHA=	-7.71
EPX=	-610155-003	EPY=	-398632-002	EXV=	-147421-002	EPZ=	-456243-003	EPZ=	-434023-002	ALEPS=	-11.79
ELEM	74	TAU=	51814000	EPG=	19545+002	SII=	-1045+001	EII=	316+003	YNI=	.400
STX=	-263564+001	STY=	-355326+001	TXV=	-240436+000	STI=	-257627+001	STZ=	-301243+001	ALPHA=	-13.83
EPX=	-837907-003	EPY=	-398632-002	EXV=	-241137+002	EPZ=	-429235+003	EPZ=	-439499+002	ALEPS=	-18.72
ELEM	75	TAU=	5661+000	EPG=	4441+002	SII=	-3314+002	EII=	303+003	YNI=	.400
STX=	-248901+001	STY=	-350249+001	TXV=	-236799+000	STI=	-242764+001	STZ=	-356385+001	ALPHA=	-13.44
EPX=	-488236-003	EPY=	-409073-002	EXV=	-238501-002	EPZ=	-733309+004	EPZ=	-451464+002	ALEPS=	-17.80
ELEM	76	TAU=	4594+000	EPG=	1723+002	SII=	-1000+001	EII=	324+003	YNI=	.400
STX=	-263994+001	STY=	-340764+001	TXV=	-232800+000	STI=	-256417+001	STZ=	-348140+001	ALPHA=	-16.68
EPX=	-103705-002	EPY=	-372281+002	EXV=	-234031+002	EPZ=	-498247+003	EPZ=	-427161+002	ALEPS=	-22.20
ELEM	77	TAU=	6851+000	EPG=	4050+002	SII=	-1429+001	EII=	324+003	YNI=	.400
STX=	-279973+001	STY=	-355509+001	TXV=	-316511+000	STI=	-268226+001	STZ=	-369256+001	ALPHA=	-20.36
EPX=	-118290-002	EPY=	-373283-002	EXV=	-314664+002	EPZ=	-432805+003	EPZ=	-448593+002	ALEPS=	-25.49
ELEM	78	TAU=	5886+000	EPG=	4890+002	SII=	5458+002	EII=	302+003	YNI=	.400
STX=	-258528+001	STY=	-358249+001	TXV=	-312742+000	STI=	-249537+001	STZ=	-367246+001	ALPHA=	-16.05
EPX=	-503523-003	EPY=	-424339-002	EXV=	-315027+002	EPZ=	-714788+004	EPZ=	-481839+002	ALEPS=	-20.05
ELEM	79	TAU=	5283+000	EPG=	4613+002	SII=	-1905+001	EII=	321+003	YNI=	.400
STX=	-294250+001	STY=	-372435+001	TXV=	-355376+000	STI=	-280531+001	STZ=	-386174+001	ALPHA=	-21.14
EPX=	-117914-002	EPY=	-409877-002	EXV=	-357145+002	EPZ=	-332469+003	EPZ=	-494544+002	ALEPS=	-25.37
ELEM	80	TAU=	4726+000	EPG=	5874+002	SII=	-2242+001	EII=	299+003	YNI=	.400
STX=	-305687+001	STY=	-385260+001	TXV=	-548455+000	STI=	-277717+001	STZ=	-413230+001	ALPHA=	-27.02
EPX=	-128360-002	EPY=	-409877-002	EXV=	-515571+002	EPZ=	-265925+003	EPZ=	-562830+002	ALEPS=	-30.68
ELEM	81	TAU=	7487+000	EPG=	6476+002	SII=	-1332+001	EII=	283+003	YNI=	.400
STX=	-283699+001	STY=	-388982+001	TXV=	-532389+000	STI=	-261470+001	STZ=	-411210+001	ALPHA=	-22.66
EPX=	-631515-003	EPY=	-468016-002	EXV=	-505417+002	EPZ=	-582072+003	EPZ=	-589373+002	ALEPS=	-25.65
ELEM	82	TAU=	7208+000	EPG=	4734+002	SII=	-2774+001	EII=	291+003	YNI=	.400
STX=	-326438+001	STY=	-423850+001	TXV=	-597422+000	STI=	-298003+001	STZ=	-452225+001	ALPHA=	-25.41
EPX=	-115564-002	EPY=	-480986+002	EXV=	-565929+002	EPZ=	-385332+003	EPZ=	-635106+002	ALEPS=	-28.58
ELEM	83	TAU=	4196+000	EPG=	7282+002	SII=	-3029+001	EII=	280+003	YNI=	.400
STX=	-311728+001	STY=	-413205+001	TXV=	-651466+000	STI=	-279503+001	STZ=	-463430+001	ALPHA=	-26.32
EPX=	-105945-002	EPY=	-480986+002	EXV=	-674164+002	EPZ=	-706225+003	EPZ=	-657552+002	ALEPS=	-29.50
ELEM	84	TAU=	8254+000	EPG=	7225+002	SII=	-1446+001	EII=	271+003	YNI=	.400
STX=	-294035+001	STY=	-429023+001	TXV=	-557590+000	STI=	-273965+001	STZ=	-449074+001	ALPHA=	-19.78
EPX=	-227570-003	EPY=	-503829+002	EXV=	-551392+002	EPZ=	-929216+003	EPZ=	-629554+002	ALEPS=	-22.77
ELEM	85	TAU=	9131+000	EPG=	8170+002	SII=	-3119+001	EII=	280+003	YNI=	.400
STX=	-336116+001	STY=	-462023+001	TXV=	-656333+000	STI=	-310289+001	STZ=	-492200+001	ALPHA=	-22.09
EPX=	-743704-003	EPY=	-593648-002	EXV=	-630779+002	EPZ=	-745037+003	EPZ=	-742522+002	ALEPS=	-25.27
ELEM	86	TAU=	9281+000	EPG=	8993+002	SII=	-3284+001	EII=	264+003	YNI=	.400
STX=	-319700+001	STY=	-454836+001	TXV=	-707196+000	STI=	-289458+001	STZ=	-485077+001	ALPHA=	-23.15
EPX=	-567020-003	EPY=	-523658+002	EXV=	-709481+002	EPZ=	-119205+002	EPZ=	-720055+002	ALEPS=	-26.54
ELEM	87	TAU=	1009+001	EPG=	8980+002	SII=	-1524+001	EII=	265+003	YNI=	.400
STX=	-326099+001	STY=	-428833+001	TXV=	-620863+000	STI=	-302369+001	STZ=	-484388+001	ALPHA=	-20.83
EPX=	-274209-003	EPY=	-640043-002	EXV=	-657432+002	EPZ=	-115572+002	EPZ=	-783045+002	ALEPS=	-23.51
ELEM	88	TAU=	1074+001	EPG=	9330+002	SII=	-3282+001	EII=	262+003	YNI=	.400
STX=	-339954+001	STY=	-501767+001	TXV=	-713223+000	STI=	-312930+001	STZ=	-528191+001	ALPHA=	-20.75
EPX=	-257553-003	EPY=	-622025+002	EXV=	-735396+002	EPZ=	-138109+002	EPZ=	-854893+002	ALEPS=	-23.89
ELEM	89	TAU=	1103+001	EPG=	1026+001	SII=	-3036+001	EII=	269+003	YNI=	.400
STX=	-315690+001	STY=	-488872+001	TXV=	-708434+000	STI=	-289843+001	STZ=	-510423+001	ALPHA=	-19.97
EPX=	-137859-003	EPY=	-692025+002	EXV=	-745056+002	EPZ=	-174025+002	EPZ=	-852266+002	ALEPS=	-23.27
ELEM	90	TAU=	1134+001	EPG=	1026+001	SII=	-2352+001	EII=	259+003	YNI=	.400
STX=	-340828+001	STY=	-529474+001	TXV=	-630612+000	STI=	-321717+001	STZ=	-548615+001	ALPHA=	-16.88
EPX=	-326323-003	EPY=	-760360+002	EXV=	-643362+002	EPZ=	-146042+002	EPZ=	-879275+002	ALEPS=	-19.52
ELEM	91	TAU=	1186+001	EPG=	1105+001	SII=	-3629+001	EII=	251+003	YNI=	.400
STX=	-337221+001	STY=	-536371+001	TXV=	-644984+000	STI=	-318152+001	STZ=	-555435+001	ALPHA=	-16.42
EPX=	-533746-003	EPY=	-807697+002	EXV=	-693222+002	EPZ=	-173560+002	EPZ=	-929882+002	ALEPS=	-19.42
ELEM	92	TAU=	1205+001	EPG=	1119+001	SII=	-3803+001	EII=	262+003	YNI=	.400
STX=	-319904+001	STY=	-524955+001	TXV=	-633081+000	STI=	-302007+001	STZ=	-542930+001	ALPHA=	-15.85
EPX=	-846935-003	EPY=	-607697+002	EXV=	-676000+002	EPZ=	-197362+002	EPZ=	-921366+002	ALEPS=	-18.59
ELEM	93	TAU=	1182+001	EPG=	1056+001	SII=	-2649+001	EII=	267+003	YNI=	.400

STX=	-373094+001	STY=	-577975+001	TXY=	-588982+000	STI=	-357369+001	STZ=	-593700+001	ALPHA=-14.95
EPX=	-337498+003	EPY=	-844761+002	EPZ=	-566627+002	EP1=	122690+002	EP2=	-933671+002	ALEPS=-16.87
ELEM	9A	TAU=	12324001	EPG=	1144+001	STI=	-4153+001	EIT=	247+003	YNI= 400
STX=	-332715+001	STY=	-554485+001	TXY=	-537017+000	STI=	-320395+001	STZ=	-568005+001	ALPHA=-12.92
EPX=	-108326+002	EPY=	-874921+002	EPZ=	-584262+002	EP1=	188523+002	EP2=	-953168+002	ALEPS=-12.26
ELEM	95	TAU=	1247+001	EPG=	1153+001	STI=	-4024+001	EIT=	244+003	YNI= 400
STX=	-327926+001	STY=	-552415+001	TXY=	-543896+000	STI=	-315443+001	STZ=	-564898+001	ALPHA=-12.93
EPX=	-119852+002	EPY=	-874921+002	EPZ=	-583883+002	EP1=	199203+002	EP2=	-954270+002	ALEPS=-15.21
ELEM	96	TAU=	1212+001	EPG=	1080+001	STI=	-1433+001	EIT=	269+003	YNI= 400
STX=	-384310+001	STY=	-605130+001	TXY=	-501009+000	STI=	-373475+001	STZ=	-615965+001	ALPHA=-12.20
EPX=	-522362+003	EPY=	-892431+002	EPZ=	-508183+002	EP1=	117216+002	EP2=	-961896+002	ALEPS=-13.92
ELEM	97	TAU=	1258+001	EPG=	1157+001	STI=	-6132+001	EIT=	269+003	YNI= 400
STX=	-339335+001	STY=	-574604+001	TXY=	-642261+000	STI=	-331194+001	STZ=	-582751+001	ALPHA=-10.37
EPX=	-130124+002	EPY=	-919633+002	EPZ=	-486342+002	EP1=	183717+002	EP2=	-973227+002	ALEPS=-12.43
ELEM	98	TAU=	1286+001	EPG=	1175+001	STI=	-4102+001	EIT=	243+003	YNI= 400
STX=	-333833+001	STY=	-572533+001	TXY=	-477971+000	STI=	-324623+001	STZ=	-581767+001	ALPHA=-10.91
EPX=	-144024+002	EPY=	-919633+002	EPZ=	-500021+002	EP1=	199857+002	EP2=	-975467+002	ALEPS=-12.59
ELEM	99	TAU=	1227+001	EPG=	1078+001	STI=	-7638+001	EIT=	276+003	YNI= 400
STX=	-410611+001	STY=	-642687+001	TXY=	-397435+000	STI=	-403993+001	STZ=	-642905+001	ALPHA=-9.45
EPX=	-519617+003	EPY=	-954976+002	EPZ=	-385788+002	EP1=	876487+003	EP2=	-990663+002	ALEPS=-10.48
ELEM	100	TAU=	1420+001	EPG=	1322+001	STI=	-9408+001	EIT=	240+003	YNI= 400
STX=	-355432+001	STY=	-627653+001	TXY=	-406255+000	STI=	-349498+001	STZ=	-633586+001	ALPHA=-8.31
EPX=	-195329+002	EPY=	-105113+001	EPZ=	-432719+002	EP1=	232927+002	EP2=	-108872+001	ALEPS=-9.72
ELEM	101	TAU=	1452+001	EPG=	1362+001	STI=	-3752+001	EIT=	223+003	YNI= 400
STX=	-323874+001	STY=	-604443+001	TXY=	-375194+000	STI=	-318943+001	STZ=	-609374+001	ALPHA=-7.69
EPX=	-250381+002	EPY=	-105113+001	EPZ=	-400752+002	EP1=	280532+002	EP2=	-108128+001	ALEPS=-8.56
ELEM	102	TAU=	1424+001	EPG=	1272+001	STI=	-1323+000	EIT=	265+003	YNI= 400
STX=	-427325+001	STY=	-709287+001	TXY=	-263008+000	STI=	-425873+001	STZ=	-710741+001	ALPHA=-4.10
EPX=	-135207+002	EPY=	-124468+001	EPZ=	-202892+002	EP1=	143723+002	EP2=	-113320+001	ALEPS=-4.68
ELEM	103	TAU=	1620+001	EPG=	1544+001	STI=	-8460+001	EIT=	220+003	YNI= 400
STX=	-347860+001	STY=	-670221+001	TXY=	-126211+000	STI=	-347364+001	STZ=	-671268+001	ALPHA=-2.24
EPX=	-317911+002	EPY=	-121821+001	EPZ=	-156572+002	EP1=	321891+002	EP2=	-122219+001	ALEPS=-2.91
ELEM	104	TAU=	1414+001	EPG=	1569+001	STI=	-4174+001	EIT=	211+003	YNI= 400
STX=	-331242+001	STY=	-657704+001	TXY=	-724522+001	STI=	-331083+001	STZ=	-657864+001	ALPHA= 1.27
EPX=	-348656+002	EPY=	-121821+001	EPZ=	-552980+003	EP1=	349016+002	EP2=	-121937+001	ALEPS= 1.56
ELEM	105	TAU=	1506+001	EPG=	1363+001	STI=	-1530+000	EIT=	262+003	YNI= 400
STX=	-442221+001	STY=	-740148+001	TXY=	-223266+000	STI=	-460584+001	STZ=	-741782+001	ALPHA= 4.22
EPX=	-153574+002	EPY=	-119130+001	EPZ=	-223988+002	EP1=	162836+002	EP2=	-120056+001	ALEPS= 4.73
ELEM	106	TAU=	1448+001	EPG=	1594+001	STI=	-6995+001	EIT=	211+003	YNI= 400
STX=	-338823+001	STY=	-661781+001	TXY=	-329982+000	STI=	-335549+001	STZ=	-665058+001	ALPHA= 5.72
EPX=	-354100+002	EPY=	-122208+001	EPZ=	-345566+002	EP1=	353056+002	EP2=	-126103+001	ALEPS= 6.26
ELEM	107	TAU=	1642+001	EPG=	1595+001	STI=	-9604+001	EIT=	218+003	YNI= 400
STX=	-355418+001	STY=	-672490+001	TXY=	-428300+000	STI=	-349734+001	STZ=	-676173+001	ALPHA= 7.56
EPX=	-301366+002	EPY=	-122208+001	EPZ=	-471865+002	EP1=	337068+002	EP2=	-125778+001	ALEPS= 8.60
ELEM	108	TAU=	1443+001	EPG=	1313+001	STI=	-1285+000	EIT=	262+003	YNI= 400
STX=	-431034+001	STY=	-701591+001	TXY=	-502764+000	STI=	-421993+001	STZ=	-710632+001	ALPHA= 10.19
EPX=	-109861+002	EPY=	-110305+001	EPZ=	-501490+002	EP1=	159673+002	EP2=	-115286+001	ALEPS= 11.23
ELEM	109	TAU=	1503+001	EPG=	1448+001	STI=	-4685+001	EIT=	217+003	YNI= 400
STX=	-331069+001	STY=	-605158+001	TXY=	-616518+000	STI=	-317860+001	STZ=	-618980+001	ALPHA= 12.11
EPX=	-232017+002	EPY=	-105498+001	EPZ=	-662972+002	EP1=	312378+002	EP2=	-113555+001	ALEPS= 13.63
ELEM	110	TAU=	1491+001	EPG=	1454+001	STI=	-9183+001	EIT=	228+003	YNI= 400
STX=	-354586+001	STY=	-619788+001	TXY=	-683108+000	STI=	-338078+001	STZ=	-636303+001	ALPHA= 13.61
EPX=	-183525+002	EPY=	-105498+001	EPZ=	-761205+002	EP1=	291146+002	EP2=	-116260+001	ALEPS= 15.79
ELEM	111	TAU=	1408+001	EPG=	1312+001	STI=	-7016+001	EIT=	247+003	YNI= 400
STX=	-386490+001	STY=	-628193+001	TXY=	-722596+000	STI=	-366535+001	STZ=	-648148+001	ALPHA= 15.44
EPX=	-974466+003	EPY=	-979712+002	EPZ=	-769501+002	EP1=	214907+002	EP2=	-109226+001	ALEPS= 17.42
ELEM	112	TAU=	1312+001	EPG=	1172+001	STI=	-4172+001	EIT=	247+003	YNI= 400

STX	-36989+001	STY	-563020+001	TXE	-818775+000	STI	-222224+001	YFE	-308864+001	ALPHA	10.76
EPX	-721886-003	EPY	-864706-002	EXY	901961-002	EPJ	-4217-001	EPZ	-1063376-001	ALPES	21.65
ELEM	114	TAU	1222+001	EPG	1133-001	STI	0.000	EPZ	251239-002	YNT	400
STX	-362866+001	STY	-543927+001	TXE	820449+000	STI	-331220+001	STZ	-575573+001	ALPHA	21.09
EPX	-332836-004	EPY	-768921+002	EXY	634573+002	EPJ	180133+002	EPZ	-895243+002	ALPES	23.73
ELEM	115	TAU	1182+001	EPG	1163-001	STI	-4607-001	EPZ	227+003	YNT	400
STX	-306187+001	STY	-644148+001	TXE	872308+000	STI	-266971+001	STZ	-503366+001	ALPHA	24.94
EPX	-412884-004	EPY	-658149-002	EXY	961345-002	EPJ	-230223-002	EPZ	-912501-002	ALPES	27.89
ELEM	116	TAU	1108+001	EPG	1067-001	STI	-5244-001	EPZ	-912501-002	YNT	400
STX	-305009+001	STY	-488107+001	TXE	826175+000	STI	-303529+001	STZ	-525087+001	ALPHA	24.11
EPX	-548247-003	EPY	-658149-002	EXY	880462+002	EPJ	-2277-001	EPZ	-890113-002	ALPES	27.79
ELEM	117	TAU	1031+001	EPG	9627-002	STI	-2277-001	EPZ	-569523+001	YNT	400
STX	-298077+001	STY	-638857+001	TXE	733500+000	STI	-203411+001	STZ	-569523+001	ALPHA	22.69
EPX	-793245-004	EPY	-592829-002	EXY	764411-002	EPJ	-781181-002	EPZ	-781562-002	ALPES	26.28
ELEM	118	TAU	0317+000	EPG	8074-002	STI	-1945-001	EPZ	-781562-002	YNT	400
STX	-293475+001	STY	-364445+001	TXE	618597+000	STI	-266793+001	STZ	-633126+001	ALPHA	30.74
EPX	-127638-002	EPY	-532928-002	EXY	643823-002	EPJ	168417-002	EPZ	-728983-002	ALPES	33.96
ELEM	119	TAU	8358+000	EPG	7969-002	STI	-3453-001	EPZ	-728983-002	YNT	400
STX	-316840+001	STY	-347344+001	TXE	749917+000	STI	-270560+001	STZ	-543694+001	ALPHA	30.60
EPX	-145943-002	EPY	-432928-002	EXY	743449-002	EPJ	-109027-002	EPZ	-687894-002	ALPES	34.45
ELEM	120	TAU	8067+000	EPG	7311-002	STI	-1955-001	EPZ	-687894-002	YNT	400
STX	-273474+001	STY	-362349+001	TXE	673302+000	STI	-237239+001	STZ	-398584+001	ALPHA	28.29
EPX	-916127-003	EPY	-406278-002	EXY	659880-002	EPJ	-116584-002	EPZ	-634429-002	ALPES	32.25
ELEM	121	TAU	7683+000	EPG	7063-002	STI	-3901-001	EPZ	-282+003	YNT	400
STX	-305770+001	STY	-380259+001	TXE	672007+000	STI	-266378+001	STZ	-519833+001	ALPHA	30.51
EPX	-151219-002	EPY	-393440-002	EXY	663494-002	EPJ	-808320-003	EPZ	-625492-002	ALPES	34.97
ELEM	122	TAU	4313+000	EPG	5562-002	STI	-1180-001	EPZ	-625492-002	YNT	400
STX	-235296+001	STY	-312192+001	TXE	500685+000	STI	-210616+001	STZ	-336872+001	ALPHA	26.24
EPX	-750958-003	EPY	-333502-002	EXY	692543-002	EPJ	-238042-003	EPZ	-482405-002	ALPES	31.16
ELEM	123	TAU	5545+000	EPG	5072-002	STI	-2429-001	EPZ	-300+003	YNT	400
STX	-276938+001	STY	-294305+001	TXE	547662+000	STI	-230171+001	STZ	-341073+001	ALPHA	40.50
EPX	-217800-002	EPY	-217891-002	EXY	507156-002	EPJ	-392443-003	EPZ	-468933-002	ALPES	44.72
ELEM	124	TAU	3950+000	EPG	3549-002	STI	-3800-001	EPZ	-468933-002	YNT	400
STX	-258040+001	STY	-280540+001	TXE	379556+000	STI	-229702+001	STZ	-308878+001	ALPHA	36.74
EPX	-181342-002	EPY	-212891-002	EXY	356008-002	EPJ	-286522-003	EPZ	-327581-002	ALPES	42.94
ELEM	125	TAU	6198+000	EPG	4310-002	STI	-6544-002	EPZ	-295+003	YNT	400
STX	-228802+001	STY	-282886+001	TXE	413123+000	STI	-204371+001	STZ	-308322+001	ALPHA	26.32
EPX	-947793-003	EPY	-276540-002	EXY	390929-002	EPJ	-299571-003	EPZ	-401076-002	ALPES	32.54
ELEM	126	TAU	4918+000	EPG	4087-002	STI	-1473-001	EPZ	-401076-002	YNT	400
STX	-238660+001	STY	-293338+001	TXE	408170+000	STI	-216921+001	STZ	-315277+001	ALPHA	28.04
EPX	-127228-002	EPY	-267054-002	EXY	384005-002	EPJ	-219420-004	EPZ	-401476-002	ALPES	32.00
ELEM	127	TAU	3693+000	EPG	2807-002	STI	-1325-001	EPZ	-332+003	YNT	400
STX	-239106+001	STY	-293068+001	TXE	252124+000	STI	-229160+001	STZ	-303034+001	ALPHA	21.33
EPX	-122587-002	EPY	-267054-002	EXY	240673-002	EPJ	-544689-003	EPZ	-335172-002	ALPES	29.51
ELEM	128	TAU	4617+000	EPG	3369-002	STI	-6850-002	EPZ	-310+003	YNT	400
STX	-219876+001	STY	-299633+001	TXE	232697+000	STI	-233583+001	STZ	-305926+001	ALPHA	15.13
EPX	-583278-003	EPY	-312195-002	EXY	221545-002	EPJ	-167866-003	EPZ	-333747-002	ALPES	29.56
ELEM	129	TAU	3926+000	EPG	2855-002	STI	-9473-002	EPZ	-322+003	YNT	400
STX	-222128+001	STY	-282318+001	TXE	252029+000	STI	-229160+001	STZ	-291481+001	ALPHA	19.97
EPX	-960268-003	EPY	-268859-002	EXY	227192-002	EPJ	-397133-003	EPZ	-325173-002	ALPES	26.37
ELEM	130	TAU	3548+000	EPG	2631-002	STI	-6180-002	EPZ	-328+003	YNT	400
STX	-211623+001	STY	-275247+001	TXE	157173+000	STI	-207952+001	STZ	-278918+001	ALPHA	13.15
EPX	-723821-003	EPY	-268859-002	EXY	152363+002	EPJ	-525579-003	EPZ	-225691-002	ALPES	19.40
ELEM	131	TAU	6772+000	EPG	3352-002	STI	-2803-002	EPZ	-304+003	YNT	400
STX	-208573+001	STY	-292584+001	TXE	143650+000	STI	-206359+001	STZ	-301272+001	ALPHA	8.74
EPX	-269844-003	EPY	-352562-002	EXY	137820-002	EPJ	-721636-003	EPZ	-347383-002	ALPES	12.14
ELEM	132	TAU	4083+000	EPG	2800-002	STI	-5647-002	EPZ	-315+003	YNT	400
STX	-203905+001	STY	-279629+001	TXE	153902+000	STI	-200984+001	STZ	-282641+001	ALPHA	11.07
EPX	-510833-003	EPY	-294703-002	EXY	137864+002	EPJ	-329020-003	EPZ	-312884-002	ALPES	14.76
ELEM	133	TAU	3935+000	EPG	2628-002	STI	-3687-002	EPZ	-316+003	YNT	400

STX	-198109+001	STY	-275736+001	TXZ	-667517-001	STZ	-197599+001	ALPHA	4.88
EPX	-617827-003	EPY	-296703-002	EPZ	-714333-003	EP1	-368352-003	ALPES	7.89
ELEM	134	TAU	4793+000	ERG	3317-002	ET1	-1879-002	YNT	400
STX	-205075+001	STY	-300144+001	TXZ	-633669-001	STZ	-300564+001	ALPHA	3.60
EPX	-152651-003	EPY	-341039-002	EPZ	-625190-003	EP1	-327231-003	ALPES	2.53
ELEM	135	TAU	4031+000	ERG	2726-002	ET1	-3133-002	YNT	400
STX	-193768+001	STY	-213023+001	TXZ	-236598-001	STZ	-273692+001	ALPHA	5.27
EPX	-331098-003	EPY	-297685-002	EPZ	-646313-003	EP1	-292160-003	ALPES	6.86
ELEM	136	TAU	4009+000	ERG	2692-002	ET1	-2211-002	YNT	400
STX	-191433+001	STY	-271462+001	TXZ	-240731-001	STZ	-191361+001	ALPHA	1.72
EPX	-292284-003	EPY	-292685-002	EPZ	-272922-003	EP1	-285110-003	ALPES	2.96
ELEM	137	TAU	4771+000	ERG	3290-002	ET1	-1388-002	YNT	400
STX	-205001+001	STY	-300315+001	TXZ	-284842-001	STZ	-300400+001	ALPHA	1.71
EPX	-135435-003	EPY	-342158-002	EPZ	-257570-003	EP1	-342662-002	ALPES	2.24
ELEM	138	TAU	4250+000	ERG	2885-002	ET1	-2326-002	YNT	400
STX	-191527+001	STY	-276137+001	TXZ	-409202-001	STZ	-191329+001	ALPHA	2.76
EPX	-218268-003	EPY	-308202-002	EPZ	-303791-003	EP1	-210248-003	ALPES	3.02
ELEM	139	TAU	2608+000	ERG	1712-002	ET1	-1264-003	YNT	400
STX	-129593+001	STY	-180682+001	TXZ	-522325-001	STZ	-129054+001	ALPHA	-5.83
EPX	-266894-003	EPY	-193494-002	EPZ	-385076-003	EP1	-244958-003	ALPES	-6.50
ELEM	140	TAU	2976+000	ERG	1985-002	ET1	-6658-004	YNT	400
STX	-140709+001	STY	-199733+001	TXZ	-610035-001	STZ	-140505+001	ALPHA	3.96
EPX	-221437-003	EPY	-212963-002	EPZ	-324803-003	EP1	-208060-003	ALPES	-4.71
ELEM	141	TAU	2881+000	ERG	1907-002	ET1	-1014-003	YNT	400
STX	-14543+001	STY	-202191+001	TXZ	-274304-002	STZ	-144542+001	ALPHA	2.7
EPX	-273085-003	EPY	-217963-002	EPZ	-121459-003	EP1	-273045-003	ALPES	-0.02
ELEM	142	TAU	2368+000	ERG	1492+002	ET1	-1244-003	YNT	400
STX	-131425+001	STY	-178219+001	TXZ	-203406-001	STZ	-131337+001	ALPHA	2.48
EPX	-350608-003	EPY	-186649-002	EPZ	-106442-003	EP1	-348842-003	ALPES	2.00
ELEM	143	TAU	2378+000	ERG	1543-002	ET1	-1692-003	YNT	400
STX	-134826+001	STY	-180478+001	TXZ	-665765-003	STZ	-133875+001	ALPHA	-8.13
EPX	-403209-003	EPY	-186649-002	EPZ	-347114-003	EP1	-353158-003	ALPES	-10.38
ELEM	144	TAU	2843+000	ERG	1885-002	ET1	-8656-004	YNT	400
STX	-146433+001	STY	-203202+001	TXZ	-515042-001	STZ	-145962+001	ALPHA	-5.22
EPX	-323663-003	EPY	-213042-002	EPZ	-663935-003	EP1	-296662-003	ALPES	-7.12
ELEM	145	TAU	2839+000	ERG	1865-002	ET1	-1527-003	YNT	400
STX	-144087+001	STY	-200721+001	TXZ	-116205-001	STZ	-144023+001	ALPHA	-1.18
EPX	-293247-003	EPY	-215042-002	EPZ	-198332-003	EP1	-290480-002	ALPES	-2.90
ELEM	146	TAU	2526+000	ERG	1603+002	ET1	-2039-003	YNT	400
STX	-139550+001	STY	-190071+001	TXZ	-270996-002	STZ	-139544+001	ALPHA	-3.31
EPX	-391759-003	EPY	-198645-002	EPZ	-172802-003	EP1	-386818-003	ALPES	-3.18
ELEM	147	TAU	2960+000	ERG	2117-002	ET1	-2839-003	YNT	400
STX	-144399+001	STY	-153343+001	TXZ	-166528+000	STZ	-139270+001	ALPHA	-17.12
EPX	-476441-003	EPY	-198845-002	EPZ	-148437-002	EP1	-172734-003	ALPES	-22.25
ELEM	148	TAU	3539+000	ERG	2539-002	ET1	-1729-003	YNT	400
STX	-153163+001	STY	-220367+001	TXZ	-132386+000	STZ	-152577+001	ALPHA	-11.05
EPX	-240110-003	EPY	-249305-002	EPZ	-121411-002	EP1	-869502-004	ALPES	-16.76
ELEM	149	TAU	3937+000	ERG	3082-002	ET1	-2717-003	YNT	400
STX	-140132+001	STY	-215928+001	TXZ	-113281+000	STZ	-138461+001	ALPHA	-8.36
EPX	-113788-003	EPY	-275617-002	EPZ	-112342-002	EP1	-219735-003	ALPES	-10.69
ELEM	150	TAU	3539+000	ERG	3035-002	ET1	-1903-003	YNT	400
STX	-139871+001	STY	-215648+001	TXZ	-307590+000	STZ	-138573+001	ALPHA	-7.93
EPX	-111726-003	EPY	-27617-002	EPZ	-291859+003	EP1	-195003-003	ALPES	-9.54
ELEM	151	TAU	4780+000	ERG	3700-002	ET1	-2731-003	YNT	400
STX	-103438+001	STY	-257866+001	TXZ	-745815-001	STZ	-162852+001	ALPHA	-6.69
EPX	-239592-003	EPY	-337955-002	EPZ	-768073-003	EP1	-279892-003	ALPES	-5.99
ELEM	152	TAU	4780+000	ERG	3700-002	ET1	-2731-003	YNT	400

STX	-14277+001	STY	-230206+001	TAU	-14277+001	STZ	-144133+001	YNT	-230369+001	ALPHA	-2.35
EPX	-254499-003	EPY	-306737-002	EPZ	-306737-002	EPY	-205764-003	EPZ	-309863-002	ALPHA	-3.32
ELEM	154	TAU	4215+000	EPG	3275+002	STI	-7312-003	EIT	-284+003	YNT	.400
STX	-149361+001	STY	-233293+001	TAU	-388328-001	STI	-149182+001	STZ	-233473+001	ALPHA	-2.64
EPX	-164227-003	EPY	-308737-002	EPZ	-388665-003	EPY	-175812-003	EPZ	-309895+002	ALPHA	-3.61
ELEM	155	TAU	4713+000	EPG	3599+002	STI	-5658-003	EIT	-287+003	YNT	.400
STX	-171493+001	STY	-265738+003	TAU	-594411+002	STI	-121489+001	STZ	-265742+001	ALPHA	-1.36
EPX	-149067-003	EPY	-344632-002	EPZ	-157255-003	EPY	-159804-003	EPZ	-344804-002	ALPHA	-1.25
ELEM	156	TAU	4672+000	EPG	3554+002	STI	-9849+003	EIT	-291+003	YNT	.400
STX	-176548+001	STY	-269072+001	TAU	-650269-001	STI	-176091+001	STZ	-269526+001	ALPHA	-4.00
EPX	-667308-006	EPY	-344632-002	EPZ	-550094-003	EPY	-881346-004	EPZ	-346772-002	ALPHA	-4.45
ELEM	157	TAU	1894+000	EPG	2969+002	STI	-7781-003	EIT	-295+003	YNT	.400
STX	-153216+001	STY	-230733+003	TAU	-376940-001	STI	-153033+001	STZ	-230918+001	ALPHA	-2.78
EPX	-277873-005	EPY	-294215-002	EPZ	-373915-003	EPY	-146002-004	EPZ	-295397-002	ALPHA	-3.62
ELEM	158	TAU	3621+000	EPG	2900+002	STI	-1601+002	EIT	-100+003	YNT	.400
STX	-158787+001	STY	-234459+001	TAU	-330589-001	STI	-158417+001	STZ	-234829+001	ALPHA	-3.99
EPX	-826147-004	EPY	-294215-002	EPZ	-481455-003	EPY	-629223-004	EPZ	-292927-002	ALPHA	-4.78
ELEM	159	TAU	4259+000	EPG	3187+002	STI	-1081-002	EIT	-302+003	YNT	.400
STX	-179709+001	STY	-264781+001	TAU	-223146-001	STI	-179650+001	STZ	-264840+001	ALPHA	-1.50
EPX	-952799-004	EPY	-327065-002	EPZ	-271112-003	EPY	-895039-004	EPZ	-327663-002	ALPHA	-2.44
ELEM	160	TAU	4222+000	EPG	3157+002	STI	-1928+002	EIT	-304+003	YNT	.400
STX	-183941+001	STY	-267495+001	TAU	-642413-001	STI	-183450+001	STZ	-267986+001	ALPHA	-4.37
EPX	-166306-003	EPY	-322085-002	EPZ	-573193-003	EPY	-140071-003	EPZ	-329709-002	ALPHA	-5.23
ELEM	161	TAU	3438+000	EPG	2569+002	STI	-1718-002	EIT	-311+003	YNT	.400
STX	-162885+001	STY	-231108+001	TAU	-340424-001	STI	-162516+001	STZ	-231271+001	ALPHA	-2.84
EPX	-258378-003	EPY	-277817-002	EPZ	-382864-003	EPY	-243919-003	EPZ	-279263-002	ALPHA	-4.32
ELEM	162	TAU	3369+000	EPG	2488+002	STI	-2068+002	EIT	-315+003	YNT	.400
STX	-167344+001	STY	-233921+001	TAU	-520474-001	STI	-166940+001	STZ	-234326+001	ALPHA	-4.44
EPX	-342356-003	EPY	-272812-002	EPZ	-507102-003	EPY	-316260-003	EPZ	-280428-002	ALPHA	-5.88
ELEM	163	TAU	4069+000	EPG	2969+002	STI	-2161-002	EIT	-309+003	YNT	.400
STX	-186823+001	STY	-267665+001	TAU	-229231-001	STI	-186252+002	STZ	-267731+001	ALPHA	-1.63
EPX	-208177-003	EPY	-321948-002	EPZ	-374240-003	EPY	-259248-003	EPZ	-322836-002	ALPHA	-3.13
ELEM	164	TAU	4087+000	EPG	3032+002	STI	-3572+002	EIT	-311+003	YNT	.400
STX	-192503+001	STY	-271328+001	TAU	-108132+000	STI	-191044+001	STZ	-272785+001	ALPHA	-7.67
EPX	-364509-003	EPY	-321948-002	EPZ	-321948-002	EPY	-285288-003	EPZ	-322880+002	ALPHA	-9.30
ELEM	165	TAU	3068+000	EPG	2214+002	STI	-3305-002	EIT	-325+003	YNT	.400
STX	-173102+001	STY	-232803+001	TAU	-723919-001	STI	-172303+001	STZ	-233662+001	ALPHA	-6.82
EPX	-544909-003	EPY	-263797-002	EPZ	-720469-003	EPY	-486465-003	EPZ	-269824-002	ALPHA	-9.50
ELEM	166	TAU	3085+000	EPG	2282+002	STI	-5251-002	EIT	-327+003	YNT	.400
STX	-181239+001	STY	-237968+001	TAU	-121376+000	STI	-178751+001	STZ	-240456+001	ALPHA	-11.58
EPX	-675225-003	EPY	-293797-002	EPZ	-108672+002	EPY	-535610-003	EPZ	-277789-002	ALPHA	-14.47
ELEM	167	TAU	3519+000	EPG	2539+002	STI	-2431-002	EIT	-321+003	YNT	.400
STX	-188776+001	STY	-255880+001	TAU	-106088+000	STI	-182139+001	STZ	-257512+001	ALPHA	-8.27
EPX	-569841-003	EPY	-289121-002	EPZ	-101923-002	EPY	-459060-003	EPZ	-299799-002	ALPHA	-11.83
ELEM	168	TAU	3235+000	EPG	2281+002	STI	-5202-002	EIT	-330+003	YNT	.400
STX	-197171+001	STY	-260381+001	TAU	-682469-001	STI	-196429+001	STZ	-261122+001	ALPHA	-6.14
EPX	-748061-003	EPY	-289121-002	EPZ	-718969-003	EPY	-68389-003	EPZ	-294990-002	ALPHA	-9.27
ELEM	169	TAU	2532+000	EPG	1748+002	STI	-6486-002	EIT	-343+003	YNT	.400
STX	-189605+001	STY	-239125+001	TAU	-516415+001	STI	-189073+001	STZ	-239707+001	ALPHA	-5.88
EPX	-902025-003	EPY	-254209-002	EPZ	-603330-003	EPY	-868299-003	EPZ	-259582-002	ALPHA	-10.10
ELEM	170	TAU	2969+000	EPG	2296+002	STI	-9186+002	EIT	-334+003	YNT	.400
STX	-196632+001	STY	-243575+001	TAU	-181859+000	STI	-190411+001	STZ	-249795+001	ALPHA	-18.88
EPX	-104814-002	EPY	-254209-002	EPZ	-174356+002	EPY	-642088-003	EPZ	-294315-002	ALPHA	-24.70
ELEM	171	TAU	3332+000	EPG	2023+002	STI	-3784+002	EIT	-322+003	YNT	.400
STX	-108328+001	STY	-239826+001	TAU	-198818+000	STI	-129814+001	STZ	-256452+001	ALPHA	-18.32
EPX	-637907-003	EPY	-262513-002	EPZ	-192032+002	EPY	-419861-003	EPZ	-304318-002	ALPHA	-23.53
ELEM	172	TAU	2699+000	EPG	2094+002	STI	-8093+002	EIT	-343+003	YNT	.400
STX	-207713+001	STY	-255189+001	TAU	-128400+000	STI	-204461+001	STZ	-258439+001	ALPHA	-14.20
EPX	-103705-002	EPY	-262513-002	EPZ	-136796+002	EPY	-783080-003	EPZ	-287911-002	ALPHA	-20.37
ELEM	173	TAU	2024+000	EPG	1833+002	STI	-9403+002	EIT	-356+003	YNT	.400

STX	-203067+001	STY	-235912+001	TXV	-116210+000	STI	-192337+001	STZ	-239723+001	ALPHA	-17.87
EPX	-124586-002	EPY	-740161-002	EXV	-142345-002	EP1	-906914-003	EP2	-274036-002	ALEPS	-25.47
ELEM	174	LAUF	2691400	LP6	2468-002	STI	-1435-001	EIT	343+003	YNI	.400
STX	-221494+001	STY	-250978+001	TXV	-225082+000	STI	-209329+001	STZ	-263142+001	ALPHA	-28.39
EPX	-153902-002	EPY	-240141-002	EXV	-222331-002	EP1	-686318-003	EP2	-315472-002	ALEPS	-33.53
ELEM	175	LAUF	3141+000	EPG	2797-002	STI	-9311-002	EIT	333+003	YNI	.400
STX	-212685+001	STY	-251254+001	TXV	-246208+000	STI	-200213+001	STZ	-263526+001	ALPHA	-25.89
EPX	-118290-002	EPY	-258183-002	EXV	-242198-002	EP1	-483889-002	EP2	-328085-002	ALEPS	-29.99
ELEM	176	LAUF	2502400	EPG	2180-002	STI	-1119-001	EIT	350+003	YNI	.400
STX	-219263+001	STY	-257958+001	TXV	-158680+000	STI	-213584+001	STZ	-263632+001	ALPHA	-19.68
EPX	-117291-002	EPY	-258183-002	EXV	-166853-002	EP1	-790588-003	EP2	-297039-002	ALEPS	-24.87
ELEM	177	LAUF	1870+000	EPG	2023-002	STI	-1643-001	EIT	362+003	YNI	.400
STX	-225742+001	STY	-241462+001	TXV	-169238+000	STI	-216933+001	STZ	-252326+001	ALPHA	-32.61
EPX	-155206-002	EPY	-230945-002	EXV	-187570-002	EP1	-919318-003	EP2	-294217-002	ALEPS	-34.01
ELEM	178	LAUF	4655400	EPG	4178-002	STI	-2727-001	EIT	311+003	YNI	.400
STX	-252357+001	STY	-277311+001	TXV	-468497+000	STI	-218281+001	STZ	-311387+001	ALPHA	-37.23
EPX	-186419-002	EPY	-210243-002	EXV	-413388-002	EP1	-201468-005	EP2	-512566-002	ALEPS	-51.94
ELEM	179	LAUF	4307+000	EPG	4648-002	STI	-1083-001	EIT	295+003	YNI	.400
STX	-237308+001	STY	-285525+001	TXV	-429522+000	STI	-208390+001	STZ	-314524+001	ALPHA	-31.51
EPX	-128360-002	EPY	-285365-002	EXV	-437453-002	EP1	-255319-003	EP2	-439236-002	ALEPS	-35.13
ELEM	180	LAUF	4824400	EPG	4232-002	STI	-1908-001	EIT	304+003	YNI	.400
STX	-230858+001	STY	-282270+001	TXV	-408452+000	STI	-208331+001	STZ	-304848+001	ALPHA	-28.91
EPX	-115584-002	EPY	-285365-002	EXV	-385531-002	EP1	-101528-003	EP2	-411082-002	ALEPS	-33.12
ELEM	181	LAUF	5323+000	EPG	4855-002	STI	-3228-001	EIT	307+003	YNI	.400
STX	-268768+001	STY	-313592+001	TXV	-472213+000	STI	-239118+001	STZ	-345378+001	ALPHA	-31.85
EPX	-163224-002	EPY	-310218-002	EXV	-462701-002	EP1	-602380-004	EP2	-479465-002	ALEPS	-36.19
ELEM	182	LAUF	6653400	EPG	6148-002	STI	-3502-001	EIT	272+003	YNI	.400
STX	-264727+001	STY	-304429+001	TXV	-634987+000	STI	-218049+001	STZ	-351107+001	ALPHA	-36.32
EPX	-181638-002	EPY	-310218-002	EXV	-603212-002	EP1	-614752-003	EP2	-553332-002	ALEPS	-38.96
ELEM	183	LAUF	7062+000	EPG	6382-002	STI	-1984-001	EIT	277+003	YNI	.400
STX	-266353+001	STY	-343624+001	TXV	-591269+000	STI	-234382+001	STZ	-375626+001	ALPHA	-28.42
EPX	-105943-002	EPY	-399704-002	EXV	-566584-002	EP1	-662820-003	EP2	-571929-002	ALEPS	-31.30
ELEM	184	LAUF	4330400	EPG	5842-002	STI	-2045-001	EIT	280+003	YNI	.400
STX	-237076+001	STY	-319111+001	TXV	-482129+000	STI	-214794+001	STZ	-341394+001	ALPHA	-26.81
EPX	-743709-003	EPY	-392204-002	EXV	-482282-002	EP1	-550842-003	EP2	-529159-002	ALEPS	-28.08
ELEM	185	LAUF	4921+000	EPG	6505-002	STI	-3387-001	EIT	284+003	YNI	.400
STX	-273764+001	STY	-355449+001	TXV	-558513+000	STI	-245367+001	STZ	-383780+001	ALPHA	-26.90
EPX	-116668-002	EPY	-437743-002	EXV	-565697-002	EP1	-480408-003	EP2	-602432-002	ALEPS	-30.21
ELEM	186	LAUF	7934400	EPG	7648-002	STI	-1185-001	EIT	259+003	YNI	.400
STX	-262217+001	STY	-348481+001	TXV	-665657+000	STI	-226014+001	STZ	-384684+001	ALPHA	-28.53
EPX	-104469-002	EPY	-437743-002	EXV	-688388-002	EP1	-111290-002	EP2	-653522-002	ALEPS	-32.08
ELEM	187	LAUF	4391+000	EPG	7897-002	STI	-1927-001	EIT	260+003	YNI	.400
STX	-269803+001	STY	-379946+001	TXV	-633126+000	STI	-240960+001	STZ	-408787+001	ALPHA	-25.49
EPX	-567021-003	EPY	-514598-002	EXV	-643452-002	EP1	-109223-002	EP2	-680523-002	ALEPS	-27.28
ELEM	188	LAUF	8511400	EPG	8155-002	STI	-2114-001	EIT	249+003	YNI	.400
STX	-250936+001	STY	-369260+001	TXV	-611846+000	STI	-226984+001	STZ	-395208+001	ALPHA	-22.98
EPX	-247563-003	EPY	-514598-002	EXV	-652019-002	EP1	-138081-002	EP2	-677437-002	ALEPS	-26.54
ELEM	189	LAUF	9160+000	EPG	9060-002	STI	-3411-001	EIT	253+003	YNI	.400
STX	-278291+001	STY	-403397+001	TXV	-669087+000	STI	-249249+001	STZ	-432439+001	ALPHA	-23.46
EPX	-437525-003	EPY	-573180-002	EXV	-735171-002	EP1	-144514-002	EP2	-761440-002	ALEPS	-27.12
ELEM	190	LAUF	9084400	EPG	9092-002	STI	-3012-001	EIT	232+003	YNI	.400
STX	-255547+001	STY	-388867+001	TXV	-702464+000	STI	-225364+001	STZ	-419047+001	ALPHA	-23.25
EPX	-825520-004	EPY	-573180-002	EXV	-788129-002	EP1	-194125-002	EP2	-775560-002	ALEPS	-27.18
ELEM	191	LAUF	1013+001	EPG	9770-002	STI	-2942-001	EIT	248+003	YNI	.400
STX	-288166+001	STY	-443332+001	TXV	-651687+000	STI	-264449+001	STZ	-467108+001	ALPHA	-20.01
EPX	-137830-003	EPY	-660060-002	EXV	-697845-002	EP1	-160414-002	EP2	-816598-002	ALEPS	-22.79

STX=	-269787+001	STY=	-543849+001	IXY=	-597407+000	STJ=	-251254+001	STZ=	-462380+001	ALPHA=	-17.23
EPX=	678469-003	EPY=	-728880-002	EPZ=	-701604-002	EPJ=	199975-002	EPK=	-861360-002	ALEPS=	-20.69
ELEM	194	IAU=	1079+001	EPG=	1081-001	STI=	-1528-001	EII=	221+003	YNI=	400
SL=	.236										
STX=	-252182+001	STY=	-632173+001	IXY=	-595322+000	STJ=	-234274+001	STZ=	-450082+001	ALPHA=	-16.74
EPX=	978044-003	EPY=	-728880-002	EPZ=	-694374-002	EPJ=	226035-002	EPK=	-855111-002	ALEPS=	-19.98
ELEM	195	IAU=	1102+001	EPG=	1067-001	STI=	-2876-001	EII=	243+003	YNI=	400
SL=	.221										
STX=	-292534+001	STY=	-463026+001	IXY=	-554471+000	STJ=	-275273+001	STZ=	-592987+001	ALPHA=	-15.10
EPX=	836934-003	EPY=	-796612-002	EPZ=	-603397-002	EPJ=	177166-002	EPK=	-890085-002	ALEPS=	-17.21
ELEM	196	IAU=	1118+001	EPG=	1082-001	STI=	-3045-001	EII=	217+003	YNI=	400
SL=	.230										
STX=	-283519+001	STY=	-680364+001	IXY=	-530514+000	STJ=	-270132+001	STZ=	-493751+001	ALPHA=	-14.16
EPX=	108326-002	EPY=	-296612-002	EPZ=	-592872-002	EPJ=	196785-002	EPK=	-885073-002	ALEPS=	-16.62
ELEM	197	IAU=	1134+001	EPG=	1145-001	STI=	-3763-001	EII=	223+003	YNI=	400
SL=	.254										
STX=	-259000+001	STY=	-664884+001	IXY=	-475833+000	STJ=	-288534+001	STZ=	-475351+001	ALPHA=	-12.40
EPX=	154970-002	EPY=	-828043-002	EPZ=	-587338-002	EPJ=	236019-002	EPK=	-909093-002	ALEPS=	-15.43
ELEM	198	IAU=	1157+001	EPG=	1162-001	STI=	-3524-001	EII=	214+003	YNI=	400
SL=	.269										
STX=	-269529+001	STY=	-459561+001	IXY=	-486546+000	STJ=	-238805+001	STZ=	-470284+001	ALPHA=	-12.43
EPX=	376649-002	EPY=	-828043-002	EPZ=	-584664-002	EPJ=	253331-002	EPK=	-906923-002	ALEPS=	-15.10
ELEM	199	IAU=	1144+001	EPG=	1098-001	STI=	-4128-001	EII=	244+003	YNI=	400
SL=	.219										
STX=	-300655+001	STY=	-510486+001	IXY=	-454637+000	STJ=	-291037+001	STZ=	-519920+001	ALPHA=	-11.70
EPX=	119852-002	EPY=	-657453-002	EPZ=	-501395-002	EPJ=	180409-002	EPK=	-918009-002	ALEPS=	-13.58
ELEM	200	IAU=	1169+001	EPG=	1105-001	STI=	-2848-001	EII=	241+003	YNI=	400
SL=	.224										
STX=	-294161+001	STY=	-506128+001	IXY=	-443787+000	STJ=	-205245+001	STZ=	-515044+001	ALPHA=	-11.36
EPX=	130124-002	EPY=	-857453-002	EPZ=	-694837-002	EPJ=	188643-002	EPK=	-915921-002	ALEPS=	-13.31
ELEM	201	IAU=	1205+001	EPG=	1220-001	STI=	-5272-001	EII=	213+003	YNI=	400
SL=	.269										
STX=	-254203+001	STY=	-483513+001	IXY=	-369243+000	STJ=	-268404+001	STZ=	-489332+001	ALPHA=	-8.93
EPX=	218727-002	EPY=	-906074-002	EPZ=	-471742-002	EPJ=	266191-002	EPK=	-953537-002	ALEPS=	-11.38
ELEM	202	IAU=	1229+001	EPG=	1232-001	STI=	-3898-001	EII=	206+003	YNI=	400
SL=	.282										
STX=	-248462+001	STY=	-481720+001	IXY=	-387912+000	STJ=	-242209+001	STZ=	-487973+001	ALPHA=	-9.18
EPX=	235033-002	EPY=	-906074-002	EPZ=	-663649-002	EPJ=	280297-002	EPK=	-951339-002	ALEPS=	-11.05
ELEM	203	IAU=	1192+001	EPG=	1135-001	STI=	-8312-001	EII=	248+003	YNI=	400
SL=	.213										
STX=	-316335+001	STY=	-545570+001	IXY=	-328302+000	STJ=	-311726+001	STZ=	-550379+001	ALPHA=	-7.99
EPX=	144024-002	EPY=	-955307-002	EPZ=	-350035-002	EPJ=	171694-002	EPK=	-962977-002	ALEPS=	-8.98
ELEM	204	IAU=	1263+001	EPG=	1214-001	STI=	-6055-001	EII=	228+003	YNI=	400
SL=	.245										
STX=	-293204+001	STY=	-512951+001	IXY=	-397571+000	STJ=	-286781+001	STZ=	-539372+001	ALPHA=	-9.17
EPX=	195329-002	EPY=	-915302-002	EPZ=	-443274-002	EPJ=	257223-002	EPK=	-972702-002	ALEPS=	-10.70
ELEM	205	IAU=	1347+001	EPG=	1386-001	STI=	-9114-001	EII=	199+003	YNI=	400
SL=	.294										
STX=	-259484+001	STY=	-519222+001	IXY=	-349925+000	STJ=	-254862+001	STZ=	-524450+001	ALPHA=	-7.53
EPX=	290203-002	EPY=	-101903-001	EPZ=	-454449-002	EPJ=	328518-002	EPK=	-105735-001	ALEPS=	-9.57
ELEM	206	IAU=	1374+001	EPG=	1378-001	STI=	-5178-001	EII=	198+003	YNI=	400
SL=	.296										
STX=	-263152+001	STY=	-528056+001	IXY=	-364130+000	STJ=	-258237+001	STZ=	-532954+001	ALPHA=	-7.69
EPX=	244383-002	EPY=	-101903-001	EPZ=	-536221-002	EPJ=	326589-002	EPK=	-105122-001	ALEPS=	-8.79
ELEM	207	IAU=	1468+001	EPG=	1428-001	STI=	-1519+000	EII=	232+003	YNI=	400
SL=	.239										
STX=	-353228+001	STY=	-633165+001	IXY=	-233005+000	STJ=	-341365+001	STZ=	-633027+001	ALPHA=	-4.60
EPX=	250381-002	EPY=	-115404-001	EPZ=	-238474-002	EPJ=	262175-002	EPK=	-116583-001	ALEPS=	-5.21
ELEM	208	IAU=	1502+001	EPG=	1503-001	STI=	-9370-001	EII=	208+003	YNI=	400
SL=	.279										
STX=	-301569+001	STY=	-597998+001	IXY=	-241209+000	STJ=	-299619+001	STZ=	-599948+001	ALPHA=	-4.62
EPX=	317211-002	EPY=	-112638-001	EPZ=	-294385-002	EPJ=	332643-002	EPK=	-117093-001	ALEPS=	-5.65
ELEM	209	IAU=	1678+001	EPG=	1815-001	STI=	-1020+000	EII=	166+003	YNI=	400
SL=	.355										
STX=	-263142+001	STY=	-592234+001	IXY=	-460363+000	STJ=	-262544+001	STZ=	-528137+001	ALPHA=	-2.40
EPX=	484211-002	EPY=	-131733-001	EPZ=	-219248-002	EPJ=	490857-002	EPK=	-132398-001	ALEPS=	-3.47
ELEM	210	IAU=	1687+001	EPG=	1795-001	STI=	-9752-001	EII=	173+003	YNI=	400
SL=	.343										
STX=	-274093+001	STY=	-610176+001	IXY=	-464033+000	STJ=	-273459+001	STZ=	-610809+001	ALPHA=	2.48
EPX=	668032-002	EPY=	-131231-001	EPZ=	-181881-002	EPJ=	472652-002	EPK=	-132195-001	ALEPS=	2.91
ELEM	211	IAU=	1655+001	EPG=	1656-001	STI=	-1347+000	EII=	208+003	YNI=	400
SL=	.280										
STX=	-327502+001	STY=	-649314+001	IXY=	-288663+000	STJ=	-326933+001	STZ=	-651883+001	ALPHA=	5.09
EPX=	348656-002	EPY=	-127473-001	EPZ=	-326467-002	EPJ=	365104-002	EPK=	-129118-001	ALEPS=	5.72
ELEM	212	IAU=	1682+001	EPG=	1611-001	STI=	-1344+000	EII=	212+003	YNI=	400
SL=	.272										
STX=	-329519+001	STY=	-645967+001	IXY=	-248083+000	STJ=	-327586+001	STZ=	-667900+001	ALPHA=	4.66
EPX=	334100-002	EPY=	-125522-001	EPZ=	-266400-002	EPJ=	345166-002	EPK=	-126630-001	ALEPS=	4.76
ELEM	213	IAU=	1604+001	EPG=	1697-001	STI=	-8325-001	EII=	179+003	YNI=	400
SL=	.332										

STX	-271812+001	STY	-586907+001	TXV	123148+000	STI	-268518+001	STZ	-589300+001	ALPHA	5.82
EPX	417960-002	EPY	-124129-001	EXY	356180-002	EP1	436863-002	EP2	-126019-001	ALEPS	6.06
ELEM	214	IAUE	1023+001	EPG	1744-001	SIIZ	-9284-001	EIIZ	.0000	YNI	.400
STX	-273036+001	STY	-585434+001	TXV	441941+000	STI	-264904+001	STZ	-591566+001	ALPHA	7.90
EPX	413310-002	EPY	-124128-001	EXY	511702-002	EP1	458094-002	EP2	-128407-001	ALEPS	9.22
ELEM	215	IAUE	1538+001	EPG	1562-001	SIIZ	-8687-001	EIIZ	.0000	YNT	.400
STX	-306031+001	STY	-545219+001	TXV	523660+000	STI	-296864+001	STZ	-604409+001	ALPHA	9.95
EPX	301306-002	EPY	-114728-001	EXY	598403-002	EP1	360938-002	EP2	-120088-001	ALEPS	11.26
ELEM	216	IAUE	1466+001	EPG	1467-001	SIIZ	-1417+000	EIIZ	.0000	YNI	.400
STX	-338304+001	STY	-615371+001	TXV	478764+000	STI	-330395+001	STZ	-623523+001	ALPHA	9.48
EPX	232012-002	EPY	-114128-001	EXY	518792-002	EP1	279027-002	EP2	-118830-001	ALEPS	10.31
ELEM	217	IAUE	1398+001	EPG	1453-001	SIIZ	-6601-001	EIIZ	.0000	YNT	.400
STX	-273555+001	STY	-529412+001	TXV	562636+000	STI	-261729+001	STZ	-541238+001	ALPHA	11.87
EPX	267117-002	EPY	-103524-001	EXY	648728-002	EP1	363320-002	EP2	-111144-001	ALEPS	13.23
ELEM	218	IAUE	1398+001	EPG	1491-001	SIIZ	-8608-001	EIIZ	.0000	YNI	.400
STX	-274307+001	STY	-527475+001	TXV	593808+000	STI	-261071+001	STZ	-540711+001	ALPHA	12.57
EPX	259409-002	EPY	-103524-001	EXY	732478-002	EP1	357561-002	EP2	-113339-001	ALEPS	14.87
ELEM	219	IAUE	1324+001	EPG	1346-001	SIIZ	-5049-001	EIIZ	.0000	YNT	.400
STX	-269761+001	STY	-520942+001	TXV	645558+000	STI	-272954+001	STZ	-532752+001	ALPHA	14.59
EPX	183535-002	EPY	-937414-002	EXY	745568-002	EP1	296193-002	EP2	-105007-001	ALEPS	16.81
ELEM	220	IAUE	1304+001	EPG	1312-001	SIIZ	-9118-001	EIIZ	.0000	YNI	.400
STX	-120822+001	STY	-542479+001	TXV	688331+000	STI	-301224+001	STZ	-562118+001	ALPHA	15.92
EPX	125265-002	EPY	-212444-002	EXY	748228-002	EP1	250033-002	EP2	-106168-001	ALEPS	17.93
ELEM	221	IAUE	1216+001	EPG	1277-001	SIIZ	-5850-001	EIIZ	.0000	YNT	.400
STX	-268656+001	STY	-463244+001	TXV	728222+000	STI	-246591+001	STZ	-582802+001	ALPHA	18.33
EPX	121594-002	EPY	-820539-002	EXY	862715-002	EP1	289251-002	EP2	-988200-002	ALEPS	21.24
ELEM	222	IAUE	1147+001	EPG	1290-001	SIIZ	-6242-001	EIIZ	.0000	YNI	.400
STX	-265576+001	STY	-458936+001	TXV	708191+000	STI	-242521+001	STZ	-482011+001	ALPHA	18.08
EPX	118642-002	EPY	-820539-002	EXY	885843-002	EP1	246221-002	EP2	-996158-002	ALEPS	21.65
ELEM	223	IAUE	1115+001	EPG	1138-001	SIIZ	-3533-001	EIIZ	.0000	YNT	.400
STX	-261583+001	STY	-431244+001	TXV	724141+000	STI	-234882+001	STZ	-452972+001	ALPHA	20.24
EPX	721886-003	EPY	-699398-002	EXY	836436-002	EP1	255453-002	EP2	-882662-002	ALEPS	23.66
ELEM	224	IAUE	1089+001	EPG	1084-001	SIIZ	-5213-001	EIIZ	.0000	YNI	.400
STX	-303198+001	STY	-657369+001	TXV	767954+000	STI	-271503+001	STZ	-489265+001	ALPHA	22.43
EPX	412814-004	EPY	-699398-002	EXY	833030-002	EP1	189993-002	EP2	-893322-002	ALEPS	23.04
ELEM	225	IAUE	9734+000	EPG	1015-001	SIIZ	-5179-001	EIIZ	.0000	YNT	.400
STX	-262421+001	STY	-323158+001	TXV	800564+000	STI	-220451+001	STZ	-515127+001	ALPHA	27.67
EPX	-672109-003	EPY	-523811-002	EXY	908064-002	EP1	211795-002	EP2	-802817-002	ALEPS	31.63
ELEM	226	IAUE	8646+000	EPG	8947-002	SIIZ	-4665-001	EIIZ	.0000	YNI	.400
STX	-258379+001	STY	-369610+001	TXV	662016+000	STI	-227532+001	STZ	-400457+001	ALPHA	24.98
EPX	567062-003	EPY	-523811-002	EXY	761890-002	EP1	158103-002	EP2	-736022-002	ALEPS	29.19
ELEM	227	IAUE	7696+000	EPG	7696-002	SIIZ	-2879-001	EIIZ	.0000	YNT	.400
STX	-228181+001	STY	-321242+001	TXV	610455+000	STI	-198045+001	STZ	-351918+001	ALPHA	26.27
EPX	546247-003	EPY	-422684-002	EXY	675837-002	EP1	146126-002	EP2	-623435-002	ALEPS	30.71
ELEM	228	IAUE	8628+000	EPG	6382-002	SIIZ	-3473-001	EIIZ	.0000	YNI	.400
STX	-278331+001	STY	-358173+001	TXV	764914+000	STI	-231984+001	STZ	-404539+001	ALPHA	31.22
EPX	127638-002	EPY	-422684-002	EXY	785404-002	EP1	143962-002	EP2	-694284-002	ALEPS	34.70
ELEM	229	IAUE	7912+000	EPG	6056-002	SIIZ	-4282-001	EIIZ	.0000	YNT	.400
STX	-246086+001	STY	-295809+001	TXV	723515+000	STI	-200617+001	STZ	-358869+001	ALPHA	39.29
EPX	-223265-002	EPY	-267142-002	EXY	804361-002	EP1	157614-002	EP2	-647905-002	ALEPS	43.44
ELEM	230	IAUE	6031+000	EPG	5981-002	SIIZ	-3708-001	EIIZ	.0000	YNI	.400
STX	-254574+001	STY	-286761+001	TXV	582003+000	STI	-210064+001	STZ	-330675+001	ALPHA	37.41
EPX	-194947-002	EPY	-247142-002	EXY	591684-002	EP1	679846-003	EP2	-530073-002	ALEPS	41.53
ELEM	231	IAUE	5522+000	EPG	5229-002	SIIZ	-2893-001	EIIZ	.0000	YNT	.400
STX	-220529+001	STY	-257064+001	TXV	521112+000	STI	-183574+001	STZ	-294017+001	ALPHA	35.54
EPX	-165943-002	EPY	-241331-002	EXY	514804-002	EP1	679044-001	EP2	-455071-002	ALEPS	39.74

STX=	-194561+001	STY=	-212421+001	TAZ=	55356+000	STI=	-157089+001	STZ=	-269895+001	ALPHA=	39.45
EPX=	-151219-002	EPY=	-174040-002	EPZ=	442951-002	EPI=	-591596-003	EP2=	-384399-002	ALEPS=	43.53
ELEM	234	LAU=	5462+000	EPG=	5251-002	SII=	-1710-001	EII=	276+003	YNI=	.400
STX=	-244375+001	STY=	-719768+001	TAZ=	526073+000	STI=	-178024+001	STZ=	-286068+001	ALPHA=	51.57
EPX=	-270639-002	EPY=	-100974-002	EPZ=	496913-002	EPI=	-767316-003	EP2=	-548162-002	ALEPS=	35.57
ELEM	235	LAU=	4370+000	EPG=	4270-002	SII=	-3138-001	EII=	301+003	YNI=	.400
STX=	-240674+001	STY=	-213694+001	TAZ=	415687+000	STI=	-183461+001	STZ=	-270874+001	ALPHA=	53.99
EPX=	-258660-002	EPY=	-100976-002	EPZ=	396822-002	EPI=	-336814-003	EP2=	-393324-002	ALEPS=	34.16
ELEM	236	LAU=	1945+000	EPG=	3731-002	SII=	-1749-001	EII=	289+003	YNI=	.400
STX=	-210414+001	STY=	-191757+001	TAZ=	383377+000	STI=	-161637+001	STZ=	-260539+001	ALPHA=	51.84
EPX=	-217800-002	EPY=	-82870-003	EPZ=	349511-002	EPI=	-339964-003	EP2=	-339085-002	ALEPS=	35.76
ELEM	237	LAU=	1527+000	EPG=	3527-002	SII=	-2926-001	EII=	318+003	YNI=	.400
STX=	-225993+001	STY=	-207128+001	TAZ=	359863+000	STI=	-181290+001	STZ=	-251833+001	ALPHA=	52.76
EPX=	-238234-002	EPY=	-939515-003	EPZ=	322761-002	EPI=	-927279-004	EP2=	-343458-002	ALEPS=	33.11
ELEM	238	LAU=	2118+000	EPG=	2058+002	SII=	-1437-001	EII=	347+003	YNI=	.400
STX=	-198562+001	STY=	-186349+001	TAZ=	202871+000	STI=	-171244+001	STZ=	-213603+001	ALPHA=	53.34
EPX=	-182342-002	EPY=	-59515-003	EPZ=	184343+002	EPI=	-187200+003	EP2=	-245523-002	ALEPS=	31.81
ELEM	239	LAU=	2708+000	EPG=	2680-002	SII=	-1832-001	EII=	326+003	YNI=	.400
STX=	-195949+001	STY=	-106876+001	TAZ=	228523+000	STI=	-154328+001	STZ=	-208496+001	ALPHA=	61.23
EPX=	-221260-002	EPY=	-501524-003	EPZ=	206302-002	EPI=	-169704-004	EP2=	-269736-002	ALEPS=	25.16
ELEM	240	LAU=	2308+000	EPG=	2258+002	SII=	-1241-001	EII=	311+003	YNI=	.400
STX=	-177379+001	STY=	-154119+001	TAZ=	199386+000	STI=	-142667+001	STZ=	-188832+001	ALPHA=	60.13
EPX=	-193061-002	EPY=	-501529-003	EPZ=	124561+002	EPI=	-881195+004	EP2=	-234422-002	ALEPS=	25.34
ELEM	241	LAU=	3016+000	EPG=	2575-002	SII=	-1668-001	EII=	327+003	YNI=	.400
STX=	-196938+001	STY=	-213336+001	TAZ=	289986+000	STI=	-125072+001	STZ=	-235396+001	ALPHA=	37.02
EPX=	-157110-002	EPY=	-131210-002	EPZ=	257414-002	EPI=	-254331-003	EP2=	-282937-002	ALEPS=	44.34
ELEM	242	LAU=	1438+000	EPG=	9531+003	SII=	-8637-002	EII=	364+003	YNI=	.400
STX=	-178299+001	STY=	-199661+001	TAZ=	962185+001	STI=	-174604+001	STZ=	-203356+001	ALPHA=	21.01
EPX=	-122567-002	EPY=	-131210-002	EPZ=	909228+003	EPI=	-892421-003	EP2=	-184554-002	ALEPS=	36.26
ELEM	243	LAU=	1387+000	EPG=	1193-002	SII=	-1194-001	EII=	361+003	YNI=	.400
STX=	-167060+001	STY=	-122880+001	TAZ=	335630+000	STI=	-156110+001	STZ=	-183849+001	ALPHA=	38.27
EPX=	-138455-002	EPY=	-110312-002	EPZ=	115942-002	EPI=	-647291-003	EP2=	-184038-002	ALEPS=	38.18
ELEM	244	LAU=	1142+000	EPG=	9425+003	SII=	-8163-002	EII=	367+003	YNI=	.400
STX=	-156805+001	STY=	-165926+001	TAZ=	104672+000	STI=	-149944+001	STZ=	-172783+001	ALPHA=	33.23
EPX=	-122997-002	EPY=	-110312-002	EPZ=	939041-003	EPI=	-692729-003	EP2=	-1644031-002	ALEPS=	41.13
ELEM	245	LAU=	2341+000	EPG=	1603-002	SII=	-8957-002	EII=	360+003	YNI=	.400
STX=	-172742+001	STY=	-247244+001	TAZ=	158318+000	STI=	-166600+001	STZ=	-213411+001	ALPHA=	21.28
EPX=	-960268-003	EPY=	-179933-002	EPZ=	136551-002	EPI=	-578649-003	EP2=	-218115-002	ALEPS=	29.22
ELEM	246	LAU=	1999+000	EPG=	1180-002	SII=	-5484-002	EII=	347+003	YNI=	.400
STX=	-162019+001	STY=	-260073+001	TAZ=	621676-001	STI=	-161028+001	STZ=	-201014+001	ALPHA=	9.06
EPX=	-793831-003	EPY=	-179933-002	EPZ=	617222-003	EPI=	-704722-003	EP2=	-188850-002	ALEPS=	15.77
ELEM	247	LAU=	1510+000	EPG=	9474-003	SII=	-7602-002	EII=	355+003	YNI=	.400
STX=	-142144+001	STY=	-170888+001	TAZ=	933381-001	STI=	-143914+001	STZ=	-174118+001	ALPHA=	19.09
EPX=	-899388-003	EPY=	-160055-002	EPZ=	804130-003	EPI=	-676363-003	EP2=	-162377-002	ALEPS=	29.04
ELEM	248	LAU=	1562+000	EPG=	9752-003	SII=	-4660-002	EII=	331+003	YNI=	.400
STX=	-138350+001	STY=	-165296+001	TAZ=	806726-001	STI=	-136305+001	STZ=	-167541+001	ALPHA=	15.55
EPX=	-774241-003	EPY=	-160055-002	EPZ=	757467-003	EPI=	-529807-003	EP2=	-157498-002	ALEPS=	25.02
ELEM	249	LAU=	2790+000	EPG=	1851-002	SII=	-5216-002	EII=	323+003	YNI=	.400
STX=	-155466+001	STY=	-206633+001	TAZ=	111474+000	STI=	-131162+001	STZ=	-208952+001	ALPHA=	11.78
EPX=	-510833-003	EPY=	-208823-002	EPZ=	968349-003	EPI=	-374074-003	EP2=	-222499-002	ALEPS=	15.77
ELEM	250	LAU=	2666+000	EPG=	1698-002	SII=	-3206-002	EII=	325+003	YNI=	.400
STX=	-149862+001	STY=	-202705+001	TAZ=	240418-001	STI=	-149493+001	STZ=	-202814+001	ALPHA=	2.59
EPX=	-417822-003	EPY=	-208823-002	EPZ=	302843-003	EPI=	-404207-003	EP2=	-210186-002	ALEPS=	5.14
ELEM	251	LAU=	1905+000	EPG=	1163-002	SII=	-4516-002	EII=	338+003	YNI=	.400
STX=	-132727+001	STY=	-169657+001	TAZ=	470225-001	STI=	-132137+001	STZ=	-170246+001	ALPHA=	7.14
EPX=	-542165-003	EPY=	-102436-002	EPZ=	425546-003	EPI=	-501853-003	EP2=	-166469-002	ALEPS=	10.73
ELEM	252	LAU=	1954+000	EPG=	1205-002	SII=	-2288-002	EII=	335+003	YNI=	.400
STX=	-128332+001	STY=	-166775+001	TAZ=	355169-001	STI=	-128024+001	STZ=	-167100+001	ALPHA=	5.24
EPX=	-473339-003	EPY=	-162436+002	EPZ=	354605+003	EPI=	-466380-003	EP2=	-165133-002	ALEPS=	8.60
ELEM	253	LAU=	2859+000	EPG=	1897-002	SII=	-3002-002	EII=	318+003	YNI=	.400

STX=	-147374+001	STY=	-203308+001	XY=	592775-001	ST1=	-146753+001	ST2=	-203929+001	ALPHA=	5.98
EPX=	-33105M-003	EPY=	-210111-002	EPZ=	500R20-003	EP1=	-297413-003	EP2=	-219476-002	ALEPS=	7.65
ELEM	254	IAU=	2032+000	EPG=	1824-002	ST1=	-2064-002	ST2=	318+003	YNT=	.400
STX=	-145024+001	STY=	-201737+001	XY=	963749-002	ST1=	-14500R+001	ST2=	-201753+001	ALPHA=	.97
EPX=	-222204-003	EPY=	-210111-002	EPZ=	132430-003	EP1=	-289941-003	EP2=	-216145-002	ALEPS=	2.03
ELEM	255	IAU=	2212+000	EPG=	1413-002	ST1=	-.2708-002	ST2=	325+003	YNT=	.400
STX=	-125337+001	STY=	-169315+001	XY=	322314-001	ST1=	-125303+001	ST2=	-169551+001	ALPHA=	4.19
EPX=	-35406R-003	EPY=	-174277-002	EPZ=	263360-003	EP1=	-341692-003	EP2=	-175514-002	ALEPS=	5.37
ELEM	256	IAU=	2249+000	EPG=	1441-002	ST1=	-.2055-002	ST2=	323+003	YNT=	.400
STX=	-122308+001	STY=	-167400+001	XY=	193436-001	ST1=	-122505+001	ST2=	-167483+001	ALPHA=	2.47
EPX=	-313027-003	EPY=	-124272-002	EPZ=	179043-003	EP1=	-307444-003	EP2=	-124835-002	ALEPS=	3.57
ELEM	257	IAU=	3069+000	EPG=	2056-002	ST1=	-.2096-002	ST2=	311+003	YNT=	.400
STX=	-143908+001	STY=	-204793+001	XY=	609405-001	ST1=	-143713+001	ST2=	-205067+001	ALPHA=	3.83
EPX=	-218298-003	EPY=	-225128-007	EPZ=	303791-003	EP1=	-.206982-003	EP2=	-2226257-002	ALEPS=	4.25
ELEM	258	IAU=	1705+000	EPG=	1443+002	ST1=	-.8504-004	ST2=	216+003	YNT=	.400
STX=	-84460+000	STY=	-117663+001	XY=	-390165-001	ST1=	-.840083+000	ST2=	-118115+001	ALPHA=	-6.61
EPX=	-266894-003	EPY=	-16375M-002	EPZ=	-385074-003	EP1=	-.240729-003	EP2=	-168375-002	ALEPS=	-7.74
ELEM	259	IAU=	1127+000	EPG=	8836-003	ST1=	-.7749-004	ST2=	228+003	YNT=	.400
STX=	-054233+000	STY=	-824578+000	XY=	-238352+001	ST1=	-.651684+000	ST2=	-877122+000	ALPHA=	-6.19
EPX=	-307883-003	EPY=	-115116-002	EPZ=	-263210-003	EP1=	-.287625-003	EP2=	-117121-002	ALEPS=	-8.67
ELEM	260	IAU=	3069+000	EPG=	8335-003	ST1=	-.9786-004	ST2=	233+003	YNT=	.400
STX=	-671378+000	STY=	-885177+000	XY=	109773-002	ST1=	-.671373+000	ST2=	-.885183+000	ALPHA=	-.29
EPX=	-337642-003	EPY=	-315116-002	EPZ=	-152910-005	EP1=	-.332682-003	EP2=	-115114-002	ALEPS=	-.05
ELEM	261	IAU=	1525+000	EPG=	1236-002	ST1=	-.8648-004	ST2=	226+003	YNT=	.400
STX=	-856945+000	STY=	-115762+001	XY=	258046-001	ST1=	-.854733+000	ST2=	-115983+001	ALPHA=	4.88
EPX=	-350668-003	EPY=	-156471-002	EPZ=	231222-003	EP1=	-.339757-003	EP2=	-157563-002	ALEPS=	5.39
ELEM	262	IAU=	1512+000	EPG=	1235-002	ST1=	-.1172-003	ST2=	228+003	YNT=	.400
STX=	-860047+000	STY=	-117285+001	XY=	-378950-001	ST1=	-.875222+000	ST2=	-117768+001	ALPHA=	7.26
EPX=	-403262-003	EPY=	-354471-002	EPZ=	-420334-003	EP1=	-.366409-003	EP2=	-160158-002	ALEPS=	-9.95
ELEM	263	IAU=	9580-001	EPG=	0697-003	ST1=	-.9934-004	ST2=	241+003	YNT=	.400
STX=	-685889+000	STY=	-873982+000	XY=	-155294+001	ST1=	-.684638+000	ST2=	-876233+000	ALPHA=	-5.63
EPX=	-432244-003	EPY=	-106229-002	EPZ=	-227071-003	EP1=	-.412409-003	EP2=	-108213-002	ALEPS=	-9.91
ELEM	264	IAU=	9053+001	EPG=	5839-003	ST1=	-.1448-003	ST2=	266+003	YNT=	.400
STX=	-717704+000	STY=	-897339+000	XY=	-1133006-001	ST1=	-.716994+000	ST2=	-.898047+000	ALPHA=	-3.59
EPX=	-520825-003	EPY=	-106229-002	EPZ=	-223892-003	EP1=	-.498639-003	EP2=	-108452-002	ALEPS=	-11.23
ELEM	265	IAU=	1607+000	EPG=	1265-002	ST1=	-.1297-003	ST2=	225+003	YNT=	.400
STX=	-689824+000	STY=	-121093+001	XY=	80290-002	ST1=	-.889628+000	ST2=	-121133+001	ALPHA=	1.43
EPX=	-391759-003	EPY=	-165336-002	EPZ=	-840827-004	EP1=	-.390360-003	EP2=	-165536-002	ALEPS=	-1.91
ELEM	266	IAU=	1903+000	EPG=	1822-002	ST1=	-.1800-003	ST2=	212+003	YNT=	.400
STX=	-918605+000	STY=	-123147+001	XY=	-109131+000	ST1=	-.883210+000	ST2=	-.126587+001	ALPHA=	-17.49
EPX=	-476447-003	EPY=	-165396-002	EPZ=	-139066-002	EP1=	-.154094-003	EP2=	-197631-002	ALEPS=	-24.87
ELEM	267	IAU=	1624+000	EPG=	1685-002	ST1=	-.1439-003	ST2=	212+003	YNT=	.400
STX=	-783885+000	STY=	-106308+001	XY=	-830793-001	ST1=	-.761034+000	ST2=	-.308593+001	ALPHA=	-13.38
EPX=	-339489-003	EPY=	-157316-002	EPZ=	-114771-002	EP1=	-.114003-003	EP2=	-179884-002	ALEPS=	-21.47
ELEM	268	IAU=	3942+000	EPG=	2220-002	ST1=	-.2584-003	ST2=	392+003	YNT=	.400
STX=	-797706+000	STY=	-106005+001	XY=	-165964+000	ST1=	-.732650+000	ST2=	-.112511+001	ALPHA=	-24.03
EPX=	-391011-003	EPY=	-353806-002	EPZ=	-197081-002	EP1=	-.180623-003	EP2=	-.208969-002	ALEPS=	-30.12
ELEM	269	IAU=	2986+000	EPG=	3397-002	ST1=	-.1842-003	ST2=	182+003	YNT=	.400
STX=	-702035+001	STY=	-358046+001	XY=	-113753+000	ST1=	-.100583+000	ST2=	-.160298+001	ALPHA=	-11.20
EPX=	-133708-003	EPY=	-286390-002	EPZ=	-163439-002	EP1=	-.323240-003	EP2=	-.307343-002	ALEPS=	-14.38
ELEM	270	IAU=	2973+000	EPG=	3334-002	ST1=	-.2603-003	ST2=	182+003	YNT=	.400
STX=	-102411+001	STY=	-157540+001	XY=	-111467+000	ST1=	-.100243+000	ST2=	-.159709+001	ALPHA=	-11.01
EPX=	-113726-003	EPY=	-286390-002	EPZ=	-150283-002	EP1=	-.290710-003	EP2=	-.304288-002	ALEPS=	-13.40
ELEM	271	IAU=	2978+000	EPG=	3495-002	ST1=	-.2145-003	ST2=	166+003	YNT=	.400
STX=	-872009+000	STY=	-145295+001	XY=	-656623-001	ST1=	-.864680+000	ST2=	-.146028+001	ALPHA=	-6.37
EPX=	-367615-003	EPY=	-295820-007	EPZ=	-680121-003	EP1=	-.268620-003	EP2=	-.302851-002	ALEPS=	-8.74

STX=	-108764+001	STY=	-172455+001	TX=	-142733+001	STI=	-108717+001	STZ=	-172687+001	ALPHA=	-1.28
EPX=	-254699+003	EPY=	-331455+002	EX=	-259986+003	EP1=	-259228+003	EP2=	-331928+002	ALEPS=	-2.08
ELEM	274	IAU=	1131+000	EPG=	1688+002	STI=	-4957+003	EIT=	0000	YNI=	.400
STX=	-111795+001	STY=	-174021+003	TX=	-177806+001	STI=	-11744+001	STZ=	-174072+001	ALPHA=	-1.64
EPX=	-164227+003	EPY=	-331455+002	EX=	-260352+003	EP1=	-169084+003	EP2=	-331941+002	ALEPS=	-2.14
ELEM	275	IAU=	2653+000	EPG=	3028+002	STI=	-4046+003	EIT=	0000	YNI=	.400
STX=	-966192+000	STY=	-142602+001	TX=	-86242+002	STI=	-966113+000	STZ=	-149671+001	ALPHA=	-1.74
EPX=	-115291+003	EPY=	-290637+002	EX=	-199403+003	EP1=	-118577+003	EP2=	-290966+002	ALEPS=	-1.89
ELEM	276	IAU=	2594+000	EPG=	2947+002	STI=	-9146+003	EIT=	1964+003	YNI=	.400
STX=	-100434+001	STY=	-151976+001	TX=	-313127+001	STI=	-100264+001	STZ=	-152165+001	ALPHA=	-3.46
EPX=	-146618+004	EPY=	-290637+002	EX=	-389278+003	EP1=	-27811+004	EP2=	-291929+002	ALEPS=	-3.80
ELEM	277	IAU=	2903+000	EPG=	3188+002	STI=	-5518+003	EIT=	0000	YNI=	.400
STX=	-114308+001	STY=	-172272+001	TX=	-155516+001	STI=	-114266+001	STZ=	-172318+001	ALPHA=	-1.54
EPX=	-277873+005	EPY=	-317544+002	EX=	-246271+003	EP1=	-754037+005	EP2=	-318020+002	ALEPS=	-2.21
ELEM	278	IAU=	2850+000	EPG=	3113+002	STI=	-1109+002	EIT=	0000	YNI=	.400
STX=	-118134+001	STY=	-176883+001	TX=	-269695+001	STI=	-118004+001	STZ=	-175011+001	ALPHA=	-2.71
EPX=	-824147+004	EPY=	-317544+002	EX=	-353761+003	EP1=	-72323+004	EP2=	-318522+002	ALEPS=	-3.26
ELEM	279	IAU=	2347+000	EPG=	2610+002	STI=	-8946+003	EIT=	0000	YNI=	.400
STX=	-102323+001	STY=	-349334+001	TX=	-371168+001	STI=	-102262+001	STZ=	-149197+001	ALPHA=	-2.09
EPX=	-142369+003	EPY=	-273481+002	EX=	-304813+003	EP1=	-133440+003	EP2=	-274373+002	ALEPS=	-3.35
ELEM	280	IAU=	2274+000	EPG=	2519+002	STI=	-1844+002	EIT=	0000	YNI=	.400
STX=	-106418+001	STY=	-151565+001	TX=	-317448+001	STI=	-106244+001	STZ=	-151768+001	ALPHA=	-6.01
EPX=	-251424+003	EPY=	-273481+002	EX=	-423599+003	EP1=	-235330+003	EP2=	-275276+002	ALEPS=	-6.84
ELEM	281	IAU=	2601+000	EPG=	2777+002	STI=	-1220+002	EIT=	0000	YNI=	.400
STX=	-120648+001	STY=	-122551+001	TX=	-143520+001	STI=	-120609+001	STZ=	-172829+001	ALPHA=	-1.56
EPX=	-258378+003	EPY=	-302310+002	EX=	-265643+003	EP1=	-252011+003	EP2=	-302947+002	ALEPS=	-2.74
ELEM	282	IAU=	2565+000	EPG=	2709+002	STI=	-2074+002	EIT=	0000	YNI=	.400
STX=	-123304+001	STY=	-173900+001	TX=	-27232+001	STI=	-123154+001	STZ=	-174050+001	ALPHA=	-3.12
EPX=	-342354+003	EPY=	-302310+002	EX=	-382906+003	EP1=	-328250+003	EP2=	-303720+002	ALEPS=	-5.14
ELEM	283	IAU=	2056+000	EPG=	2246+002	STI=	-1902+002	EIT=	0000	YNI=	.400
STX=	-109582+001	STY=	-130532+001	TX=	-190450+001	STI=	-109494+001	STZ=	-150603+001	ALPHA=	-2.65
EPX=	-428328+003	EPY=	-264290+002	EX=	-371754+003	EP1=	-412835+003	EP2=	-265839+002	ALEPS=	-4.76
ELEM	284	IAU=	1949+000	EPG=	2158+002	STI=	-1212+002	EIT=	0000	YNI=	.400
STX=	-114740+001	STY=	-153381+001	TX=	-470595+001	STI=	-114174+001	STZ=	-153947+001	ALPHA=	-6.85
EPX=	-569646+003	EPY=	-264290+002	EX=	-587281+003	EP1=	-327416+003	EP2=	-268513+002	ALEPS=	-8.04
ELEM	285	IAU=	2322+000	EPG=	2412+002	STI=	-2280+002	EIT=	0000	YNI=	.400
STX=	-126503+001	STY=	-172524+001	TX=	-318004+001	STI=	-126289+001	STZ=	-172738+001	ALPHA=	-3.90
EPX=	-544904+003	EPY=	-290845+002	EX=	-479478+003	EP1=	-520817+003	EP2=	-293254+002	ALEPS=	-5.74
ELEM	286	IAU=	2298+000	EPG=	2187+002	STI=	-3641+002	EIT=	0000	YNI=	.400
STX=	-131566+001	STY=	-175508+001	TX=	-673849+001	STI=	-130550+001	STZ=	-176518+001	ALPHA=	-8.52
EPX=	-675525+003	EPY=	-290845+002	EX=	-843926+003	EP1=	-598546+003	EP2=	-298253+002	ALEPS=	-10.35
ELEM	287	IAU=	1569+000	EPG=	1692+002	STI=	-3111+002	EIT=	0000	YNI=	.400
STX=	-116634+001	STY=	-146349+001	TX=	-316921+001	STI=	-115699+001	STZ=	-147481+001	ALPHA=	-9.87
EPX=	-801531+003	EPY=	-233064+002	EX=	-710850+003	EP1=	-723233+003	EP2=	-241494+002	ALEPS=	-12.42
ELEM	288	IAU=	1404+000	EPG=	1676+002	STI=	-4627+002	EIT=	0000	YNI=	.400
STX=	-122977+001	STY=	-149937+001	TX=	-407210+001	STI=	-122393+001	STZ=	-150522+001	ALPHA=	-8.29
EPX=	-90807+003	EPY=	-233664+002	EX=	-535818+003	EP1=	-910479+003	EP2=	-238997+002	ALEPS=	-10.64
ELEM	289	IAU=	1852+000	EPG=	1840+002	STI=	-3662+002	EIT=	0000	YNI=	.400
STX=	-131553+001	STY=	-168121+001	TX=	-183608+001	STI=	-131362+001	STZ=	-168412+001	ALPHA=	-2.84
EPX=	-902025+003	EPY=	-271195+002	EX=	-332710+003	EP1=	-866867+003	EP2=	-272712+002	ALEPS=	-5.21
ELEM	290	IAU=	1931+000	EPG=	2109+002	STI=	-7244+002	EIT=	0000	YNI=	.400
STX=	-140393+001	STY=	-172086+001	TX=	-110418+000	STI=	-133692+001	STZ=	-175554+001	ALPHA=	-17.43
EPX=	-124847+002	EPY=	-271195+002	EX=	-151811+002	EP1=	-925886+003	EP2=	-303454+002	ALEPS=	-23.02
ELEM	291	IAU=	2226+000	EPG=	2567+002	STI=	-2940+002	EIT=	0000	YNI=	.400
STX=	-135981+001	STY=	-171942+001	TX=	-331354+000	STI=	-131207+001	STZ=	-176222+001	ALPHA=	-18.05
EPX=	-104814+002	EPY=	-280228+002	EX=	-187360+002	EP1=	-641918+003	EP2=	-320851+002	ALEPS=	-23.44
ELEM	292	IAU=	1629+000	EPG=	1883+002	STI=	-7030+002	EIT=	0000	YNI=	.400
STX=	-154872+001	STY=	-186063+001	TX=	-471155+001	STI=	-154174+001	STZ=	-186759+001	ALPHA=	-8.40
EPX=	-124566+002	EPY=	-260228+002	EX=	-104049+002	EP1=	-108238+002	EP2=	-296576+002	ALEPS=	-12.13
ELEM	293	IAU=	1123+000	EPG=	1818+002	STI=	-7496+002	EIT=	0000	YNI=	.400

STX=	-146452+001	STY=	-166434+001	IAX=	-516099-001	STI=	-143226+001	STZ=	-167690+001	ALPHA=	-13.68
EPX=	-141282-002	EPY=	-265950-002	EXY=	-132292-002	EP1=	-112724-002	EP2=	-294488-002	ALEPS=	-23.35
ELEM	294	IAU=	1234400	EPG=	2439-002	STI1=	-1152-001	E1Z=	254+003	YNI=	.400
STX=	-170635+001	STY=	-190622+001	IAX=	-144437+000	STI=	-163065+001	STZ=	-198192+001	ALPHA=	-27.66
EPX=	-162008-002	EPY=	-265930-002	EXY=	-220641-002	EP1=	-920262-003	EP2=	-315914-002	ALEPS=	-32.39
ELEM	295	IAU=	1960+000	EPG=	2771-002	STI1=	-6196-002	E1Z=	241+003	YNI=	.400
STX=	-151700+001	STY=	-122801+001	IAX=	-167884+000	STI=	-142911+001	STZ=	-182100+001	ALPHA=	-28.98
EPX=	-143942-002	EPY=	-260252-002	EXY=	-251495-002	EP1=	-633671-003	EP2=	-340647-002	ALEPS=	-32.59
ELEM	296	IAU=	1321+000	EPG=	2042-002	STI1=	-1520-001	E1Z=	266+003	YNI=	.400
STX=	-181832+001	STY=	-180551+001	IAX=	-131972+000	STI=	-167989+001	STZ=	-1944414+001	ALPHA=	133.59
EPX=	-209042-002	EPY=	-220183-002	EXY=	-203901-002	EP1=	-112515-002	EP2=	-316720-002	ALEPS=	-43.64
ELEM	297	IAU=	1654+000	EPG=	2448-002	STI1=	-1068-001	E1Z=	255+003	YNI=	.400
STX=	-166181+001	STY=	-182458+001	IAX=	-1445016+000	STI=	-157274+001	STZ=	-192082+001	ALPHA=	-30.26
EPX=	-155204-002	EPY=	-253877-002	EXY=	-224055-002	EP1=	-827303-003	EP2=	-326951-002	ALEPS=	-33.12
ELEM	298	IAU=	2152+000	EPG=	3844+002	STI1=	-1979-001	E1Z=	260+003	YNI=	.400
STX=	-173922+001	STY=	-203768+001	IAX=	-181920+000	STI=	-163349+001	STZ=	-212350+001	ALPHA=	-25.33
EPX=	-143234-002	EPY=	-352464-002	EXY=	-318191-002	EP1=	-594002-003	EP2=	-443817-002	ALEPS=	-27.23
ELEM	299	IAU=	2850+000	EPG=	4010-002	STI1=	-7919-002	E1Z=	217+003	YNI=	.400
STX=	-165622+001	STY=	-172983+001	IAX=	-282599+000	STI=	-140804+001	STZ=	-327801+001	ALPHA=	-51.29
EPX=	-186419-002	EPY=	-237232-002	EXY=	-397757-002	EP1=	-113311-003	EP2=	-412321-002	ALEPS=	-47.36
ELEM	300	IAU=	3428+000	EPG=	4932-002	STI1=	-3321-001	E1Z=	219+003	YNI=	.400
STX=	-210765+001	STY=	-206899+001	IAX=	-342026+000	STI=	-174575+001	STZ=	-243090+001	ALPHA=	133.38
EPX=	-279923-002	EPY=	-232379-002	EXY=	-591408-002	EP1=	-120282-003	EP2=	-595274-002	ALEPS=	-52.33
ELEM	301	IAU=	1987+000	EPG=	5521-002	STI1=	-1877-001	E1Z=	196+003	YNI=	.400
STX=	-180032+001	STY=	-208221+001	IAX=	-172824+000	STI=	-154294+001	STZ=	-234029+001	ALPHA=	-34.64
EPX=	-163274-002	EPY=	-314564-002	EXY=	-530923-002	EP1=	-374722-003	EP2=	-514930-002	ALEPS=	-37.04
ELEM	302	IAU=	5368+000	EPG=	7429-002	STI1=	-3929-001	E1Z=	182+003	YNI=	.400
STX=	-228074+001	STY=	-258567+001	IAX=	-514717+000	STI=	-189639+001	STZ=	-297003+001	ALPHA=	-36.75
EPX=	-248167-002	EPY=	-421157-002	EXY=	-222460-002	EP1=	-162792-003	EP2=	-206103-002	ALEPS=	-38.27
ELEM	303	IAU=	4019+000	EPG=	8407-002	STI1=	-1630-001	E1Z=	164+003	YNI=	.400
STX=	-209329+001	STY=	-253438+001	IAX=	-560101+000	STI=	-171222+001	STZ=	-291595+001	ALPHA=	-34.26
EPX=	-181638-002	EPY=	-369241-002	EXY=	-820905-002	EP1=	-137935-002	EP2=	-708814-002	ALEPS=	-37.90
ELEM	304	IAU=	5680+000	EPG=	8263-002	STI1=	-2663-001	E1Z=	177+003	YNI=	.400
STX=	-219678+001	STY=	-250990+001	IAX=	-536086+000	STI=	-181403+001	STZ=	-295006+001	ALPHA=	-35.35
EPX=	-223674-002	EPY=	-374490-002	EXY=	-812421-002	EP1=	-114069-002	EP2=	-212233-002	ALEPS=	-39.74
ELEM	305	IAU=	4971+000	EPG=	8891-002	STI1=	-1390-001	E1Z=	161+003	YNI=	.400
STX=	-193521+001	STY=	-257660+001	IAX=	-503655+000	STI=	-165887+001	STZ=	-285315+001	ALPHA=	-28.75
EPX=	-116648-002	EPY=	-484596-002	EXY=	-809342-002	EP1=	-143904-002	EP2=	-745150-002	ALEPS=	-32.78
ELEM	306	IAU=	7060+000	EPG=	1025+001	STI1=	-1133-001	E1Z=	159+003	YNI=	.400
STX=	-227918+001	STY=	-299037+001	IAX=	-609854+000	STI=	-192882+001	STZ=	-334073+001	ALPHA=	-29.88
EPX=	-262556-002	EPY=	-566360-002	EXY=	-595823-002	EP1=	-172832-002	EP2=	-901748-002	ALEPS=	-33.96
ELEM	307	IAU=	7684+000	EPG=	1166-001	STI1=	-1813-001	E1Z=	167+003	YNI=	.400
STX=	-224370+001	STY=	-302640+001	IAX=	-639262+000	STI=	-190165+001	STZ=	-363844+001	ALPHA=	-28.15
EPX=	-104669-002	EPY=	-67615-002	EXY=	-104209-001	EP1=	-216959-002	EP2=	-949063-002	ALEPS=	-31.67
ELEM	308	IAU=	2521+000	EPG=	1184-001	STI1=	-1773-001	E1Z=	138+003	YNI=	.400
STX=	-200823+001	STY=	-296451+001	IAX=	-580523+000	STI=	-173429+001	STZ=	-323845+001	ALPHA=	-25.26
EPX=	-437325-003	EPY=	-627613-002	EXY=	-102923-001	EP1=	-256280-002	EP2=	-927667-002	ALEPS=	-30.23
ELEM	309	IAU=	6067+000	EPG=	1291-001	STI1=	-2566-001	E1Z=	145+003	YNI=	.400
STX=	-225116+001	STY=	-322165+001	IAX=	-616828+000	STI=	-196500+001	STZ=	-327831+001	ALPHA=	-24.93
EPX=	-630977-003	EPY=	-713007-002	EXY=	-111588-001	EP1=	-257624-002	EP2=	-103373-001	ALEPS=	-29.89
ELEM	310	IAU=	8373+000	EPG=	1367-001	STI1=	-2538-001	E1Z=	133+003	YNI=	.400
STX=	-223643+001	STY=	-328689+001	IAX=	-677591+000	STI=	-190434+001	STZ=	-361898+001	ALPHA=	-26.11
EPX=	-666768-003	EPY=	-713007-002	EXY=	-122648-001	EP1=	-304805-002	EP2=	-108249-001	ALEPS=	-31.07
ELEM	311	IAU=	9482+000	EPG=	1483-001	STI1=	-3002-001	E1Z=	139+003	YNI=	.400
STX=	-251079+001	STY=	-341172+001	IAX=	-689937+000	STI=	-223304+001	STZ=	-410947+001	ALPHA=	-23.34
EPX=	-825520-004	EPY=	-846440-002	EXY=	-119483-001	EP1=	-223000-002	EP2=	-118821-001	ALEPS=	-26.89

STX=	-227107+001	STY=	-378631+001	TXV=	-270133+000	STI=	-208106+001	STZ=	-397694+001	ALPHA=-18.69
EPX=	946380-003	EPY=	-988090-002	EPZ=	-113112-001	EP1=	-336174-002	EP2=	-122963-001	ALEPS=-23.13
ELEM	314	TAU=	96074+000	EPG=	1571-001	SII=	-2697-001	EII=	125+003	YMI= 400
SL=	.354									
STX=	-221149+001	STY=	-374860+001	TXV=	-576513+000	STI=	-201939+001	STZ=	-394086+001	ALPHA=-18.44
EPX=	114625-002	EPY=	-988090+002	EPZ=	-111859-001	EP1=	-348633-002	EP2=	-122210-001	ALEPS=-22.70
ELEM	315	TAU=	1005+001	EPG=	1571-001	SII=	-2722-001	EII=	141+003	YMI= 400
SL=	.314									
STX=	-256378+001	STY=	-420325+001	TXV=	-581833+000	STI=	-237833+001	STZ=	-438920+001	ALPHA=-17.68
EPX=	998045-003	EPY=	-148316-001	EPZ=	-103285-001	EP1=	-293507-002	EP2=	-127706-001	ALEPS=-20.56
ELEM	316	TAU=	1008+001	EPG=	1580-001	SII=	-2724-001	EII=	135+003	YMI= 400
SL=	.330									
STX=	-24157+001	STY=	-413710+001	TXV=	-524516+000	STI=	-226851+001	STZ=	-428433+001	ALPHA=-15.68
EPX=	154970-002	EPY=	-108338+001	EPZ=	-981183-002	EP1=	-325270-002	EP2=	-125616-001	ALEPS=-19.20
ELEM	317	TAU=	9945+000	EPG=	1624-001	SII=	-2759-001	EII=	130+003	YMI= 400
SL=	.363									
STX=	-227183+001	STY=	-403402+001	TXV=	-661281+000	STI=	-215838+001	STZ=	-414247+001	ALPHA=-13.82
EPX=	194418-002	EPY=	-112364-001	EPZ=	-948759-002	EP1=	-347459-002	EP2=	-127661-001	ALEPS=-17.87
ELEM	318	TAU=	1014+001	EPG=	1652-001	SII=	-2755-001	EII=	122+003	YMI= 400
SL=	.362									
STX=	-221251+001	STY=	-399824+001	TXV=	-485345+000	STI=	-208917+001	STZ=	-447164+001	ALPHA=-14.26
EPX=	215056-002	EPY=	-112366-001	EPZ=	-968275-002	EP1=	-371293-002	EP2=	-128038-001	ALEPS=-17.25
ELEM	319	TAU=	1047+001	EPG=	1621-001	SII=	-3643-001	EII=	142+003	YMI= 400
SL=	.313									
STX=	-226039+001	STY=	-446702+001	TXV=	-474633+000	STI=	-248664+001	STZ=	-458082+001	ALPHA=-13.68
EPX=	176449-002	EPY=	-119721-001	EPZ=	-861320-002	EP1=	-300307-002	EP2=	-132106-001	ALEPS=-16.04
ELEM	320	TAU=	1066+001	EPG=	1665-001	SII=	-2256-001	EII=	132+003	YMI= 400
SL=	.336									
STX=	-245861+001	STY=	-437153+001	TXV=	-465331+000	STI=	-235143+001	STZ=	-447874+001	ALPHA=-12.97
EPX=	218727-002	EPY=	-119723-001	EPZ=	-876536-002	EP1=	-343645-002	EP2=	-132188-001	ALEPS=-15.88
ELEM	321	TAU=	1087+001	EPG=	1799-001	SII=	-4358-001	EII=	119+003	YMI= 400
SL=	.370									
STX=	-224682+001	STY=	-429312+001	TXV=	-365650+000	STI=	-218345+001	STZ=	-435689+001	ALPHA=-9.83
EPX=	317471-002	EPY=	-129677-001	EPZ=	-794760-002	EP1=	-609995-002	EP2=	-138924-001	ALEPS=-13.11
ELEM	322	TAU=	1092+002	EPG=	1800-001	SII=	-3254-001	EII=	112+003	YMI= 400
SL=	.389									
STX=	-214267+001	STY=	-421525+001	TXV=	-345990+000	STI=	-208663+001	STZ=	-427148+001	ALPHA=-9.23
EPX=	352066-002	EPY=	-129672-001	EPZ=	-721929-002	EP1=	-427628-002	EP2=	-137228-001	ALEPS=-11.82
ELEM	323	TAU=	1063+001	EPG=	1628-001	SII=	-7319-001	EII=	144+003	YMI= 400
SL=	.306									
STX=	-262314+001	STY=	-466102+001	TXV=	-301083+000	STI=	-257958+001	STZ=	-470463+001	ALPHA=-8.23
EPX=	235033-002	EPY=	-129940-001	EPZ=	-544573-002	EP1=	-281918-002	EP2=	-134629-001	ALEPS=-9.77
ELEM	324	TAU=	1129+001	EPG=	1732-001	SII=	-3752-001	EII=	130+003	YMI= 400
SL=	.342									
STX=	-231963+001	STY=	-405431+001	TXV=	-368878+000	STI=	-245768+001	STZ=	-471626+001	ALPHA=-9.53
EPX=	290203-002	EPY=	-129940-001	EPZ=	-692549-002	EP1=	-363767-002	EP2=	-137297-001	ALEPS=-11.88
ELEM	325	TAU=	1130+001	EPG=	1854-001	SII=	-6226-001	EII=	118+003	YMI= 400
SL=	.374									
STX=	-228117+001	STY=	-447101+001	TXV=	-272426+000	STI=	-226408+001	STZ=	-450610+001	ALPHA=-2.16
EPX=	307833-002	EPY=	-137450-001	EPZ=	-633189-002	EP1=	-473577-002	EP2=	-143025-001	ALEPS=-9.99
ELEM	326	TAU=	1151+001	EPG=	1807-001	SII=	-5842-001	EII=	124+003	YMI= 400
SL=	.357									
STX=	-243580+001	STY=	-466173+001	TXV=	-292869+000	STI=	-239791+001	STZ=	-469962+001	ALPHA=-7.37
EPX=	341298-002	EPY=	-137450-001	EPZ=	-568405-002	EP1=	-382147-002	EP2=	-142033-001	ALEPS=-9.16
ELEM	327	TAU=	1168+001	EPG=	1766-001	SII=	-1255+000	EII=	139+003	YMI= 400
SL=	.319									
STX=	-275738+001	STY=	-562851+001	TXV=	-273450+000	STI=	-222493+001	STZ=	-450616+001	ALPHA=-6.77
EPX=	296363-002	EPY=	-140271-001	EPZ=	-488599-002	EP1=	-328850-002	EP2=	-143718-001	ALEPS=-8.03
ELEM	328	TAU=	1140+001	EPG=	2173-001	SII=	-1351+000	EII=	108+003	YMI= 400
SL=	.400									
STX=	-269449+001	STY=	-553500+001	TXV=	-238480+000	STI=	-267461+001	STZ=	-555489+001	ALPHA=-4.77
EPX=	565273-002	EPY=	-177443-001	EPZ=	-495248-002	EP1=	-372749-002	EP2=	-180061-001	ALEPS=-6.03
ELEM	329	TAU=	1431+001	EPG=	2332-001	SII=	-1311+000	EII=	112+003	YMI= 400
SL=	.390									
STX=	-273169+001	STY=	-558073+001	TXV=	-131509+000	STI=	-272563+001	STZ=	-558629+001	ALPHA=-2.64
EPX=	538637-002	EPY=	-177443-001	EPZ=	-296150-002	EP1=	-548077-002	EP2=	-178387-001	ALEPS=-3.65
ELEM	330	TAU=	1440+001	EPG=	2307-001	SII=	-1474+000	EII=	124+003	YMI= 400
SL=	.358									
STX=	-299325+001	STY=	-566914+001	TXV=	-751042-001	STI=	-299129+001	STZ=	-587110+001	ALPHA=-1.49
EPX=	484211-002	EPY=	-161363-001	EPZ=	-200620-002	EP1=	-488583-002	EP2=	-181800-001	ALEPS=-5.50
ELEM	331	TAU=	1392+001	EPG=	2274-001	SII=	-1219+000	EII=	114+003	YMI= 400
SL=	.384									
STX=	-269476+001	STY=	-547812+001	TXV=	-240060+001	STI=	-268455+001	STZ=	-547833+001	ALPHA=-4.49
EPX=	510540-002	EPY=	-175989-001	EPZ=	-120588-002	EP1=	-512140-002	EP2=	-176149-001	ALEPS=-1.52
ELEM	332	TAU=	1398+001	EPG=	2285-001	SII=	-1146+000	EII=	112+003	YMI= 400
SL=	.388									
STX=	-268514+001	STY=	-547221+001	TXV=	-115476+000	STI=	-268036+001	STZ=	-547699+001	ALPHA= 2.37
EPX=	518619-002	EPY=	-175989-001	EPZ=	-213316-002	EP1=	-519882-002	EP2=	-176489-001	ALEPS=-2.68
ELEM	333	TAU=	1423+001	EPG=	2258-001	SII=	-1525+000	EII=	124+003	YMI= 400
SL=	.356									

STX=	-297716+001	STY=	-560830+001	IXY=	154767+000	STI=	-296878+001	STZ=	-581468+001	ALPHA=	3.11	
EPX=	468032-002	EPY=	-177333-001	EXY=	273665-002	EP1=	476354-000	EP2=	-178165-001	ALPES=	3.48	
ELEM	314	IAU=	1494+001	EPG=	2492-001	STI=	-1268+000	EP1=	EEI=	.105+003	SL=	.407
STX=	-275361+001	STY=	-572077+001	IXY=	214774+000	STI=	-273814+001	STZ=	-573624+001	ALPHA=	4.12	
EPX=	588280-002	EPY=	-182323-001	EXY=	388025-002	EP1=	603905-002	EP2=	-188843-001	ALPES=	4.48	
ELEM	315	IAU=	1502+001	EPG=	2504-001	STI=	-1352+000	EP1=	EEI=	.306+003	SL=	.405
STX=	-278214+001	STY=	-522264+001	IXY=	293822+000	STI=	-275311+001	STZ=	-575629+001	ALPHA=	5.64	
EPX=	575346-002	EPY=	-167323-001	EXY=	521991-002	EP1=	608856-002	EP2=	-190074-001	ALPES=	6.02	
ELEM	316	IAU=	1360+001	EPG=	2159-001	STI=	-1193+000	EP1=	EEI=	.123+003	SL=	.360
STX=	-285975+001	STY=	-548242+001	IXY=	358854+000	STI=	-281104+001	STZ=	-583063+001	ALPHA=	7.65	
EPX=	417968-002	EPY=	-165295-001	EXY=	611213-002	EP1=	462123-002	EP2=	-169711-001	ALPES=	8.22	
ELEM	317	IAU=	1377+001	EPG=	2218-001	STI=	-1251+000	EP1=	EEI=	.121+003	SL=	.365
STX=	-287181+001	STY=	-548123+001	IXY=	411829+002	STI=	-280236+001	STZ=	-535682+001	ALPHA=	9.14	
EPX=	413318-002	EPY=	-165295-001	EXY=	806738-002	EP1=	489268-002	EP2=	-172891-001	ALPES=	10.66	
ELEM	318	IAU=	1350+001	EPG=	2230-001	STI=	-1031+000	EP1=	EEI=	.114+003	SL=	.383
STX=	-270018+001	STY=	-524781+001	IXY=	647411+000	STI=	-262389+001	STZ=	-532410+001	ALPHA=	9.68	
EPX=	429154-002	EPY=	-163282-001	EXY=	848456-002	EP1=	513023-002	EP2=	-371674-001	ALPES=	11.18	
ELEM	319	IAU=	1332+001	EPG=	2216-001	STI=	-1317+000	EP1=	EEI=	.118+003	SL=	.372
STX=	-274873+001	STY=	-523661+001	IXY=	622233+000	STI=	-266009+001	STZ=	-532325+001	ALPHA=	10.51	
EPX=	397430-002	EPY=	-163282-001	EXY=	887442-002	EP1=	490361-002	EP2=	-172560-001	ALPES=	11.80	
ELEM	320	IAU=	1218+001	EPG=	1941-001	STI=	-7891-001	EP1=	EEI=	.126+003	SL=	.353
STX=	-271359+001	STY=	-466143+001	IXY=	575641+000	STI=	-256905+001	STZ=	-500598+001	ALPHA=	14.10	
EPX=	267112-002	EPY=	-136186-001	EXY=	102296-001	EP1=	412884-002	EP2=	-182763-001	ALPES=	15.91	
ELEM	321	IAU=	1215+001	EPG=	1984-001	STI=	-9189-001	EP1=	EEI=	.126+003	SL=	.353
STX=	-271178+001	STY=	-483282+001	IXY=	566296+000	STI=	-256091+001	STZ=	-498015+001	ALPHA=	14.43	
EPX=	259469-002	EPY=	-135326-001	EXY=	111421-001	EP1=	430645-002	EP2=	-155310-001	ALPES=	17.09	
ELEM	322	IAU=	1144+001	EPG=	1908-001	STI=	-6829-001	EP1=	EEI=	.123+003	SL=	.356
STX=	-254107+001	STY=	-452985+001	IXY=	565610+000	STI=	-239144+001	STZ=	-467945+001	ALPHA=	14.82	
EPX=	239137-002	EPY=	-133160-001	EXY=	110725-001	EP1=	416212-002	EP2=	-149177-001	ALPES=	17.74	
ELEM	323	IAU=	1151+001	EPG=	1968-001	STI=	-8020-001	EP1=	EEI=	.122+003	SL=	.363
STX=	-253632+001	STY=	-447215+001	IXY=	616687+000	STI=	-235884+001	STZ=	-465759+001	ALPHA=	16.26	
EPX=	222223-002	EPY=	-133470-001	EXY=	322207-001	EP1=	435567-002	EP2=	-152802-001	ALPES=	19.24	
ELEM	324	IAU=	1092+001	EPG=	1791-001	STI=	-4823-001	EP1=	EEI=	.123+003	SL=	.361
STX=	-250866+001	STY=	-417253+001	IXY=	706639+000	STI=	-224905+001	STZ=	-443223+001	ALPHA=	20.17	
EPX=	121594-002	EPY=	-102566-001	EXY=	131385-001	EP1=	408498-002	EP2=	-138256-001	ALPES=	23.59	
ELEM	325	IAU=	1071+001	EPG=	1803-001	STI=	-5095-001	EP1=	EEI=	.124+003	SL=	.357
STX=	-247918+001	STY=	-412683+001	IXY=	685069+000	STI=	-223456+001	STZ=	-437446+001	ALPHA=	19.87	
EPX=	118652-002	EPY=	-109566-001	EXY=	133608-001	EP1=	414222-002	EP2=	-139123-001	ALPES=	23.87	
ELEM	326	IAU=	9180+000	EPG=	1602-001	STI=	-4336-001	EP1=	EEI=	.128+003	SL=	.346
STX=	-226372+001	STY=	-363891+001	IXY=	638006+000	STI=	-201332+001	STZ=	-388931+001	ALPHA=	21.43	
EPX=	447963-003	EPY=	-928721-002	EXY=	127384-001	EP1=	358867-002	EP2=	-124279-001	ALPES=	26.28	
ELEM	327	IAU=	9404+000	EPG=	1641-001	STI=	-4000-001	EP1=	EEI=	.125+003	SL=	.355
STX=	-225158+001	STY=	-336223+001	IXY=	674455+000	STI=	-196681+001	STZ=	-384760+001	ALPHA=	22.91	
EPX=	208660-003	EPY=	-928721-002	EXY=	133895-001	EP1=	366813-002	EP2=	-127467-001	ALPES=	27.33	
ELEM	328	IAU=	9062+000	EPG=	1544-001	STI=	-3529-001	EP1=	EEI=	.115+003	SL=	.380
STX=	-217354+001	STY=	-338816+001	IXY=	750922+000	STI=	-177462+001	STZ=	-358707+001	ALPHA=	27.98	
EPX=	672169-003	EPY=	-708902-002	EXY=	140518-001	EP1=	384325-002	EP2=	-116066-001	ALPES=	32.73	
ELEM	329	IAU=	8439+000	EPG=	1421-001	STI=	-3424-001	EP1=	EEI=	.130+003	SL=	.343
STX=	-216522+001	STY=	-318295+001	IXY=	623308+000	STI=	-183036+001	STZ=	-351812+001	ALPHA=	26.46	
EPX=	547062-003	EPY=	-708907-002	EXY=	126107-001	EP1=	328494-002	EP2=	-109211-001	ALPES=	31.29	
ELEM	330	IAU=	8272+000	EPG=	1194-001	STI=	-2853-001	EP1=	EEI=	.130+003	SL=	.342
STX=	-188996+001	STY=	-247531+001	IXY=	621761+000	STI=	-149345+001	STZ=	-286984+001	ALPHA=	32.40	
EPX=	169466-002	EPY=	-645118-002	EXY=	116334-001	EP1=	290473-002	EP2=	-905077-002	ALPES=	38.34	
ELEM	331	IAU=	7365+000	EPG=	1251-001	STI=	-3053-001	EP1=	EEI=	.131+003	SL=	.338
STX=	-210156+001	STY=	-262424+001	IXY=	690735+000	STI=	-162434+001	STZ=	-370142+001	ALPHA=	34.64	
EPX=	226454-002	EPY=	-445116-002	EXY=	125202-001	EP1=	280444-002	EP2=	-041421-002	ALPES=	39.07	

STX	-191071+001	STY	-23323+001	IXY	580294+000	STI	-150408+001	STZ	-273936+001	ALPHA	34.99
EPX	-194947-002	EPY	-354025-002	EXY	969275+002	EPZ	216636-002	EPZ	-765607-002	ALEPS	40.34
ELEM	354	IAU	5094+000	EPG	8216-002	SI	-2920-001	EIT	150+003	YNI	400
STX	-185966+001	STY	-175079+001	IXY	506535+000	STI	-129553+001	STZ	-231433+001	ALPHA	48.05
EPX	-184131-002	EPY	-122992-002	EXY	722062+002	EPZ	178648-002	EPZ	-642852+002	ALEPS	37.29
ELEM	355	IAU	4808+000	EPG	7618-002	SI	-3326-001	EIT	162+003	YNT	400
STX	-189575+001	STY	-174123+001	IXY	476032+000	STI	-134731+001	STZ	-230925+001	ALPHA	59.02
EPX	-184386-002	EPY	-122992-002	EXY	728904+002	EPZ	147206-002	EPZ	-614580-002	ALEPS	36.55
ELEM	356	IAU	1919+000	EPG	5808-002	SI	2236+001	EIT	169+003	YNI	400
STX	-152772+001	STY	-150981+001	IXY	381815+000	STI	-113685+001	STZ	-190068+001	ALPHA	45.67
EPX	-1235765-002	EPY	-130949+002	EXY	573280+002	EPZ	107051+002	EPZ	-473745-002	ALEPS	39.80
ELEM	357	IAU	6364+000	EPG	6364-002	SI	-2258-001	EIT	163+003	YNT	400
STX	-172770+001	STY	-163316+001	IXY	438236+000	STI	-125017+001	STZ	-211823+001	ALPHA	48.15
EPX	-270639-002	EPY	-130949-002	EXY	620895-002	EPZ	117414-002	EPZ	-519002-002	ALEPS	38.66
ELEM	358	IAU	6782+000	EPG	7472-002	SI	-3000+000	EIT	147+003	YNI	400
STX	-189273+001	STY	-143168+001	IXY	418977+000	STI	-118399+001	STZ	-214042+001	ALPHA	59.41
EPX	-421834-002	EPY	946301+004	EXY	810112+002	EPZ	167396+002	EPZ	-579288-002	ALEPS	27.37
ELEM	359	IAU	3440+000	EPG	5018-002	SI	-2458-001	EIT	182+003	YNT	400
STX	-176720+001	STY	-123109+001	IXY	215673+000	STI	-115510+001	STZ	-184319+001	ALPHA	70.59
EPX	-356837-002	EPY	946303+004	EXY	342927+002	EPZ	771987-003	EPZ	-424572-002	ALEPS	21.56
ELEM	360	IAU	2447+000	EPG	3631-002	SI	-1807-001	EIT	207+003	YNI	400
STX	-148264+001	STY	-116430+001	IXY	185856+000	STI	-107877+001	STZ	-156818+001	ALPHA	65.29
EPX	-258666+002	EPY	-172394+003	EXY	271438+002	EPZ	636993+003	EPZ	-319285-002	ALEPS	24.17
ELEM	361	IAU	2034+000	EPG	3215-002	SI	-1166-001	EIT	214+003	YNT	400
STX	-130700+001	STY	-104511+001	IXY	155423+000	STI	-972635+000	STZ	-137948+001	ALPHA	65.03
EPX	-258234-002	EPY	-172794+003	EXY	233437+002	EPZ	330069+003	EPZ	-288459-002	ALEPS	25.28
ELEM	362	IAU	2027+000	EPG	3606+002	SI	-1746+001	EIT	221+003	YNI	400
STX	-141687+001	STY	-111311+001	IXY	134258+000	STI	-106228+001	STZ	-146770+001	ALPHA	69.26
EPX	-270555-002	EPY	-502662+004	EXY	211308+002	EPZ	325073+003	EPZ	-308089-002	ALEPS	19.39
ELEM	363	IAU	1542+000	EPG	2451-002	SI	-1325-001	EIT	235+003	YNT	400
STX	-129443+001	STY	-101051+001	IXY	601802+001	STI	-998283+000	STZ	-130866+001	ALPHA	78.51
EPX	-231816-002	EPY	-502662+004	EXY	929185+003	EPZ	411964+004	EPZ	-241030-002	ALEPS	11.14
ELEM	364	IAU	1327+000	EPG	2086+002	SI	-1392+001	EIT	251+003	YNI	400
STX	-159812+001	STY	-117776+001	IXY	739817+001	STI	-115517+001	STZ	-142065+001	ALPHA	73.06
EPX	-221280+002	EPY	-375512+003	EXY	986962+003	EPZ	251337+003	EPZ	-233694+002	ALEPS	14.12
ELEM	365	IAU	1044+000	EPG	1693+002	SI	-9595-002	EIT	258+003	YNT	400
STX	-126649+001	STY	-108617+001	IXY	563824+001	STI	-102089+001	STZ	-127273+001	ALPHA	74.31
EPX	-193081-002	EPY	-375512+003	EXY	669553+003	EPZ	306513+003	EPZ	-199981-002	ALEPS	11.65
ELEM	366	IAU	3167+000	EPG	1730+002	SI	-1224+001	EIT	242+003	YNI	400
STX	-113514+001	STY	-959353+000	IXY	767210+001	STI	-930578+000	STZ	-116391+001	ALPHA	69.44
EPX	-180333-002	EPY	-523154+003	EXY	895672+003	EPZ	198205+001	EPZ	-192828-002	ALEPS	15.59
ELEM	367	IAU	7153+001	EPG	1223-002	SI	-8201-002	EIT	263+003	YNT	400
STX	-980760+000	STY	-833582+000	IXY	327329+001	STI	-845373+000	STZ	-988629+000	ALPHA	76.38
EPX	-168511-002	EPY	-323154+003	EXY	381586+003	EPZ	292628+003	EPZ	-151563+002	ALEPS	9.09
ELEM	368	IAU	5402+001	EPG	8393+003	SI	-9336+002	EIT	278+003	YNI	400
STX	-109916+001	STY	-111062+001	IXY	537531+001	STI	-105172+001	STZ	-115926+001	ALPHA	42.14
EPX	-138425-002	EPY	-814439+003	EXY	615977+003	EPZ	679836+003	EPZ	-151916+002	ALEPS	23.61
ELEM	369	IAU	3475+001	EPG	5737+003	SI	-6512-002	EIT	285+003	YNT	400
STX	-102868+001	STY	-106231+001	IXY	304091+001	STI	-101075+001	STZ	-108024+001	ALPHA	30.53
EPX	-122997-002	EPY	-814439+003	EXY	595556+003	EPZ	733556+003	EPZ	-130905+002	ALEPS	21.79
ELEM	370	IAU	5512+001	EPG	8470+003	SI	-7861+002	EIT	271+003	YNI	400
STX	-966159+000	STY	-887495+000	IXY	563916+001	STI	-841641+001	STZ	-952013+000	ALPHA	49.87
EPX	-118042-002	EPY	-603311+003	EXY	619971+003	EPZ	468362+003	EPZ	-131536+002	ALEPS	23.53
ELEM	371	IAU	3099+001	EPG	6063+003	SI	-5551+002	EIT	283+003	YNT	400
STX	-855094+000	STY	-844765+000	IXY	109851+001	STI	-813945+000	STZ	-875916+000	ALPHA	45.15
EPX	-105150-002	EPY	-603311+003	EXY	408381+003	EPZ	524235+003	EPZ	-113057+002	ALEPS	21.17
ELEM	372	IAU	8129+001	EPG	5316+003	SI	-5789+002	EIT	263+003	YNI	400
STX	-966942+000	STY	-110867+001	IXY	398199+001	STI	-956521+000	STZ	-111910+001	ALPHA	14.67
EPX	-899568+003	EPY	-113692+002	EXY	675395+003	EPZ	752595+003	EPZ	-128396+002	ALEPS	31.73
ELEM	373	IAU	8676+001	EPG	5540+003	SI	-3590+002	EIT	259+003	YNT	400

STX=	-.907021+000	STY=	-.107017+001	TXV=	294896-001	STI=	-.901854+000	STZ=	-.107534+001	ALPHA=	9.94
EPX=	-.774211-003	EPY=	-.113697-002	EXV=	418731-003	EP1=	-.678008-003	EP2=	-.123260-002	ALEPS=	24.55
ELEM	374	IAU=	6604-001	EPG=	5464-001	STI=	-.5145-002	EI1=	264+003	YNI=	400
SL=	.061										
STX=	-.79559+000	STY=	-.86323+000	TXV=	456693-001	STI=	-.776383+000	STZ=	-.904468+000	ALPHA=	22.74
EPX=	-.80023-003	EPY=	-.857611-003	EXV=	543370-003	EP1=	-.555612-003	EP2=	-.110201-002	ALEPS=	41.98
ELEM	375	IAU=	5839-001	EPG=	3655-003	STI=	-.3082-002	EI1=	266+003	YNI=	400
SL=	.059										
STX=	-.737699+000	STY=	-.847098+000	TXV=	204399-001	STI=	-.734005+000	STZ=	-.850792+000	ALPHA=	10.24
EPX=	-.675023-003	EPY=	-.857613-003	EXV=	316608-003	EP1=	-.583375-003	EP2=	-.949061-003	ALEPS=	30.81
ELEM	376	IAU=	1197+000	EPG=	8759-001	STI=	-.3297-002	EI1=	241+003	YNI=	400
SL=	.103										
STX=	-.867790+000	STY=	-.110236+001	TXV=	238562-001	STI=	-.845389+000	STZ=	-.110476+001	ALPHA=	5.75
EPX=	-.542165-003	EPY=	-.136168-002	EXV=	101965-003	EP1=	-.154969-003	EP2=	-.139089-002	ALEPS=	10.15
ELEM	377	IAU=	1232+000	EPG=	9208-003	STI=	-.2058-002	EI1=	258+003	YNI=	400
SL=	.109										
STX=	-.838586+000	STY=	-.108315+001	TXV=	149167-001	STI=	-.831680+000	STZ=	-.1086406+000	ALPHA=	3.48
EPX=	-.673339-003	EPY=	-.136368-002	EXV=	234424-003	EP1=	-.458115-003	EP2=	-.137890-002	ALEPS=	7.39
ELEM	378	IAU=	8511-001	EPG=	6022-001	STI=	-.3020-002	EI1=	248+003	YNI=	400
SL=	.090										
STX=	-.709258+000	STY=	-.870441+000	TXV=	280893-001	STI=	-.704532+000	STZ=	-.875196+000	ALPHA=	9.61
EPX=	-.511335-003	EPY=	-.102169-002	EXV=	129724-003	EP1=	-.462720-003	EP2=	-.102033-002	ALEPS=	16.54
ELEM	379	IAU=	8794-001	EPG=	6179-003	STI=	-.1844-002	EI1=	244+003	YNI=	400
SL=	.097										
STX=	-.672464+000	STY=	-.846611+000	TXV=	120662-001	STI=	-.673523+000	STZ=	-.847443+000	ALPHA=	3.24
EPX=	-.433676-003	EPY=	-.102169-002	EXV=	189723-003	EP1=	-.418752-003	EP2=	-.103662-002	ALEPS=	8.94
ELEM	380	IAU=	1420+000	EPG=	1164-002	STI=	-.1931-002	EI1=	228+003	YNI=	400
SL=	.129										
STX=	-.619419+000	STY=	-.110114+001	TXV=	178050-001	STI=	-.818598+000	STZ=	-.110226+001	ALPHA=	3.60
EPX=	-.354008-003	EPY=	-.148266-002	EXV=	201529-003	EP1=	-.345142-003	EP2=	-.149159-002	ALEPS=	5.96
ELEM	381	IAU=	1448+000	EPG=	1175-002	STI=	-.1470-002	EI1=	225+003	YNI=	400
SL=	.135										
STX=	-.798510+000	STY=	-.108775+001	TXV=	294158-002	STI=	-.798291+000	STZ=	-.108727+001	ALPHA=	1.58
EPX=	-.313027-003	EPY=	-.148266-002	EXV=	117209-003	EP1=	-.310098-003	EP2=	-.148559-002	ALEPS=	2.86
ELEM	382	IAU=	1040+000	EPG=	7742-001	STI=	-.1917-002	EI1=	234+003	YNI=	400
SL=	.117										
STX=	-.661894+000	STY=	-.866795+000	TXV=	177151-001	STI=	-.660373+000	STZ=	-.868316+000	ALPHA=	4.91
EPX=	-.352527-003	EPY=	-.111250-002	EXV=	171851-003	EP1=	-.342940-003	EP2=	-.112216-002	ALEPS=	6.41
ELEM	383	IAU=	2931-001	EPG=	3226-003	STI=	-.9839-004	EI1=	233+003	YNI=	400
SL=	.115										
STX=	-.209478+000	STY=	-.227052+000	TXV=	279607-001	STI=	-.188956+000	STZ=	-.245746+000	ALPHA=	36.28
EPX=	-.310317-003	EPY=	-.147249-003	EXV=	278220-003	EP1=	-.675891-004	EP2=	-.590177-003	ALEPS=	29.80
ELEM	384	IAU=	3808-001	EPG=	2223-003	STI=	-.9257-004	EI1=	253+003	YNI=	400
SL=	.082										
STX=	-.349736+000	STY=	-.418640+000	TXV=	162332-001	STI=	-.346103+000	STZ=	-.422273+000	ALPHA=	12.61
EPX=	-.307663-003	EPY=	-.443892-003	EXV=	125667-003	EP1=	-.264644-003	EP2=	-.486915-003	ALEPS=	26.10
ELEM	385	IAU=	3184-001	EPG=	1367-003	STI=	-.1170-003	EI1=	203+003	YNI=	400
SL=	.065										
STX=	-.368046+000	STY=	-.429265+000	TXV=	873499-002	STI=	-.36825+000	STZ=	-.430506+000	ALPHA=	7.96
EPX=	-.337662-003	EPY=	-.443897-003	EXV=	860142-004	EP1=	-.322452-003	EP2=	-.459127-003	ALEPS=	19.50
ELEM	386	IAU=	2134-001	EPG=	1021-003	STI=	-.1061-003	EI1=	256+003	YNI=	400
SL=	.076										
STX=	-.233025+000	STY=	-.244822+000	TXV=	209392-001	STI=	-.207587+000	STZ=	-.250261+000	ALPHA=	50.54
EPX=	-.349640-003	EPY=	-.315692-003	EXV=	201081-003	EP1=	-.777135-004	EP2=	-.386778-003	ALEPS=	20.29
ELEM	387	IAU=	2230-001	EPG=	3398-003	STI=	-.1375-003	EI1=	254+003	YNI=	400
SL=	.079										
STX=	-.235262+000	STY=	-.227082+000	TXV=	219169-001	STI=	-.208885+000	STZ=	-.253479+000	ALPHA=	129.70
EPX=	-.363817-003	EPY=	-.116892-003	EXV=	231354-003	EP1=	-.494371-004	EP2=	-.409272-003	ALEPS=	21.45
ELEM	388	IAU=	3484-001	EPG=	9282-004	STI=	-.1246-003	EI1=	280+003	YNI=	400
SL=	.033										
STX=	-.376763+000	STY=	-.410438+000	TXV=	339577-003	STI=	-.376760+000	STZ=	-.410441+000	ALPHA=	5.58
EPX=	-.492259-003	EPY=	-.332128-003	EXV=	228569-004	EP1=	-.332774-003	EP2=	-.433598-003	ALEPS=	6.76
ELEM	389	IAU=	3381-001	EPG=	1856-003	STI=	-.1766-003	EI1=	285+003	YNI=	400
SL=	.025										
STX=	-.406392+000	STY=	-.432650+000	TXV=	427252-002	STI=	-.407215+000	STZ=	-.433328+000	ALPHA=	9.01
EPX=	-.520873-003	EPY=	-.337128-003	EXV=	260330-004	EP1=	-.36210-003	EP2=	-.521791-003	ALEPS=	4.03
ELEM	390	IAU=	3223-001	EPG=	5026-003	STI=	-.1156-003	EI1=	230+003	YNI=	400
SL=	.124										
STX=	-.226202+000	STY=	-.225520+000	TXV=	322303-001	STI=	-.193668+000	STZ=	-.258133+000	ALPHA=	45.34
EPX=	-.416675-003	EPY=	-.643908-004	EXV=	368243-003	EP1=	-.142829-004	EP2=	-.495339-003	ALEPS=	23.13
ELEM	391	IAU=	4864-001	EPG=	1208-002	STI=	-.2041-003	EI1=	169+003	YNI=	400
SL=	.250										
STX=	-.280187+000	STY=	-.266115+000	TXV=	684784-001	STI=	-.204312+000	STZ=	-.341990+000	ALPHA=	132.07
EPX=	-.612400-003	EPY=	-.624802-004	EXV=	102440-002	EP1=	-.205244-003	EP2=	-.224400-003	ALEPS=	31.27

STX=	-452781+000	STY=	-547779+000	TXV=	-140930+000	STI=	-351562+000	STZ=	-658999+000	ALPHA=	-35.69
EPX=	-391031-003	EPY=	-693135-003	EXV=	-195723-002	EP1=	448131-003	EP2=	-153228-002	ALPES=	-40.81
ELEM	394	TAU=	1872+000	EPG=	2512-002	STI=	-1945-003	EIT=	105+003	YNI=	400
SL=	.408										
STX=	-362517+000	STY=	-677585+000	TXV=	-116088+000	STI=	-342320+000	STZ=	-717782+000	ALPHA=	-19.10
EPX=	-262483+003	EPY=	-158800+002	EXV=	-169868-002	EP1=	593202-003	EP2=	-191872-002	ALPES=	-21.28
ELEM	395	TAU=	1355+000	EPG=	1711-002	STI=	-2614-003	EIT=	182+003	YNI=	400
SL=	.400										
STX=	-458411+000	STY=	-726662+000	TXV=	-201130+001	STI=	-56910+000	STZ=	-727962+000	ALPHA=	-6.27
EPX=	-103502-003	EPY=	-158800-002	EXV=	-257060-003	EP1=	113213-003	EP2=	-159771-002	ALPES=	-4.32
ELEM	396	TAU=	2192+000	EPG=	2748-002	STI=	-1918-003	EIT=	152+003	YNI=	400
SL=	.289										
STX=	-570009+000	STY=	-100149+001	TXV=	-417594-001	STI=	-566065+000	STZ=	-100550+001	ALPHA=	-5.48
EPX=	-396705-003	EPY=	-227652-002	EXV=	-635321-003	EP1=	433934-003	EP2=	-231175-002	ALPES=	-6.68
ELEM	397	TAU=	2054+000	EPG=	2542-002	STI=	-3688-003	EIT=	171+003	YNI=	400
SL=	.244										
STX=	-625106+000	STY=	-103561+001	TXV=	-862764+002	STI=	-625010+000	STZ=	-105272+001	ALPHA=	-1.19
EPX=	-263626-003	EPY=	-227652-002	EXV=	-891142-004	EP1=	264404-003	EP2=	-227730-002	ALPES=	-1.00
ELEM	398	TAU=	1645+000	EPG=	2141-002	STI=	-2728-003	EIT=	171+003	YNI=	400
SL=	.245										
STX=	-500249+000	STY=	-829108+000	TXV=	-498470-002	STI=	-500174+000	STZ=	-829184+000	ALPHA=	-8.7
EPX=	-208901-003	EPY=	-192599+002	EXV=	-102428-003	EP1=	210309-003	EP2=	-193024-002	ALPES=	-1.54
ELEM	399	TAU=	1425+000	EPG=	2019-002	STI=	-5841-003	EIT=	187+003	YNI=	400
SL=	.211										
STX=	-500908+000	STY=	-785915+000	TXV=	-722654+003	STI=	-500986+000	STZ=	-785916+000	ALPHA=	-1.15
EPX=	-891130-004	EPY=	-192959+002	EXV=	-219629-004	EP1=	891728-004	EP2=	-192965-002	ALPES=	-0.31
ELEM	400	TAU=	1860+000	EPG=	2349-002	STI=	-3802-003	EIT=	184+003	YNI=	400
SL=	.212										
STX=	-651834+000	STY=	-102360+001	TXV=	-762448-002	STI=	-651677+000	STZ=	-102376+001	ALPHA=	1.18
EPX=	-115291-003	EPY=	-223405+002	EXV=	-206401-004	EP1=	115336-003	EP2=	-223409-002	ALPES=	.25
ELEM	401	TAU=	1781+000	EPG=	2255-002	STI=	-8953-003	EIT=	195+003	YNI=	400
SL=	.193										
STX=	-685207+000	STY=	-103980+001	TXV=	-120597+001	STI=	-684388+000	STZ=	-104061+001	ALPHA=	-2.75
EPX=	-146608-004	EPY=	-223405-002	EXV=	-169235-003	EP1=	178483-004	EP2=	-223722-002	ALPES=	-2.15
ELEM	402	TAU=	1279+000	EPG=	1898+002	STI=	-5834-003	EIT=	203+003	YNI=	400
SL=	.181										
STX=	-524676+000	STY=	-799300+000	TXV=	-122482+001	STI=	-524084+000	STZ=	-799888+000	ALPHA=	-2.75
EPX=	-389926-004	EPY=	-192692+002	EXV=	-199647+003	EP1=	332341-004	EP2=	-193219-002	ALPES=	-3.02
ELEM	403	TAU=	1278+000	EPG=	1816-002	STI=	-1399-002	EIT=	210+003	YNI=	400
SL=	.163										
STX=	-583597+000	STY=	-812885+000	TXV=	-125215+001	STI=	-582972+000	STZ=	-813505+000	ALPHA=	-2.82
EPX=	-118791-003	EPY=	-192692-002	EXV=	-170019+003	EP1=	114803-003	EP2=	-193091-002	ALPES=	-2.69
ELEM	404	TAU=	1557+000	EPG=	1928+002	STI=	-9183-003	EIT=	210+003	YNI=	400
SL=	.163										
STX=	-711008+000	STY=	-102244+001	TXV=	-648943+003	STI=	-711047+000	STZ=	-102244+001	ALPHA=	-0.08
EPX=	-142309-003	EPY=	-206938-002	EXV=	-516243+004	EP1=	711996+003	EP2=	-206974-002	ALPES=	-1.80
ELEM	405	TAU=	1603+000	EPG=	1826-002	STI=	-1995-002	EIT=	219+003	YNI=	400
SL=	.146										
STX=	-756817+000	STY=	-103272+001	TXV=	-142720+001	STI=	-746048+000	STZ=	-103185+001	ALPHA=	-2.54
EPX=	-251673-003	EPY=	-206938-002	EXV=	-172410+003	EP1=	247395-003	EP2=	-207346-002	ALPES=	-2.71
ELEM	406	TAU=	1323+000	EPG=	1785-002	STI=	-1484-002	EIT=	224+003	YNI=	400
SL=	.135										
STX=	-017899+000	STY=	-841957+000	TXV=	-764265-002	STI=	-617639+000	STZ=	-842218+000	ALPHA=	-1.95
EPX=	-253298+003	EPY=	-203083-002	EXV=	-159919+003	EP1=	249709-003	EP2=	-203442-002	ALPES=	-2.57
ELEM	407	TAU=	8007-001	EPG=	1572-002	STI=	-2662-002	EIT=	244+003	YNI=	400
SL=	.098										
STX=	-610517+000	STY=	-720526+000	TXV=	-319620+002	STI=	-616453+000	STZ=	-720590+000	ALPHA=	-1.14
EPX=	-458827-003	EPY=	-203083-002	EXV=	-885535-006	EP1=	459827-003	EP2=	-203083-002	ALPES=	-0.02
ELEM	408	TAU=	1266+000	EPG=	1682-002	STI=	-1940-002	EIT=	232+003	YNI=	400
SL=	.120										
STX=	-782271+000	STY=	-103542+001	TXV=	-318761-002	STI=	-782230+000	STZ=	-103546+001	ALPHA=	.72
EPX=	-428328-003	EPY=	-210986-002	EXV=	-370191-004	EP1=	428124-003	EP2=	-211007-002	ALPES=	-0.63
ELEM	409	TAU=	1146+000	EPG=	1563-002	STI=	-3348-002	EIT=	240+003	YNI=	400
SL=	.105										
STX=	-815699+000	STY=	-103911+001	TXV=	-254047+001	STI=	-812867+000	STZ=	-104197+001	ALPHA=	-6.41
EPX=	-569666-003	EPY=	-210986-002	EXV=	-263046-003	EP1=	598495-003	EP2=	-212101-002	ALPES=	-4.85
ELEM	410	TAU=	4990-001	EPG=	1304-002	STI=	-2840-002	EIT=	266+003	YNI=	400
SL=	.059										
STX=	-659715+000	STY=	-722629+000	TXV=	-277722+001	STI=	-631272+000	STZ=	-731071+000	ALPHA=	-16.91
EPX=	-722604-003	EPY=	-193987-002	EXV=	-688004+003	EP1=	679027+003	EP2=	-198345-002	ALPES=	-10.53
ELEM	411	TAU=	7122-001	EPG=	1314-002	STI=	-4607-002	EIT=	259+003	YNI=	400
SL=	.070										
STX=	-763929+000	STY=	-890849+000	TXV=	-123818+001	STI=	-756191+000	STZ=	-898637+000	ALPHA=	-13.52
EPX=	-679504-003	EPY=	-193987-002	EXV=	-371792+003	EP1=	652734+003	EP2=	-196672-002	ALPES=	-8.22
ELEM	412	TAU=	2556-001	EPG=	3064-002	STI=	-3574-002	EIT=	262+003	YNI=	400
SL=	.065										
STX=	-868279+000	STY=	-101499+001	TXV=	-181262+001	STI=	-866071+000	STZ=	-101719+001	ALPHA=	-6.94
EPX=	-801531-003	EPY=	-184903+002	EXV=	-184514+003	EP1=	793468+003	EP2=	-185710-002	ALPES=	-5.00
ELEM	413	TAU=	5647-001	EPG=	8883-003	STI=	-5242-002	EIT=	273+003	YNI=	400
SL=	.046										

STX=	919262+000	STY=	103193+001	TXV=	186262-002	STZ=	919149+000	STZ=	103209+001	ALPHA=	-1.96
EPX=	960807-003	EPY=	184903-002	EXV=	948280-003	EPZ=	960782-003	EPZ=	184906-002	ALEPS=	-.31
ELEM	414	IAU=	8014-002	EPG=	6323-001	STZ=	4976-002	EIT=	295+003	YNI=	.400
SL=	.008										
STX=	776749+000	STY=	742271+000	TXV=	208795-002	STZ=	776513+000	STZ=	792549+000	ALPHA=	7.95
EPX=	104307+002	EPY=	142490-002	EXV=	162751-004	EPZ=	104315-002	EPZ=	169542-002	ALEPS=	-1.62
ELEM	415	IAU=	7086-001	EPG=	1079-002	STZ=	7108-002	EIT=	266+003	YNI=	.400
SL=	.058										
STX=	952267+000	STY=	100161+001	TXV=	665014-001	STZ=	904028+000	STZ=	104800+001	ALPHA=	-34.90
EPX=	110319-002	EPY=	169490-002	EXV=	902701-003	EPZ=	859913-003	EPZ=	193888-002	ALEPS=	-28.39
ELEM	416	IAU=	6279-001	EPG=	5288-003	STZ=	6436-002	EIT=	260+003	YNI=	.400
SL=	.069										
STX=	639918+000	STY=	751801+000	TXV=	515232-001	STZ=	728065+000	STZ=	863643+000	ALPHA=	114.73
EPX=	112862+002	EPY=	934008+003	EXV=	350180-003	EPZ=	725804-003	EPZ=	128631-002	ALEPS=	36.29
ELEM	417	IAU=	6720-001	EPG=	6662-005	STZ=	7098-002	EIT=	258+003	YNI=	.400
SL=	.073										
STX=	818927+000	STY=	683112+000	TXV=	172723-001	STZ=	686219+000	STZ=	821320+000	ALPHA=	27.67
EPX=	135771-002	EPY=	960975-003	EXV=	503102-003	EPZ=	786233-003	EPZ=	145246-002	ALEPS=	24.52
ELEM	418	IAU=	9393-001	EPG=	1345-002	STZ=	8893-002	EIT=	263+003	YNI=	.400
SL=	.064										
STX=	113369+001	STY=	124044+001	TXV=	771044+001	STZ=	109285+001	STZ=	128071+001	ALPHA=	-27.58
EPX=	113747-002	EPY=	209756-002	EXV=	121052-002	EPZ=	843306+003	EPZ=	239013-002	ALEPS=	-25.80
ELEM	419	IAU=	7763-001	EPG=	1575-002	STZ=	3805-002	EIT=	227+003	YNI=	.400
SL=	.130										
STX=	598887+000	STY=	645468+000	TXV=	118246+001	STZ=	466562+000	STZ=	599793+000	ALPHA=	85.62
EPX=	180966-002	EPY=	319304-002	EXV=	753912-003	EPZ=	171361-002	EPZ=	328908-002	ALEPS=	14.29
ELEM	420	IAU=	6899-001	EPG=	1100-002	STZ=	6653-002	EIT=	256+003	YNI=	.400
SL=	.076										
STX=	999141+000	STY=	113292+001	TXV=	729743-001	STZ=	967038+000	STZ=	116502+001	ALPHA=	-23.75
EPX=	118833-002	EPY=	189192-002	EXV=	793032-003	EPZ=	951500-003	EPZ=	206075-002	ALEPS=	-22.82
ELEM	421	IAU=	4792-001	EPG=	7890-003	STZ=	6019-002	EIT=	281+003	YNI=	.400
SL=	.032										
STX=	115070+001	STY=	119433+001	TXV=	626613-001	STZ=	132460+001	STZ=	122045+001	ALPHA=	-31.55
EPX=	133771-002	EPY=	177194-002	EXV=	658773-003	EPZ=	116032-002	EPZ=	194933-002	ALEPS=	-28.30
ELEM	422	IAU=	6124-001	EPG=	8466-002	STZ=	8024-002	EIT=	280+003	YNI=	.400
SL=	.034										
STX=	133380+001	STY=	145607+001	TXV=	925923-002	STZ=	133230+001	STZ=	145477+001	ALPHA=	4.35
EPX=	143282-002	EPY=	225324-002	EXV=	102368-003	EPZ=	160971-002	EPZ=	225635-002	ALEPS=	-3.47
ELEM	423	IAU=	2148-001	EPG=	6367-003	STZ=	8235-002	EIT=	292+003	YNI=	.400
SL=	.014										
STX=	139904+001	STY=	117496+001	TXV=	172882-001	STZ=	116552+001	STZ=	120848+001	ALPHA=	62.05
EPX=	180966-002	EPY=	223117-002	EXV=	677136-003	EPZ=	119209-002	EPZ=	233874-002	ALEPS=	-24.27
ELEM	424	IAU=	1012-000	EPG=	1486-002	STZ=	1118-001	EIT=	265+003	YNI=	.400
SL=	.060										
STX=	136613+001	STY=	135160+001	TXV=	101154+000	STZ=	124768+001	STZ=	145006+001	ALPHA=	-44.23
EPX=	162008-002	EPY=	172838-002	EXV=	142269-002	EPZ=	956258-003	EPZ=	245221-002	ALEPS=	-41.94
ELEM	425	IAU=	1133+000	EPG=	7459-002	STZ=	1244-001	EIT=	257+003	YNI=	.400
SL=	.074										
STX=	133914+001	STY=	117073+001	TXV=	758538+001	STZ=	114160+001	STZ=	136826+001	ALPHA=	111.01
EPX=	198252-002	EPY=	110127-002	EXV=	116262-002	EPZ=	812424-003	EPZ=	227117-002	ALEPS=	26.62
ELEM	426	IAU=	1272+000	EPG=	1324-002	STZ=	6339-002	EIT=	256+003	YNI=	.400
SL=	.077										
STX=	146615+001	STY=	124933+001	TXV=	665462-001	STZ=	123054+001	STZ=	148495+001	ALPHA=	105.77
EPX=	209052-002	EPY=	118769-002	EXV=	968009-003	EPZ=	977262-003	EPZ=	230093-002	ALEPS=	-23.50
ELEM	427	IAU=	2658+000	EPG=	4559-002	STZ=	1495-001	EIT=	175+003	YNI=	.400
SL=	.236										
STX=	128465+001	STY=	921928+000	TXV=	194239+000	STZ=	872618+000	STZ=	136923+001	ALPHA=	113.98
EPX=	348171-002	EPY=	259181-002	EXV=	447159-002	EPZ=	756917-003	EPZ=	531610-002	ALEPS=	39.38
ELEM	428	IAU=	2257+000	EPG=	4053-002	STZ=	1663-001	EIT=	232+003	YNI=	.400
SL=	.121										
STX=	151467-001	STY=	170971+001	TXV=	203629+000	STZ=	338654+001	STZ=	183803+001	ALPHA=	-32.22
EPX=	143254-002	EPY=	363647-002	EXV=	340411-002	EPZ=	510722-003	EPZ=	456328-002	ALEPS=	-28.57
ELEM	429	IAU=	6946+000	EPG=	1124-001	STZ=	2892-001	EIT=	126+003	YNI=	.400
SL=	.352										
STX=	201103+001	STY=	231063+001	TXV=	678098+000	STZ=	146638+001	STZ=	285527+001	ALPHA=	-38.77
EPX=	248167-002	EPY=	526068-002	EXV=	108936-001	EPZ=	175007-002	EPZ=	969242-002	ALEPS=	-37.84
ELEM	430	IAU=	5186+000	EPG=	8614-002	STZ=	1089-001	EIT=	116+003	YNI=	.400
SL=	.385										
STX=	131066+001	STY=	173008+001	TXV=	474220+000	STZ=	100174+001	STZ=	203898+001	ALPHA=	-33.07
EPX=	121769-002	EPY=	617467-002	EXV=	808999-002	EPZ=	161048-002	EPZ=	700395-002	ALEPS=	-34.96
ELEM	431	IAU=	6194+000	EPG=	9812-002	STZ=	2491-001	EIT=	140+003	YNI=	.400
SL=	.317										
STX=	190102+001	STY=	221647+001	TXV=	595968+000	STZ=	145035+001	STZ=	268914+001	ALPHA=	-37.10
EPX=	124669-002	EPY=	107694-002	EXV=	976272-002	EPZ=	374888-002	EPZ=	266460-002	ALEPS=	-22.52
ELEM	432	IAU=	1246+000	EPG=	1076-002	STZ=	3748-002	EIT=	266+003	YNI=	.400
SL=	.025										

STX=	-17934+001	STY=	-239206+001	TX=	-552111+000	STI=	-154002+001	STZ=	-265561+001	ALPHA=	-32.64	
EPX=	-16256-002	EPY=	-449676-002	EX=	-966556-002	EP1=	-198034-002	EP2=	-810266-002	ALEPS=	-36.73	
ELEM	434	TAU=	5738+000	EPG=	9503-002	STI=	-2032-001	EP1=	EEI=	157+003	YNI=	400
SL=	.276											
STX=	-185211+001	STY=	-238250+001	TX=	-509063+000	STI=	-154382+001	STZ=	-269149+001	ALPHA=	-31.26	
EPX=	-161106-002	EPY=	-387522-002	EX=	-922949-002	EP1=	-200842-002	EP2=	-769470-002	ALEPS=	-38.11	
ELEM	435	TAU=	6670+000	EPG=	1164-001	STI=	-3017-001	EP1=	EEI=	735+003	YNI=	400
SL=	.328											
STX=	-198709+001	STY=	-269624+001	TX=	-026300+000	STI=	-151001+001	STZ=	-284392+001	ALPHA=	-34.95	
EPX=	-232207-002	EPY=	-397522-002	EX=	-115374-001	EP1=	-272210-002	EP2=	-891940-002	ALEPS=	-41.17	
ELEM	436	TAU=	7825+000	EPG=	1362-001	STI=	-2361-001	EP1=	EEI=	126+003	YNI=	400
SL=	.353											
STX=	-197605+001	STY=	-291894+001	TX=	-631018+000	STI=	-166029+001	STZ=	-323529+001	ALPHA=	-26.63	
EPX=	-630922-001	EPY=	-685639-002	EX=	-122200-001	EP1=	-316874-002	EP2=	-104561-001	ALEPS=	-31.88	
ELEM	437	TAU=	8363+000	EPG=	1462-001	STI=	-2282-001	EP1=	EEI=	113+003	YNI=	400
SL=	.387											
STX=	-1948109+001	STY=	-291716+001	TX=	-683786+000	STI=	-160481+001	STZ=	-327344+001	ALPHA=	-27.52	
EPX=	-046708-003	EPY=	-665639-002	EX=	-133260-001	EP1=	-365761-002	EP2=	-109608-001	ALEPS=	-32.86	
ELEM	438	TAU=	8351+000	EPG=	1534-001	STI=	-1272-001	EP1=	EEI=	118+003	YNI=	400
SL=	.372											
STX=	-193203+001	STY=	-307934+001	TX=	-606924+000	STI=	-167054+001	STZ=	-334081+001	ALPHA=	-23.31	
EPX=	-964329-004	EPY=	-780025-002	EX=	-132630-001	EP1=	-372071-002	EP2=	-116174-001	ALEPS=	-29.92	
ELEM	439	TAU=	8128+000	EPG=	1449-001	STI=	-3360-001	EP1=	EEI=	127+003	YNI=	400
SL=	.349											
STX=	-199866+001	STY=	-309582+001	TX=	-597936+000	STI=	-273241+001	STZ=	-335805+001	ALPHA=	-23.48	
EPX=	-267976-003	EPY=	-780025-002	EX=	-123330-001	EP1=	-321284-002	EP2=	-112811-001	ALEPS=	-29.34	
ELEM	440	TAU=	8208+000	EPG=	1620-001	STI=	-2362-001	EP1=	EEI=	115+003	YNI=	400
SL=	.182											
STX=	-203905+001	STY=	-344663+001	TX=	-609097+000	STI=	-181207+001	STZ=	-367360+001	ALPHA=	-20.44	
EPX=	-946380+001	EPY=	-071310-002	EX=	-129294-001	EP1=	-399508-002	EP2=	-327618-001	ALEPS=	-25.25	
ELEM	441	TAU=	9425+000	EPG=	1679-001	STI=	-2418-001	EP1=	EEI=	108+003	YNI=	400
SL=	.399											
STX=	-198616+001	STY=	-361633+001	TX=	-614214+000	STI=	-173655+001	STZ=	-364164+001	ALPHA=	-20.33	
EPX=	-114622-002	EPY=	-971310-002	EX=	-128040-001	EP1=	-411100-002	EP2=	-126779-001	ALEPS=	-24.85	
ELEM	442	TAU=	9212+000	EPG=	1820-001	STI=	-2989-001	EP1=	EEI=	109+003	YNI=	400
SL=	.397											
STX=	-199308+001	STY=	-358601+001	TX=	-556274+000	STI=	-181859+001	STZ=	-376109+001	ALPHA=	-17.47	
EPX=	-172818-002	EPY=	-113320-001	EX=	-128803-001	EP1=	-439800-002	EP2=	-138048-001	ALEPS=	-22.52	
ELEM	443	TAU=	9386+000	EPG=	1712-001	STI=	-2727-001	EP1=	EEI=	114+003	YNI=	400
SL=	.383											
STX=	-194873+001	STY=	-357383+001	TX=	-562749+000	STI=	-182272+001	STZ=	-369986+001	ALPHA=	-15.02	
EPX=	-203216-002	EPY=	-111370-001	EX=	-109376-001	EP1=	-400715-002	EP2=	-131119-001	ALEPS=	-19.86	
ELEM	444	TAU=	9608+000	EPG=	1691-001	STI=	-2365-001	EP1=	EEI=	117+003	YNI=	400
SL=	.375											
STX=	-20441+001	STY=	-368416+001	TX=	-500929+000	STI=	-190349+001	STZ=	-382508+001	ALPHA=	-15.71	
EPX=	-124498-002	EPY=	-1092721-001	EX=	-109189-001	EP1=	-392255-002	EP2=	-329698-001	ALEPS=	-20.10	
ELEM	445	TAU=	9823+000	EPG=	1720-001	STI=	-2340-001	EP1=	EEI=	109+003	YNI=	400
SL=	.398											
STX=	-198795+001	STY=	-345204+001	TX=	-523103+000	STI=	-183679+001	STZ=	-380147+001	ALPHA=	-16.09	
EPX=	-215050-002	EPY=	-109721-001	EX=	-111120-001	EP1=	-418692-002	EP2=	-130085-001	ALEPS=	-20.13	
ELEM	446	TAU=	1047+001	EPG=	1944-001	STI=	-3287-001	EP1=	EEI=	104+003	YNI=	400
SL=	.410											
STX=	-200958+001	STY=	-388310+001	TX=	-468510+000	STI=	-189896+001	STZ=	-399378+001	ALPHA=	-13.29	
EPX=	-303974-002	EPY=	-129273-001	EX=	-110816-001	EP1=	-477422-002	EP2=	-146616-001	ALEPS=	-17.38	
ELEM	447	TAU=	1022+001	EPG=	1915-001	STI=	-2677-001	EP1=	EEI=	100+003	YNI=	400
SL=	.421											
STX=	-188823+001	STY=	-376221+001	TX=	-408311+000	STI=	-180341+001	STZ=	-384733+001	ALPHA=	-11.78	
EPX=	-333831-002	EPY=	-129273-001	EX=	-101144-001	EP1=	-478244-002	EP2=	-143716-001	ALEPS=	-15.94	
ELEM	448	TAU=	1054+001	EPG=	1889-001	STI=	-6215-001	EP1=	EEI=	108+003	YNI=	400
SL=	.401											
STX=	-204806+001	STY=	-397072+001	TX=	-432720+000	STI=	-195514+001	STZ=	-406362+001	ALPHA=	-12.12	
EPX=	-317471-002	EPY=	-129442-001	EX=	-985765-002	EP1=	-456219-002	EP2=	-143319-001	ALEPS=	-15.72	
ELEM	449	TAU=	1058+001	EPG=	1683-001	STI=	-3172-001	EP1=	EEI=	100+003	YNI=	400
SL=	.421											
STX=	-194927+001	STY=	-389684+001	TX=	-413618+000	STI=	-186574+001	STZ=	-398102+001	ALPHA=	-11.51	
EPX=	-352008-002	EPY=	-129442-001	EX=	-912927-002	EP1=	-470147-002	EP2=	-141250-001	ALEPS=	-14.50	
ELEM	450	TAU=	1178+001	EPG=	2181-001	STI=	-5497-001	EP1=	EEI=	856+002	YNI=	400
SL=	.466											
STX=	-192198+001	STY=	-419308+001	TX=	-312674+000	STI=	-187972+001	STZ=	-423534+001	ALPHA=	-7.70	
EPX=	-544006-002	EPY=	-107215-001	EX=	-876728-002	EP1=	-627641-002	EP2=	-175571-001	ALEPS=	-10.79	
ELEM	451	TAU=	1135+001	EPG=	2356-001	STI=	-4393-001	EP1=	EEI=	792+002	YNI=	400
SL=	.486											
STX=	-174989+001	STY=	-399313+001	TX=	-175672+000	STI=	-173622+001	STZ=	-400680+001	ALPHA=	-4.55	
EPX=	-599244-002	EPY=	-167215-001	EX=	-624298-002	EP1=	-641537-002	EP2=	-171426-001	ALEPS=	-7.68	
ELEM	452	TAU=	1042+001	EPG=	1800-001	STI=	-5661-001	EP1=	EEI=	117+003	YNI=	400
SL=	.374											
STX=	-208408+001	STY=	-413840+001	TX=	-173957+000	STI=	-206944+001	STZ=	-415303+001	ALPHA=	-4.81	
EPX=	-362833-002	EPY=	-136634-001	EX=	-480283-002	EP1=	-600560-002	EP2=	-139905-001	ALEPS=	-7.75	
ELEM	453	TAU=	1062+001	EPG=	1758-001	STI=	-5216-001	EP1=	EEI=	123+003	YNI=	400
SL=	.359											

STX=	-221440+001	STY=	-430527+001	IXY=	-187203+000	STI=	-219783+001	STZ=	-432189+001	ALPHA=	-5.08
EPX=	341248-002	EPY=	-136634-001	EXY=	-415998-002	EP1=	366268-002	EP2=	-139131-001	ALEPS=	-6.85
ELEM	654	TAU=	1000+001	EPG=	2337-001	SII=	4730-001	EIT=	387+002	YNI=	.60
SL=	.641										
STX=	-117058+001	STY=	-314937+001	IXY=	143205+000	STI=	-115981+001	STZ=	-315974+001	ALPHA=	4.13
EPX=	769602-002	EPY=	-156633-001	EXY=	-4817281-003	EP1=	270173-002	EP2=	-156704+001	ALEPS=	-84
ELEM	455	TAU=	1279+001	EPG=	1921-001	SII=	-2103+000	EIT=	742+003	YNI=	.40
SL=	.311										
STX=	-307388+001	STY=	-560346+001	IXY=	-193057+000	STI=	-105923+001	STZ=	-561811+001	ALPHA=	-4.14
EPX=	323658-002	EPY=	-156653-001	EXY=	-342596-002	EP1=	338858-002	EP2=	-158193-001	ALEPS=	-5.14
ELEM	454	TAU=	1188+001	EPG=	2143-001	SII=	-1459+000	EIT=	1065+003	YNI=	.40
SL=	.407										
STX=	-255268+001	STY=	-529722+001	IXY=	-207150+000	STI=	-253711+001	STZ=	-531279+001	ALPHA=	-4.30
EPX=	546573-002	EPY=	-175129-001	EXY=	-455932-002	EP1=	508968-002	EP2=	-177419-001	ALEPS=	-5.61
ELEM	457	TAU=	1379+001	EPG=	2305-001	SII=	-1422+000	EIT=	109+003	YNI=	.40
SL=	.397										
STX=	-258672+001	STY=	-532741+001	IXY=	-100669+000	STI=	-258109+001	STZ=	-534109+001	ALPHA=	-2.09
EPX=	538636-002	EPY=	-175179-001	EXY=	-256365-002	EP1=	545788-002	EP2=	-175894-001	ALEPS=	-5.19
ELEM	458	TAU=	1380+001	EPG=	2400-001	SII=	-1641+000	EIT=	109+003	YNI=	.40
SL=	.398										
STX=	-258224+001	STY=	-532794+001	IXY=	-139914+000	STI=	-257513+001	STZ=	-533505+001	ALPHA=	-2.91
EPX=	540211-002	EPY=	-183658-001	EXY=	-331634-002	EP1=	551724-002	EP2=	-184809-001	ALEPS=	-3.97
ELEM	459	TAU=	1384+001	EPG=	2402-001	SII=	-1079+000	EIT=	103+003	YNI=	.40
SL=	.413										
STX=	-249018+001	STY=	-525602+001	IXY=	-580832-001	STI=	-248894+001	STZ=	-525729+001	ALPHA=	-1.20
EPX=	558735-002	EPY=	-183658-001	EXY=	-181380-002	EP1=	562164-002	EP2=	-184001-001	ALEPS=	-2.17
ELEM	460	TAU=	1345+001	EPG=	2306-001	SII=	-1542+000	EIT=	112+003	YNI=	.40
SL=	.389										
STX=	-256943+001	STY=	-525833+001	IXY=	-163739-001	STI=	-256933+001	STZ=	-525863+001	ALPHA=	-3.35
EPX=	510560-002	EPY=	-185227-001	EXY=	-116294-002	EP1=	511987-002	EP2=	-185621-001	ALEPS=	-1.52
ELEM	461	TAU=	1360+001	EPG=	2378-001	SII=	-1475+000	EIT=	111+003	YNI=	.40
SL=	.391										
STX=	-258920+001	STY=	-529943+001	IXY=	-118193+000	STI=	-258405+001	STZ=	-530453+001	ALPHA=	2.49
EPX=	514889-002	EPY=	-185227-001	EXY=	-216970-002	EP1=	519849-002	EP2=	-185773-001	ALEPS=	2.62
ELEM	462	TAU=	1410+001	EPG=	2632-001	SII=	-1431+000	EIT=	883+002	YNI=	.40
SL=	.458										
STX=	-229973+001	STY=	-510363+001	IXY=	-152785+000	STI=	-229143+001	STZ=	-511171+001	ALPHA=	3.11
EPX=	660923-002	EPY=	-146400-001	EXY=	-251820-002	EP1=	666997-002	EP2=	-1921002-001	ALEPS=	2.74
ELEM	463	TAU=	1468+001	EPG=	2669-001	SII=	-1401+000	EIT=	882+002	YNI=	.40
SL=	.458										
STX=	-239773+001	STY=	-533089+001	IXY=	-200679+000	STI=	-233839+001	STZ=	-532008+001	ALPHA=	3.93
EPX=	676784-002	EPY=	-194400-001	EXY=	-386430-002	EP1=	690874-002	EP2=	-197809-001	ALEPS=	4.17
ELEM	464	TAU=	1443+001	EPG=	2472-001	SII=	-1322+000	EIT=	102+003	YNI=	.40
SL=	.418										
STX=	-258671+001	STY=	-544190+001	IXY=	-233567+000	STI=	-256993+001	STZ=	-546089+001	ALPHA=	6.65
EPX=	588706-002	EPY=	-184838-001	EXY=	-442000-002	EP1=	608583-002	EP2=	-186845-001	ALEPS=	5.15
ELEM	465	TAU=	1448+001	EPG=	2491-001	SII=	-1405+000	EIT=	102+003	YNI=	.40
SL=	.417										
STX=	-261483+001	STY=	-544401+001	IXY=	-511323+000	STI=	-258097+001	STZ=	-547287+001	ALPHA=	6.21
EPX=	575346-002	EPY=	-184838-001	EXY=	-575917-002	EP1=	609084-002	EP2=	-188232-001	ALEPS=	6.68
ELEM	466	TAU=	1348+001	EPG=	2448-001	SII=	-1109+000	EIT=	889+002	YNI=	.40
SL=	.456										
STX=	-224406+001	STY=	-465090+001	IXY=	-362956+000	STI=	-219969+001	STZ=	-489526+001	ALPHA=	7.37
EPX=	592082-002	EPY=	-176705-001	EXY=	-655390-002	EP1=	636764-002	EP2=	-181172-001	ALEPS=	7.76
ELEM	467	TAU=	1353+001	EPG=	2450-001	SII=	-1333+000	EIT=	943+002	YNI=	.40
SL=	.439										
STX=	-233553+001	STY=	-494998+001	IXY=	-349830+000	STI=	-228953+001	STZ=	-499598+001	ALPHA=	7.49
EPX=	566821-002	EPY=	-176705-001	EXY=	-743815-002	EP1=	624659-002	EP2=	-182488-001	ALEPS=	8.84
ELEM	468	TAU=	1302+001	EPG=	2213-001	SII=	-1061+000	EIT=	108+003	YNI=	.40
SL=	.400										
STX=	-250895+001	STY=	-493919+001	IXY=	-468978+000	STI=	-242159+001	STZ=	-502655+001	ALPHA=	10.55
EPX=	429134-002	EPY=	-159892-001	EXY=	-935086-002	EP1=	531769-002	EP2=	-170152-001	ALEPS=	12.38
ELEM	469	TAU=	1282+001	EPG=	2221-001	SII=	-1334+000	EIT=	112+003	YNI=	.40
SL=	.390										
STX=	-254432+001	STY=	-490630+001	IXY=	-498118+000	STI=	-244357+001	STZ=	-500705+001	ALPHA=	11.43
EPX=	397630-002	EPY=	-159892-001	EXY=	-974072-002	EP1=	510101-002	EP2=	-171139-001	ALEPS=	13.00
ELEM	470	TAU=	1146+001	EPG=	2114-001	SII=	-6946+001	EIT=	103+003	YNI=	.40
SL=	.420										
STX=	-213358+001	STY=	-421215+001	IXY=	-685051+000	STI=	-202794+001	STZ=	-431987+001	ALPHA=	12.52
EPX=	383191-002	EPY=	-147638-001	EXY=	-100646-001	EP1=	510639-002	EP2=	-7160383-001	ALEPS=	14.21
ELEM	471	TAU=	1116+001	EPG=	2095-001	SII=	-1053+000	EIT=	110+003	YNI=	.40
SL=	.394										
STX=	-231090+001	STY=	-423203+001	IXY=	-472621+000	STI=	-210587+001	STZ=	-433766+001	ALPHA=	12.53

STX=	-23370+001	STY=	-51699+001	TX=	633749+000	STI=	-215050+001	STZ=	-655579+001	ALPHA=	16.91
EPX=	-222243-002	EPY=	-128038-001	EXY=	126370-001	EP1=	452614-002	EP2=	-151076-001	ALEPS=	20.03
ELEM	474	TAU=	95844+000	EPG=	1789-001	STJ=	-5102-001	EP3=	108+003	YNI=	400
STX=	-196752+001	STY=	-350899+001	TX=	567600+000	STI=	-178089+001	STZ=	-369364+001	ALPHA=	18.20
EPX=	-173536-002	EPY=	-109981-001	EXY=	125658-001	EP1=	431345+002	EP2=	-135762-001	ALEPS=	22.31
ELEM	475	TAU=	914+000	EPG=	1771-001	STJ=	-5128-001	EP3=	118+003	YNI=	400
STX=	-200601+001	STY=	-347289+001	TX=	543058+000	STI=	-182788+001	STZ=	-365662+001	ALPHA=	18.22
EPX=	-136800-002	EPY=	-109981-001	EXY=	126740-001	EP1=	403865+002	EP2=	-136687-001	ALEPS=	22.85
ELEM	476	TAU=	9003+000	EPG=	1639+001	STJ=	4170+001	EP3=	117+003	YNI=	400
STX=	-204759+001	STY=	-332959+001	TX=	632115+000	STI=	-178834+001	STZ=	-358884+001	ALPHA=	22.30
EPX=	-47983-003	EPY=	-889338+002	EXY=	135642-001	EP1=	396990+002	EP2=	-1244213+001	ALEPS=	27.62
ELEM	477	TAU=	8988+000	EPG=	1682-001	STJ=	-3644-001	EP3=	113+003	YNI=	400
STX=	-202357+001	STY=	-323856+001	TX=	624222+000	STI=	-123226+001	STZ=	-352887+001	ALPHA=	23.74
EPX=	-208600-003	EPY=	-889938-002	EXY=	141358-001	EP1=	406258+002	EP2=	-127534-001	ALEPS=	28.60
ELEM	478	TAU=	7500+000	EPG=	1496+001	STJ=	4059+001	EP3=	116+003	YNI=	400
STX=	-176225+001	STY=	-268208+001	TX=	592396+000	STI=	-147219+001	STZ=	-297214+001	ALPHA=	26.09
EPX=	-578806+003	EPY=	-732024+002	EXY=	133503+001	EP1=	352822+002	EP2=	-114228-001	ALEPS=	31.60
ELEM	479	TAU=	6576+000	EPG=	1523-001	STJ=	-3563-001	EP3=	112+003	YNI=	400
STX=	-152336+001	STY=	-231392+001	TX=	525537+000	STI=	-126105+001	STZ=	-257428+001	ALPHA=	26.52
EPX=	-781672-003	EPY=	-752074-002	EXY=	137566-001	EP1=	356465+002	EP2=	-116670-001	ALEPS=	32.29
ELEM	480	TAU=	2031+000	EPG=	1262-001	STJ=	3170+001	EP3=	124+003	YNI=	400
STX=	-188287+001	STY=	-248652+001	TX=	635543+000	STI=	-148095+001	STZ=	-288684+001	ALPHA=	32.34
EPX=	-169466-002	EPY=	-690322-002	EXY=	125253-001	EP1=	303362-002	EP2=	-963180-002	ALEPS=	37.66
ELEM	481	TAU=	8869+000	EPG=	1297-001	STJ=	-2686-001	EP3=	109+003	YNI=	400
STX=	-177959+001	STY=	-212278+001	TX=	658158+000	STI=	-128929+001	STZ=	-266308+001	ALPHA=	36.68
EPX=	-255498-002	EPY=	-354840-002	EXY=	129472-001	EP1=	353411+002	EP2=	-943739-002	ALEPS=	43.25
ELEM	482	TAU=	6212+000	EPG=	1193+001	STJ=	2118+001	EP3=	104+003	YNI=	400
STX=	-156121+001	STY=	-193351+001	TX=	594751+000	STI=	-112416+001	STZ=	-237056+001	ALPHA=	36.31
EPX=	-226634+002	EPY=	-284432+002	EXY=	119339+001	EP1=	338635+002	EP2=	-854521-002	ALEPS=	43.44
ELEM	483	TAU=	5731+000	EPG=	1112-001	STJ=	-2607-001	EP3=	923+002	YNI=	400
STX=	-352480+001	STY=	-133513+001	TX=	573115+000	STI=	-956823+000	STZ=	-2110310+001	ALPHA=	44.74
EPX=	-336428-002	EPY=	-816660-002	EXY=	110161-001	EP1=	297171-002	EP2=	815258-002	ALEPS=	41.00
ELEM	484	TAU=	5308+000	EPG=	9528+002	STJ=	2363+001	EP3=	125+003	YNI=	400
STX=	-170261+001	STY=	-164297+001	TX=	538131+000	STI=	-113391+001	STZ=	-221185+001	ALPHA=	46.59
EPX=	-331117-002	EPY=	-181660-002	EXY=	946046+002	EP1=	222422+002	EP2=	-735318-002	ALEPS=	50.51
ELEM	485	TAU=	5180+000	EPG=	9491-002	STJ=	-2489-001	EP3=	105+003	YNI=	400
STX=	-351373+001	STY=	-140918+001	TX=	515266+000	STI=	-944445+000	STZ=	-1988047+001	ALPHA=	47.85
EPX=	-341311-002	EPY=	-649702-003	EXY=	907951+002	EP1=	271395+002	EP2=	-677677-002	ALEPS=	56.54
ELEM	486	TAU=	4970+000	EPG=	8808-002	STJ=	-2296+001	EP3=	114+003	YNI=	400
STX=	-352262+001	STY=	-740406+001	TX=	493428+000	STI=	-968364+000	STZ=	-196032+001	ALPHA=	48.43
EPX=	-344384-002	EPY=	-649702-003	EXY=	844792+002	EP1=	240223+002	EP2=	-649572-002	ALEPS=	35.85
ELEM	487	TAU=	4659+000	EPG=	1079-001	STJ=	-2198-001	EP3=	706+002	YNI=	400
STX=	-143720+001	STY=	-840135+000	TX=	357672+000	STI=	-627296+000	STZ=	-160454+001	ALPHA=	64.82
EPX=	-627933-002	EPY=	-248887-002	EXY=	628737-002	EP1=	369952+002	EP2=	-728977-002	ALEPS=	17.82
ELEM	488	TAU=	4108+000	EPG=	9633+002	STJ=	-1672+001	EP3=	668+002	YNI=	400
STX=	-135667+001	STY=	-718538+000	TX=	289724+000	STI=	-606547+000	STZ=	-146806+001	ALPHA=	68.87
EPX=	-582425-002	EPY=	-248887-002	EXY=	487133+002	EP1=	314993+002	EP2=	-648533+002	ALEPS=	15.18
ELEM	489	TAU=	3980+000	EPG=	7080-002	STJ=	-1678-001	EP3=	963+002	YNI=	400
STX=	-134241+001	STY=	-818889+000	TX=	299788+000	STI=	-622665+000	STZ=	-147863+001	ALPHA=	65.46
EPX=	-421834-002	EPY=	-121190-002	EXY=	654240+002	EP1=	203658+002	EP2=	-504303+002	ALEPS=	19.96
ELEM	490	TAU=	3522+000	EPG=	7346+002	STJ=	-1844+001	EP3=	104+003	YNI=	400
STX=	-134573+001	STY=	-641237+000	TX=	290181+001	STI=	-640042+000	STZ=	-134642+001	ALPHA=	92.36
EPX=	-552869-002	EPY=	-121120+002	EXY=	238051+002	EP1=	141597+002	EP2=	-473014+002	ALEPS=	9.73
ELEM	491	TAU=	1025+000	EPG=	5134+002	STJ=	-1173-001	EP3=	962+002	YNI=	400
STX=	-112295+001	STY=	-519052+000	TX=	182496+001	STI=	-518506+000	STZ=	-112350+001	ALPHA=	88.27
EPX=	-356837-002	EPY=	-151787-002	EXY=	695932+003	EP1=	154157+002	EP2=	-359206+002	ALEPS=	3.90
ELEM	492	TAU=	2381+000	EPG=	6258+002	STJ=	1160+001	EP3=	102+003	YNI=	400
STX=	-898856+000	STY=	-623819+000	TX=	161477-001	STI=	-623271+000	STZ=	-899405+000	ALPHA=	91.94
EPX=	-298656+002	EPY=	-126125+002	EXY=	286938+003	EP1=	126609+002	EP2=	-299180+002	ALEPS=	1.93
ELEM	493	TAU=	2039+000	EPG=	3381+002	STJ=	-1378-001	EP3=	186+003	YNI=	400

STX=	-112019+001	SIY=	-716331+000	IXY=	283712-001	STI=	-714347+000	STZ=	-112208+001	ALPHA=	86.00
EPX=	-270555-002	EPY=	610954-003	EXY=	655423-003	EP1=	643067-003	EP2=	-273766-002	ALEPS=	-5.59
ELEM	494	IAU=	1844+000	EPG=	2981-002	STI=	-9274-002	EIT=	.181+003	YNT=	.400
SL=	.223										
STX=	-978476+000	SIY=	-627070+000	IXY=	-52587-001	STI=	-615369+000	STZ=	-984117+000	ALPHA=	97.10
EPX=	-231864-002	EPY=	610954-003	EXY=	-548072-003	EP1=	636368-003	EP2=	-234425-002	ALEPS=	5.30
ELEM	495	IAU=	1399+000	EPG=	2020-002	STI=	-1040-001	EIT=	.200+003	YNT=	.400
SL=	.183										
STX=	-847971+000	SIY=	-568215+000	IXY=	509265-003	STI=	-568215+000	STZ=	-847972+000	ALPHA=	89.92
EPX=	-174556-002	EPY=	277755-003	EXY=	866763-004	EP1=	273885-003	EP2=	-174629-002	ALEPS=	-1.23
ELEM	496	IAU=	1293+000	EPG=	1860-002	STI=	-6450-002	EIT=	.128+003	YNT=	.400
SL=	.187										
STX=	-773011+000	SIY=	-514256+000	IXY=	548947-002	STI=	-514339+000	STZ=	-773128+000	ALPHA=	88.79
EPX=	-158021-002	EPY=	272253-003	EXY=	478342-004	EP1=	273042-003	EP2=	-158724-002	ALEPS=	-7.76
ELEM	497	IAU=	1691+000	EPG=	5142-002	STI=	-3586-002	EIT=	.299+002	YNT=	.400
SL=	.684										
STX=	-485979+000	SIY=	-219256+000	IXY=	-104086+000	STI=	-183714+000	STZ=	-521821+000	ALPHA=	109.00
EPX=	-298698-002	EPY=	163634-002	EXY=	-225149-002	EP1=	189588-002	EP2=	-324650-002	ALEPS=	12.98
ELEM	498	IAU=	7201+001	EPG=	2070-002	STI=	-1704-002	EIT=	.257+002	YNT=	.400
SL=	.707										
STX=	-208173+000	SIY=	-872537-001	IXY=	-391123-001	STI=	-757054-001	STZ=	-219721+000	ALPHA=	106.45
EPX=	-129220-002	EPY=	233364-003	EXY=	-543488-003	EP1=	759531-003	EP2=	-131907-002	ALEPS=	6.44
ELEM	499	IAU=	1043+000	EPG=	2230-002	STI=	-1903-002	EIT=	.463+002	YNT=	.400
SL=	.607										
STX=	-331894+000	SIY=	-132722+000	IXY=	-316222-001	STI=	-127881+000	STZ=	-336808+000	ALPHA=	98.82
EPX=	-142950-002	EPY=	733364-003	EXY=	-568389-003	EP1=	770081-003	EP2=	-146622-002	ALEPS=	7.36
ELEM	500	IAU=	1222+000	EPG=	2570-002	STI=	-6702-002	EIT=	.869+002	YNT=	.400
SL=	.662										
STX=	-44151+000	SIY=	-196848+000	IXY=	-359934-002	STI=	-196795+000	STZ=	-441204+000	ALPHA=	90.84
EPX=	-174536-002	EPY=	823531-003	EXY=	683690-004	EP1=	823981-003	EP2=	-174579-002	ALEPS=	-7.4
ELEM	501	IAU=	1043+000	EPG=	2278-002	STI=	-1831-002	EIT=	.601+002	YNT=	.400
SL=	.553										
STX=	-348712+000	SIY=	-140339+000	IXY=	-424854-002	STI=	-140272+000	STZ=	-348729+000	ALPHA=	91.17
EPX=	-145210-002	EPY=	823553-003	EXY=	-939456-004	EP1=	824521-003	EP2=	-145583-002	ALEPS=	1.18
ELEM	502	IAU=	1274+000	EPG=	1994+002	STI=	-7349-002	EIT=	.162+003	YNT=	.400
SL=	.255										
STX=	-624709+000	SIY=	-373931+000	IXY=	227054-001	STI=	-371891+000	STZ=	-626748+000	ALPHA=	84.87
EPX=	-153502-002	EPY=	462212-003	EXY=	280007-003	EP1=	450722-003	EP2=	-153553-002	ALEPS=	-2.75
ELEM	503	IAU=	1232+000	EPG=	1931-002	STI=	-5535-002	EIT=	.164+003	YNT=	.400
SL=	.260										
STX=	-599010+000	SIY=	-352864+000	IXY=	-454355-002	STI=	-352760+000	STZ=	-599093+000	ALPHA=	91.06
EPX=	-146811-002	EPY=	442212-003	EXY=	-111473-003	EP1=	443834-003	EP2=	-146873-002	ALEPS=	1.66
ELEM	504	IAU=	1159+000	EPG=	1946+002	STI=	-3865+002	EIT=	.106+003	YNT=	.400
SL=	.407										
STX=	-442901+000	SIY=	-212762+000	IXY=	139947-001	STI=	-211914+000	STZ=	-443749+000	ALPHA=	86.53
EPX=	-136566-002	EPY=	575021-003	EXY=	166896-003	EP1=	578609-003	EP2=	-136924-002	ALEPS=	-2.46
ELEM	505	IAU=	1079+000	EPG=	1880-002	STI=	-3139-002	EIT=	.100+003	YNT=	.400
SL=	.421										
STX=	-405868+000	SIY=	-190698+000	IXY=	822561-002	STI=	-190384+000	STZ=	-506182+000	ALPHA=	87.81
EPX=	-130117-002	EPY=	579027-003	EXY=	119048-003	EP1=	576914-003	EP2=	-130306-002	ALEPS=	-1.82
ELEM	506	IAU=	8510+001	EPG=	1112-002	STI=	-6474-002	EIT=	.212+003	YNT=	.400
SL=	.150										
STX=	-588927+000	SIY=	-423168+000	IXY=	192595-001	STI=	-420959+000	STZ=	-591155+000	ALPHA=	83.46
EPX=	-118042-002	EPY=	112499-003	EXY=	192335-003	EP1=	124536-003	EP2=	-118730-002	ALEPS=	-5.21
ELEM	507	IAU=	7619-001	EPG=	1169-002	STI=	-4444-002	EIT=	.217+003	YNT=	.400
SL=	.149										
STX=	-532933+000	SIY=	-380813+000	IXY=	-643388-002	STI=	-380684+000	STZ=	-533062+000	ALPHA=	91.67
EPX=	-105150-002	EPY=	117449-003	EXY=	-192553-004	EP1=	117528-003	EP2=	-105157-002	ALEPS=	.47
ELEM	508	IAU=	8450-001	EPG=	1392-002	STI=	-3461-002	EIT=	.150+003	YNT=	.400
SL=	.293										
STX=	-383006+000	SIY=	-215102+000	IXY=	958316-002	STI=	-214557+000	STZ=	-383551+000	ALPHA=	86.74
EPX=	-103911-002	EPY=	348092-003	EXY=	117250-003	EP1=	350570-003	EP2=	-104139-002	ALEPS=	-2.52
ELEM	509	IAU=	7703-001	EPG=	1293-002	STI=	-2636-002	EIT=	.141+003	YNT=	.400
SL=	.315										
STX=	-336616+000	SIY=	-162952+000	IXY=	136438-001	STI=	-161731+000	STZ=	-335834+000	ALPHA=	84.90
EPX=	-928720-003	EPY=	348097-003	EXY=	203807-003	EP1=	356187-003	EP2=	-936305-003	ALEPS=	-4.54
ELEM	510	IAU=	4110-001	EPG=	6825-003	STI=	-5175-002	EIT=	.258+003	YNT=	.400
SL=	.073										
STX=	-498826+000	SIY=	-424235+000	IXY=	172115-001	STI=	-420454+000	STZ=	-502664+000	ALPHA=	77.62
EPX=	-600025-003	EPY=	-139142-003	EXY=	170608-003	EP1=	-128309-003	EP2=	-810828-003	ALEPS=	-7.24
ELEM	511	IAU=	2975-001	EPG=	5380-003	STI=	-3213-002	EIT=	.266+003	YNT=	.400
SL=	.058										
STX=	-441061+000	SIY=	-383682+000	IXY=	-789814-002	STI=	-382614+000	STZ=	-442109+000	ALPHA=	97.70
EPX=	-100000-001	EPY=	-100000-001	EXY=	-100000-001	EP1=	-100000-001	EP2=	-100000-001	ALEPS=	-100000-001
ELEM	512	IAU=	-100000-001	EPG=	-100000-001	STI=	-100000-001	EIT=	-100000-001	YNT=	-100000-001
SL=	-100000-001										

STX=	-281976+000	STY=	-185612+000	TAX=	-106569+000	STI=	-182448+000	STZ=	-283180+000	ALPHA=	83.77
EPX=	-585237+003	EPY=	-110451+003	EPZ=	-137170+003	EP1=	-117161+003	EP2=	-591948+003	ALEPS=	-5.58
ELEM	514	IAU=	1298+001	EPG=	2337+001	STI=	-3547+002	EP2=	287+003	YNT=	.400
SL=	.022										
STX=	-416131+000	STY=	-414818+000	TAX=	-120634+001	STI=	-403393+000	STZ=	-627556+000	ALPHA=	46.56
EPX=	-511359+000	EPY=	-311654+003	EPZ=	-121452+003	EP1=	-294638+003	EP2=	-328376+003	ALEPS=	-15.65
ELEM	515	IAU=	7458+002	EPG=	1234+003	STI=	-2216+002	EP2=	291+003	YNT=	.400
SL=	.015										
STX=	-376204+000	STY=	-368218+000	TAX=	-369348+002	STI=	-375225+000	STZ=	-390150+000	ALPHA=	14.85
EPX=	-433676+003	EPY=	-311654+003	EPZ=	-185942+004	EP1=	-310950+003	EP2=	-434381+003	ALEPS=	4.33
ELEM	516	IAU=	2451+001	EPG=	6083+001	STI=	-2429+002	EP2=	246+003	YNT=	.400
SL=	.094										
STX=	-262611+000	STY=	-210620+000	TAX=	-522150+002	STI=	-210101+000	STZ=	-263130+000	ALPHA=	84.32
EPX=	-440659+003	EPY=	-361258+004	EPZ=	-555021+004	EP1=	-342304+004	EP2=	-442354+003	ALEPS=	-3.91
ELEM	517	IAU=	1876+001	EPG=	1601+003	STI=	-1925+002	EP2=	257+003	YNT=	.400
SL=	.075										
STX=	-220897+000	STY=	-188053+000	TAX=	-908030+002	STI=	-185712+000	STZ=	-223240+000	ALPHA=	75.52
EPX=	-378534+003	EPY=	-361258+004	EPZ=	-111501+003	EP1=	-272771+004	EP2=	-387382+003	ALEPS=	-9.02
ELEM	518	IAU=	2954+001	EPG=	1749+001	STI=	-2103+002	EP2=	264+003	YNT=	.400
SL=	.063										
STX=	-355904+000	STY=	-403113+000	TAX=	-177649+001	STI=	-349964+000	STZ=	-409051+000	ALPHA=	18.48
EPX=	-512527+003	EPY=	-392527+003	EPZ=	-121831+003	EP1=	-286643+003	EP2=	-61391+003	ALEPS=	39.62
ELEM	519	IAU=	2916+001	EPG=	1385+002	STI=	-3242+002	EP2=	438+002	YNT=	.450
SL=	.075										
STX=	-693423+000	STY=	-650919+000	TAX=	-188396+001	STI=	-644014+000	STZ=	-702327+000	ALPHA=	110.13
EPX=	-322805+002	EPY=	-307033+002	EPZ=	-137604+002	EP1=	-243667+002	EP2=	-384171+002	ALEPS=	41.73
ELEM	520	IAU=	4984+001	EPG=	2042+002	STI=	-6710+002	EP2=	419+002	YNT=	.450
SL=	.122										
STX=	-803593+000	STY=	-715840+000	TAX=	-236799+001	STI=	-709858+000	STZ=	-809575+000	ALPHA=	104.18
EPX=	-419791+002	EPY=	-277148+002	EPZ=	-168883+002	EP1=	-245374+002	EP2=	-451563+002	ALEPS=	23.11
ELEM	521	IAU=	9669+001	EPG=	7805+002	STI=	-1276+002	EP2=	370+002	YNT=	.450
SL=	.151										
STX=	-675804+000	STY=	-712250+000	TAX=	-949622+001	STI=	-592368+000	STZ=	-790247+000	ALPHA=	39.58
EPX=	-171762+002	EPY=	-501347+002	EPZ=	-707527+002	EP1=	-537085+003	EP2=	-726817+002	ALEPS=	-32.51
ELEM	522	IAU=	1248+000	EPG=	8881+002	STI=	-6098+002	EP2=	328+002	YNT=	.450
SL=	.199										
STX=	-707064+000	STY=	-657750+000	TAX=	-122377+000	STI=	-557567+000	STZ=	-807247+000	ALPHA=	129.30
EPX=	-335853+002	EPY=	-338692+002	EPZ=	-868163+002	EP1=	-868960+003	EP2=	-781439+002	ALEPS=	44.43
ELEM	523	IAU=	1592+000	EPG=	9992+002	STI=	-2356+001	EP2=	413+002	YNT=	.450
SL=	.211										
STX=	-123343+001	STY=	-107184+001	TAX=	-130243+000	STI=	-100350+000	STZ=	-132192+001	ALPHA=	117.60
EPX=	-643165+002	EPY=	-305899+002	EPZ=	-921109+002	EP1=	-729290+006	EP2=	-999136+002	ALEPS=	33.60
ELEM	524	IAU=	1565+000	EPG=	1234+001	STI=	-6408+002	EP2=	340+002	YNT=	.450
SL=	.233										
STX=	-916124+000	STY=	-814563+000	TAX=	-148076+000	STI=	-708802+000	STZ=	-102188+001	ALPHA=	125.54
EPX=	-514129+002	EPY=	-274074+002	EPZ=	-121088+001	EP1=	-223122+002	EP2=	-101132+001	ALEPS=	39.39
ELEM	525	IAU=	1501+000	EPG=	1102+001	STI=	-8148+002	EP2=	438+002	YNT=	.450
SL=	.194										
STX=	-125835+001	STY=	-117553+001	TAX=	-144323+000	STI=	-106680+001	STZ=	-136209+001	ALPHA=	127.00
EPX=	-514129+002	EPY=	-369681+002	EPZ=	-110058+001	EP1=	-908684+004	EP2=	-109290+001	ALEPS=	-43.56
ELEM	526	IAU=	1974+000	EPG=	1398+001	STI=	-7118+002	EP2=	378+002	YNT=	.450
SL=	.259										
STX=	-125752+001	STY=	-118476+001	TAX=	-194057+000	STI=	-102362+001	STZ=	-141846+001	ALPHA=	129.71
EPX=	-523179+002	EPY=	-349681+002	EPZ=	-119089+001	EP1=	-152402+002	EP2=	-124526+001	ALEPS=	-44.05
ELEM	527	IAU=	2276+000	EPG=	1759+001	STI=	-1365+001	EP2=	426+002	YNT=	.450
SL=	.263										
STX=	-152084+001	STY=	-168984+001	TAX=	-211305+000	STI=	-137272+001	STZ=	-183293+001	ALPHA=	34.10
EPX=	-206735+002	EPY=	-121737+001	EPZ=	-163976+001	EP1=	-167478+002	EP2=	-159158+001	ALEPS=	-27.47
ELEM	528	IAU=	1714+000	EPG=	1363+001	STI=	-1402+001	EP2=	395+002	YNT=	.450
SL=	.229										
STX=	-105547+001	STY=	-124859+001	TAX=	-141603+000	STI=	-980634+000	STZ=	-132342+001	ALPHA=	-27.85
EPX=	-523179+002	EPY=	-101793+001	EPZ=	-965135+002	EP1=	-145008+002	EP2=	-121818+001	ALEPS=	-22.54
ELEM	529	IAU=	1958+000	EPG=	1528+001	STI=	-4054+002	EP2=	296+002	YNT=	.450
SL=	.293										
STX=	-920745+000	STY=	-826019+000	TAX=	-187907+000	STI=	-679598+000	STZ=	-106217+001	ALPHA=	127.93
EPX=	-523179+002	EPY=	-274074+002	EPZ=	-150719+001	EP1=	-363191+002	EP2=	-116244+001	ALEPS=	40.31
ELEM	530	IAU=	2622+000	EPG=	2110+001	STI=	-1661+001	EP2=	261+002	YNT=	.450
SL=	.378										
STX=	-116715+001	STY=	-952378+000	TAX=	-234473+000	STI=	-787550+000	STZ=	-131198+001	ALPHA=	121.70
EPX=	-905896+002	EPY=	-344272+003	EPZ=	-192131+001	EP1=	-584781+002	EP2=	-152510+001	ALEPS=	32.80
ELEM	531	IAU=	2503+000	EPG=	1984+001	STI=	-2389+001	EP2=	251+002	YNT=	.450
SL=	.374										
STX=	-105781+001	STY=	-852532+000	TAX=	-228264+000	STI=	-204864+000	STZ=	-120548+001	ALPHA=	122.90
EPX=	-863538+002	EPY=	-344272+003	EPZ=	-180269+001	EP1=	-543124+002	EP2=	-144109+001	ALEPS=	32.65
ELEM	532	IAU=	2956+000	EPG=	2592+001	STI=	-6178+002	EP2=	218+002	YNT=	.450
SL=	.437										
STX=	-923662+000	STY=	-111200+001	TAX=	-279596+000	STI=	-722803+000	STZ=	-131286+001	ALPHA=	-35.69
EPX=	-552363+003	EPY=	-862524+002	EPZ=	-264304+001	EP1=	-837084+002	EP2=	-175490+001	ALEPS=	-35.93
ELEM	533	IAU=	3557+000	EPG=	3007+001	STI=	-4131+001	EP2=	-269+002	YNT=	.450
SL=	.438										

STX=	-167380+001	STY=	-162653+001	TXE=	-347449+000	STL=	-119462+001	STZ=	-190591+001	ALPHA=	-38.80
EPX=	-374456-002	EPY=	-101975-001	EXY=	-293700-001	EPZ=	806423-002	EPZ=	-220063-001	ALEPS=	-38.80
ELEM	534	TAU=	3988+000	EPG=	3212+001	SIL=	-1332-001	ETL=	221+002	YNT=	.450
STX=	-139206+001	STY=	-165124+001	TXE=	-377147+000	STL=	-112286+001	STZ=	-192044+001	ALPHA=	-35.52
EPX=	-115675+002	EPY=	-118281+001	EXY=	-302273+001	EPZ=	954232-002	EPZ=	-225771-001	ALEPS=	-35.25
ELEM	535	TAU=	4166+000	EPG=	3529-001	SIL=	-1489-001	ETL=	209+002	YNT=	.450
STX=	-142382+001	STY=	-162749+001	TXE=	-392265+000	STL=	-113274+001	STZ=	-194600+001	ALPHA=	-36.23
EPX=	-155143-002	EPY=	-118781-001	EXY=	-337482-001	EPZ=	109316+001	EPZ=	-243611-001	ALEPS=	-36.49
ELEM	536	TAU=	4133+000	EPG=	3635-001	SIL=	-1782-001	ETL=	211+002	YNT=	.450
STX=	-145749+001	STY=	-160345+001	TXE=	-404023+000	STL=	-111917+001	STZ=	-194182+001	ALPHA=	-39.89
EPX=	-143918+002	EPY=	-095906+002	EXY=	-360628-001	EPZ=	115000+001	EPZ=	-248509-001	ALEPS=	-41.39
ELEM	537	TAU=	4607+000	EPG=	4063-001	SIL=	-1535-001	ETL=	188+002	YNT=	.450
STX=	-158812+001	STY=	-171388+001	TXE=	-456404+000	STL=	-119029+001	STZ=	-211172+001	ALPHA=	-41.08
EPX=	-1511879-002	EPY=	-895906-002	EXY=	-404502-001	EPZ=	132777-001	EPZ=	-273550-001	ALEPS=	-42.29
ELEM	538	TAU=	5193+000	EPG=	4452-001	SIL=	-1262-001	ETL=	168+002	YNT=	.450
STX=	-165501+001	STY=	-197598+001	TXE=	-493975+000	STL=	-129614+001	STZ=	-233484+001	ALPHA=	-36.00
EPX=	-145243-002	EPY=	-135268-001	EXY=	-429066-001	EPZ=	142940-001	EPZ=	-297732-001	ALEPS=	-37.14
ELEM	539	TAU=	5408+000	EPG=	4672-001	SIL=	-1597-001	ETL=	165+002	YNT=	.450
STX=	-174515+001	STY=	-205515+001	TXE=	-518104+000	STL=	-135936+001	STZ=	-244024+001	ALPHA=	-34.67
EPX=	-220808-002	EPY=	-135268-001	EXY=	-453302-001	EPZ=	154935-001	EPZ=	-312284-001	ALEPS=	-37.99
ELEM	540	TAU=	5402+000	EPG=	4722-001	SIL=	-1402-001	ETL=	181+002	YNT=	.450
STX=	-178850+001	STY=	-220260+001	TXE=	-498916+000	STL=	-145538+001	STZ=	-253572+001	ALPHA=	-33.73
EPX=	-115853+002	EPY=	-156746+001	EXY=	-450543-001	EPZ=	153205+001	EPZ=	-319236+001	ALEPS=	-36.19
ELEM	541	TAU=	5589+000	EPG=	4829-001	SIL=	-1684-001	ETL=	182+002	YNT=	.450
STX=	-189466+001	STY=	-229072+001	TXE=	-522922+000	STL=	-153476+001	STZ=	-265242+001	ALPHA=	-34.67
EPX=	-165321-002	EPY=	-154746-001	EXY=	-462705-001	EPZ=	155814-001	EPZ=	-327092-001	ALEPS=	-36.68
ELEM	542	TAU=	6207+000	EPG=	5001-001	SIL=	-1080-001	ETL=	193+002	YNT=	.450
STX=	-220026+001	STY=	-272927+001	TXE=	-561573+000	STL=	-184407+001	STZ=	-308551+001	ALPHA=	-32.39
EPX=	-210822-004	EPY=	-193983+001	EXY=	-441027-001	EPZ=	152249-001	EPZ=	-347145-001	ALEPS=	-33.60
ELEM	543	TAU=	6242+000	EPG=	4936-001	SIL=	-3120-001	ETL=	199+002	YNT=	.450
STX=	-225520+001	STY=	-228633+001	TXE=	-569922+000	STL=	-149655+001	STZ=	-314498+001	ALPHA=	-32.51
EPX=	-216137-003	EPY=	-193985-001	EXY=	-454767-001	EPZ=	148711-001	EPZ=	-344857-001	ALEPS=	-33.56
ELEM	544	TAU=	5926+000	EPG=	4929-001	SIL=	-1824-001	ETL=	204+002	YNT=	.450
STX=	-208697+001	STY=	-274478+001	TXE=	-498999+000	STL=	-181827+001	STZ=	-301352+001	ALPHA=	-28.31
EPX=	-217566-002	EPY=	-214694-001	EXY=	-432562-001	EPZ=	150068-001	EPZ=	-342805-001	ALEPS=	-30.68
ELEM	545	TAU=	6027+000	EPG=	4864-001	SIL=	-1730-001	ETL=	214+002	YNT=	.450
STX=	-217802+001	STY=	-282666+001	TXE=	-508198+000	STL=	-189993+001	STZ=	-310533+001	ALPHA=	-28.74
EPX=	-286102-002	EPY=	-214494-001	EXY=	-426880-001	EPZ=	145247-001	EPZ=	-341131-001	ALEPS=	-30.68
ELEM	546	TAU=	6573+000	EPG=	4828-001	SIL=	-2402-001	ETL=	238+002	YNT=	.450
STX=	-258035+001	STY=	-329867+001	TXE=	-550438+000	STL=	-228226+001	STZ=	-359676+001	ALPHA=	-28.44
EPX=	-175462-002	EPY=	-236775-001	EXY=	-410430-001	EPZ=	131804-001	EPZ=	-351033-001	ALEPS=	-29.11
ELEM	547	TAU=	6432+000	EPG=	4701-001	SIL=	-2262-001	ETL=	244+002	YNT=	.450
STX=	-254237+001	STY=	-326860+001	TXE=	-530866+000	STL=	-2262-001	STZ=	-358666+001	ALPHA=	-27.81
EPX=	-206270-002	EPY=	-236775-001	EXY=	-393333-001	EPZ=	126961-001	EPZ=	-343109-001	ALEPS=	-28.40
ELEM	548	TAU=	5871+000	EPG=	4668-001	SIL=	1674-002	ETL=	232+002	YNT=	.450
STX=	-212949+001	STY=	-294082+001	TXE=	-424475+000	STL=	-194801+001	STZ=	-312230+001	ALPHA=	-23.15
EPX=	-698981-002	EPY=	-247912-001	EXY=	-356853-001	EPZ=	133390+001	EPZ=	-331609-001	ALEPS=	-25.08
ELEM	549	TAU=	6058+000	EPG=	4690-001	SIL=	-3267-001	ETL=	241+002	YNT=	.450
STX=	-228402+001	STY=	-309065+001	TXE=	-452061+000	STL=	-208151+001	STZ=	-329317+001	ALPHA=	-26.13
EPX=	-109235-002	EPY=	-247917-001	EXY=	-369566-001	EPZ=	131028-001	EPZ=	-336021-001	ALEPS=	-25.99
ELEM	550	TAU=	6456+000	EPG=	4514-001	SIL=	-2142-001	ETL=	245+002	YNT=	.450
STX=	-270277+001	STY=	-352690+001	TXE=	-497054+000	STL=	-246918+001	STZ=	-376048+001	ALPHA=	-25.17
EPX=	-305933-002	EPY=	-256829-001	EXY=	-348127-001	EPZ=	112606-001	EPZ=	-338841-001	ALEPS=	-25.23
ELEM	551	TAU=	4404+000	EPG=	4476-001	SIL=	-2020-001	ETL=	275+002	YNT=	.450
STX=	-266634+001	STY=	-350356+001	TXE=	-484622+000	STL=	-244454+001	STZ=	-372533+001	ALPHA=	-24.59
ELEM	552	TAU=	5524+000	EPG=	4400-001	SIL=	-2400-001	ETL=	334+002	YNT=	.450

STX=	-.212787+001	STY=	-.435764+001	TXE=	.425458+000	STI=	-.204948+001	STZ=	-.443605+001	ALPHA=	10.44	
EPZ=	.509453-002	EPY=	-.199511-001	EYX=	.104058-001	EP1=	.613194-002	EP2=	-.209885-001	ALEPS=	11.28	
ELEM	574	TAU=	1.079+001	EPG=	2.333-001	STI=	-.7302-001	EPZ=	FEI=	.810+002	YNI=	.400
STX=	-.200098+001	STY=	-.392272+001	TXE=	.491695+000	STI=	-.188248+001	STZ=	-.404122+001	ALPHA=	13.55	
EPZ=	.385944-002	EPY=	-.166080-001	EYX=	.112025+001	EP1=	.529202+002	EP2=	-.180405-001	ALEPS=	14.35	
ELEM	575	TAU=	1.046+001	EPG=	.2342-001	STI=	-.1046+000	EPZ=	EET=	.901+002	YNI=	.400
STX=	-.203556+001	STY=	-.365054+001	TXE=	.520800+000	STI=	-.189669+001	STZ=	-.398931+001	ALPHA=	14.93	
EPZ=	.344793-002	EPY=	-.166080-001	EYX=	.170989-001	EP1=	.513134-002	EP2=	-.182914-001	ALEPS=	15.55	
ELEM	576	TAU=	9.620+000	EPG=	2.319-001	STI=	-.7069-001	EPZ=	FEI=	.945+002	YNI=	.400
STX=	-.190972+001	STY=	-.359606+001	TXE=	.463116+000	STI=	-.179091+001	STZ=	-.371487+001	ALPHA=	14.39	
EPZ=	.326879-002	EPY=	-.167233-001	EYX=	.116579-001	EP1=	.484074-002	EP2=	-.183555-001	ALEPS=	15.09	
ELEM	577	TAU=	.9366+000	EPG=	.2403-001	STI=	-.7779-001	EPZ=	EET=	.979+002	YNI=	.400
STX=	-.191376+001	STY=	-.350502+001	TXE=	.494120+000	STI=	-.172281+001	STZ=	-.364401+001	ALPHA=	15.92	
EPZ=	.283952-002	EPY=	-.167735-001	EYX=	.138908-001	EP1=	.504997-002	EP2=	-.189839-001	ALEPS=	17.65	
ELEM	578	TAU=	8.832+000	EPG=	2.110-001	STI=	-.4540-001	EPZ=	FEI=	.900+002	YNI=	.400
STX=	-.183529+001	STY=	-.319247+001	TXE=	.565647+000	STI=	-.163094+001	STZ=	-.339737+001	ALPHA=	19.91	
EPZ=	.181332-002	EPY=	-.156303-001	EYX=	.143216-001	EP1=	.663958-002	EP2=	-.164556-001	ALEPS=	21.47	
ELEM	579	TAU=	.4480+000	EPG=	.2121-001	STI=	-.4541-001	EPZ=	EET=	.980+002	YNI=	.400
STX=	-.184795+001	STY=	-.310262+001	TXE=	.570587+000	STI=	-.162722+001	STZ=	-.332329+001	ALPHA=	21.14	
EPZ=	.145493-002	EPY=	-.136303-001	EYX=	.149067-001	EP1=	.651694-002	EP2=	-.166923-001	ALEPS=	22.33	
ELEM	580	TAU=	.6414+000	EPG=	1.852-001	STI=	-.5000-001	EPZ=	FEI=	.110+003	YNI=	.400
STX=	-.164739+001	STY=	-.262248+001	TXE=	.490389+000	STI=	-.144357+001	STZ=	-.282630+001	ALPHA=	22.58	
EPZ=	.461476-003	EPY=	-.119024-001	EYX=	.132857-001	EP1=	.353846-002	EP2=	-.149739-001	ALEPS=	24.06	
ELEM	581	TAU=	.4799+000	EPG=	.1867-001	STI=	-.3190-001	EPZ=	EET=	.113+003	YNI=	.400
STX=	-.167263+001	STY=	-.257655+001	TXE=	.507325+000	STI=	-.146470+001	STZ=	-.280448+001	ALPHA=	24.17	
EPZ=	.337652-003	EPY=	-.119024-001	EYX=	.140920-001	EP1=	.355040-002	EP2=	-.151152-001	ALEPS=	24.51	
ELEM	582	TAU=	.4080+000	EPG=	1.705-001	STI=	-.1508-001	EPZ=	FEI=	.985+002	YNI=	.400
STX=	-.149946+001	STY=	-.218276+001	TXE=	.502973+000	STI=	-.123307+001	STZ=	-.244914+001	ALPHA=	27.91	
EPZ=	-.516593-003	EPY=	-.740345-002	EYX=	.145510-001	EP1=	.356505-002	EP2=	-.134851-001	ALEPS=	29.29	
ELEM	583	TAU=	.4299+000	EPG=	.1783-001	STI=	-.3202-001	EPZ=	EET=	.996+002	YNI=	.400
STX=	-.156129+001	STY=	-.225033+001	TXE=	.522344+000	STI=	-.127586+001	STZ=	-.253258+001	ALPHA=	28.43	
EPZ=	.758711-003	EPY=	-.940345-002	EYX=	.155778-001	EP1=	.384162-002	EP2=	-.139838-001	ALEPS=	30.46	
ELEM	584	TAU=	.5823+000	EPG=	1.710-001	STI=	-.2595-001	EPZ=	FEI=	.743+002	YNI=	.400
STX=	-.145304+001	STY=	-.178997+001	TXE=	.557352+000	STI=	-.103924+001	STZ=	-.220376+001	ALPHA=	36.59	
EPZ=	.365481-002	EPY=	-.577842-002	EYX=	.168866-001	EP1=	.413580-002	EP2=	-.129691-001	ALEPS=	40.42	
ELEM	585	TAU=	.5391+000	EPG=	.1377-001	STI=	-.4215-001	EPZ=	EET=	.122+003	YNI=	.400
STX=	-.174825+001	STY=	-.164562+001	TXE=	.538882+000	STI=	-.125775+001	STZ=	-.233590+001	ALPHA=	42.41	
EPZ=	.332677-002	EPY=	-.577847-002	EYX=	.135478-001	EP1=	.233130-002	EP2=	-.114365-001	ALEPS=	39.87	
ELEM	586	TAU=	.5303+000	EPG=	1.082-001	STI=	-.2172-001	EPZ=	FEI=	.133+003	YNI=	.350
STX=	-.106757+001	STY=	-.132838+001	TXE=	.516461+000	STI=	-.667631+000	STZ=	-.172832+001	ALPHA=	37.88	
EPZ=	.246273-002	EPY=	-.361163-002	EYX=	.108072-001	EP1=	.239685-002	EP2=	-.847121-002	ALEPS=	41.97	
ELEM	587	TAU=	.6059+000	EPG=	.1126-001	STI=	-.2430-001	EPZ=	EET=	.143+003	YNI=	.350
STX=	-.118209+001	STY=	-.157064+001	TXE=	.523918+000	STI=	-.770461+000	STZ=	-.198228+001	ALPHA=	35.65	
EPZ=	.290100-002	EPY=	-.361163-002	EYX=	.112327-001	EP1=	.237128-002	EP2=	-.888390-002	ALEPS=	43.19	
ELEM	588	TAU=	.5221+000	EPG=	1.105-001	STI=	-.2522-001	EPZ=	FEI=	.116+003	YNI=	.350
STX=	-.110667+001	STY=	-.117021+001	TXE=	.521170+000	STI=	-.616301+000	STZ=	-.166058+001	ALPHA=	43.26	
EPZ=	.330017-002	EPY=	-.238230-002	EYX=	.110119-001	EP1=	.268382-002	EP2=	-.836630-002	ALEPS=	42.62	
ELEM	589	TAU=	.5314+000	EPG=	.1086-001	STI=	-.1577-001	EPZ=	EET=	.989+002	YNI=	.350
STX=	-.106618+001	STY=	-.116271+001	TXE=	.520166+000	STI=	-.583174+000	STZ=	-.164592+001	ALPHA=	42.39	
EPZ=	.327676-002	EPY=	-.238230-002	EYX=	.108278-001	EP1=	.260270-002	EP2=	-.826197-002	ALEPS=	42.64	
ELEM	590	TAU=	.3420+000	EPG=	1.019-001	STI=	-.2094-001	EPZ=	FEI=	.123+003	YNI=	.350
STX=	-.737491+000	STY=	-.842653+000	TXE=	.389519+000	STI=	-.447494+000	STZ=	-.113265+001	ALPHA=	40.59	
EPZ=	.327004-002	EPY=	-.108316-002	EYX=	.995132-002	EP1=	.291778-002	EP2=	-.722100-002	ALEPS=	38.80	
ELEM	591	TAU=	.4149+000	EPG=	.1148-001	STI=	-.5956-002	EPZ=	EET=	.316+002	YNI=	.350
STX=	-.756185+000	STY=	-.743769+000	TXE=	.414879+000	STI=	-.334744+000	STZ=	-.116461+001	ALPHA=	45.45	
EPZ=	.403142-002	EPY=	-.416334-003	EYX=	.109003-001	EP1=	.351688-002	EP2=	-.796663-002	ALEPS=	35.83	
ELEM	592	TAU=	.2713+000	EPG=	1.613-001	STI=	-.4826-002	EPZ=	FEI=	.161+002	YNI=	.350
STX=	-.469645+000	STY=	-.452074+000	TXE=	.271332+000	STI=	-.189385+000	STZ=	-.732333+000	ALPHA=	45.93	
EPZ=	-.615354-002	EPY=	.373294-003	EYX=	.147487-001	EP1=	.517407-002	EP2=	-.109543-001	ALEPS=	33.06	
ELEM	593	TAU=	.1888+000	EPG=	.1466-001	STI=	-.2874-002	EPZ=	EET=	.138+002	YNI=	.350

STX	-230543+001	STY	-332881+001	TXV	-333240+000	STI	-220649+001	STZ	-342776+001	ALPHA	-16.54
EPX	815256-002	EPY	-299782-001	EPZ	-280952-001	EP1	127689-001	EP2	-345945-001	ALPES	-18.19
ELEM	554	LAU	6203+000	EPG	4284-001	STL	-6650-001	YNI	313+002	YNI	450
SL	.492										
STX	-285864+001	STY	-387239+001	TXV	-357962+000	STI	-274494+001	STZ	-398604+001	ALPHA	-17.62
EPX	543926-002	EPY	-296217-001	EPZ	-242615-001	EP1	922698-002	EP2	-334114-001	ALPES	-17.34
ELEM	555	LAU	6009+000	EPG	4184-001	STL	-5981-001	YNI	336+002	YNI	450
SL	.486										
STX	-274887+001	STY	-376827+001	TXV	-318296+000	STI	-265764+001	STZ	-389549+001	ALPHA	-15.29
EPX	599919-002	EPY	-296237-001	EPZ	-219510-001	EP1	910924-002	EP2	-327338-001	ALPES	-15.82
ELEM	556	LAU	6804+000	EPG	5113-001	STL	-6625-001	YNI	236+002	YNI	450
SL	.591										
STX	-239166+001	STY	-370626+001	TXV	-176711+000	STI	-336773+001	STZ	-372958+001	ALPHA	-7.52
EPX	135297-001	EPY	-323238-001	EPZ	-152456-001	EP1	342685-001	EP2	-385605-001	ALPES	-8.59
ELEM	557	LAU	6819+000	EPG	5318-001	STL	-3187-001	YNI	225+002	YNI	450
SL	.603										
STX	-230594+001	STY	-366693+001	TXV	-123427+000	STI	-229454+001	STZ	-345833+001	ALPHA	-5.25
EPX	144585-001	EPY	-373718-001	EPZ	-118892-001	EP1	151315-001	EP2	-380449-001	ALPES	-6.46
ELEM	558	LAU	6601+000	EPG	4402-001	STL	-2002-000	YNI	405+002	YNI	450
SL	.455										
STX	-340462+001	STY	-470716+001	TXV	-105722+000	STI	-339550+001	STZ	-471568+001	ALPHA	-4.61
EPX	720230-002	EPY	-352982-001	EPZ	-621165-002	EP1	796503-002	EP2	-360555-001	ALPES	-4.38
ELEM	559	LAU	5602+000	EPG	4665-001	STL	-2722-001	YNI	227+002	YNI	450
SL	.572										
STX	-180433+001	STY	-285345+001	TXV	-196508+000	STI	-176873+001	STZ	-288905+001	ALPHA	-10.27
EPX	125945-001	EPY	-317632-001	EPZ	-144408-001	EP1	137409-001	EP2	-329089-001	ALPES	9.02
ELEM	560	LAU	1124+001	EPG	2154-001	STL	-1132-000	YNI	860+002	YNI	350
SL	.715										
STX	-157530+001	STY	-362134+001	TXV	-597516+001	STI	-157371+001	STZ	-382293+001	ALPHA	-1.52
EPX	330539-002	EPY	-180552-001	EPZ	-283264-002	EP1	339949-002	EP2	-181387-001	ALPES	-3.78
ELEM	561	LAU	1524+001	EPG	2070-001	STL	-1405-000	YNI	125+003	YNI	350
SL	.648										
STX	-236639+001	STY	-338422+001	TXV	-212667+000	STI	-255128+001	STZ	-539918+001	ALPHA	-4.01
EPX	233426-002	EPY	-180760-001	EPZ	-345032-002	EP1	247905-002	EP2	-182208-001	ALPES	-4.80
ELEM	562	LAU	1195+001	EPG	2482-001	STL	-1490+000	YNI	847+002	YNI	400
SL	.726										
STX	-209981+001	STY	-448286+001	TXV	-948245-001	STI	-209605+001	STZ	-448663+001	ALPHA	-2.28
EPX	546233-002	EPY	-192936-001	EPZ	-256922-002	EP1	550862-002	EP2	-193601-001	ALPES	-2.96
ELEM	563	LAU	1359+001	EPG	2420-001	STL	-1361+000	YNI	786+002	YNI	400
SL	.763										
STX	-230242+001	STY	-502263+001	TXV	-532262+001	STI	-230650+001	STZ	-502360+001	ALPHA	-1.08
EPX	539058-002	EPY	-187808-001	EPZ	-176953-002	EP1	538297-002	EP2	-188132-001	ALPES	-2.10
ELEM	564	LAU	1292+001	EPG	2513+001	STL	-2358+000	YNI	828+002	YNI	400
SL	.734										
STX	-227433+001	STY	-485769+001	TXV	-244993-001	STI	-227410+001	STZ	-485793+001	ALPHA	-1.54
EPX	555293-002	EPY	-193776-001	EPZ	-118008-002	EP1	552122-002	EP2	-195914-001	ALPES	-1.34
ELEM	565	LAU	1370+001	EPG	2615-001	STL	-9979-001	YNI	527+002	YNI	400
SL	.831										
STX	-210131+001	STY	-484233+001	TXV	-117462-001	STI	-210144+001	STZ	-484236+001	ALPHA	-1.25
EPX	650892-002	EPY	-193776-001	EPZ	-562653-003	EP1	657195-002	EP2	-195806-001	ALPES	-1.62
ELEM	566	LAU	1421+001	EPG	2805-001	STL	-1889+000	YNI	718+002	YNI	400
SL	.786										
STX	-235040+001	STY	-510659+001	TXV	-933439-001	STI	-234733+001	STZ	-518966+001	ALPHA	1.88
EPX	630998-002	EPY	-214455-001	EPZ	-130425-002	EP1	658535-002	EP2	-216607-001	ALPES	1.33
ELEM	567	LAU	1327+001	EPG	2839-001	STL	-1599+000	YNI	613+002	YNI	400
SL	.801										
STX	-211995+001	STY	-475582+001	TXV	-151989+000	STI	-211123+001	STZ	-476455+001	ALPHA	3.29
EPX	680142-002	EPY	-214455-001	EPZ	-284673-002	EP1	687297-002	EP2	-215171-001	ALPES	2.88
ELEM	568	LAU	1412+001	EPG	3114-001	STL	-1444+000	YNI	473+002	YNI	400
SL	.852										
STX	-212899+001	STY	-492727+001	TXV	-168562+000	STI	-211290+001	STZ	-493737+001	ALPHA	3.43
EPX	782330-002	EPY	-214411-001	EPZ	-325365-002	EP1	791153-002	EP2	-232264-001	ALPES	3.00
ELEM	569	LAU	1388+001	EPG	3162-001	STL	-1534+000	YNI	472+002	YNI	400
SL	.850										
STX	-210222+001	STY	-481923+001	TXV	-295344+000	STI	-202548+001	STZ	-485302+001	ALPHA	6.14
EPX	765597-002	EPY	-231411-001	EPZ	-717154-002	EP1	806795-002	EP2	-235531-001	ALPES	6.55
ELEM	570	LAU	1298+001	EPG	2703-001	STL	-1321+000	YNI	659+002	YNI	400
SL	.785										
STX	-215215+001	STY	-463757+001	TXV	-340584+000	STI	-210668+001	STZ	-470304+001	ALPHA	7.60
EPX	597106-002	EPY	-192336-001	EPZ	-758225-002	EP1	651332-002	EP2	-205170-001	ALPES	8.15
ELEM	571	LAU	1258+001	EPG	2719-001	STL	-1504+000	YNI	690+002	YNI	400
SL	.772										
STX	-213217+001	STY	-452683+001	TXV	-382365+000	STI	-202103+001	STZ	-458792+001	ALPHA	8.96
EPX	572160-002	EPY	-190536-001	EPZ	-888090-002	EP1	244800-002	EP2	-202205-001	ALPES	8.54
ELEM	572	LAU	1258+001	EPG	2719-001	STL	-1504+000	YNI	690+002	YNI	400
SL	.772										

STX=	-258891+000	STY=	-365632+000	IAX=	.181150+000	STI=	-.123413+000	STZ=	-.501111+000	ALPHA=	36.79
EPX=	-.487163-002	EPY=	.264664-003	EAX=	.137510-001	EPI=	.499545-002	EPZ=	-.966268-002	ALPES=	-34.87
ELEM	594	TAU=	.1484+000	EPG=	.1504-001	STL=	-.1759-002	EEL=	.128+002	YNI=	.350
STX=	-.224812+000	STY=	-.368641+000	IAX=	.163108+000	STI=	-.983191-001	STZ=	-.535134+000	ALPHA=	37.79
EPX=	-.567563-002	EPY=	-.312115-003	EAX=	.145403+001	EPI=	.139334-002	EPZ=	-.104959-001	ALPES=	-33.73
ELEM	595	TAU=	.5335-001	EPG=	.5145-002	STL=	-.5634-004	EEL=	.226+002	YNI=	.450
STX=	-.246020+000	STY=	-.313998+000	IAX=	-.411268-001	STI=	-.226657+000	STZ=	-.333361+000	ALPHA=	-25.21
EPX=	-.270999-003	EPY=	-.298303-002	EAX=	-.398462-002	EPI=	.121713-002	EPZ=	-.392807-002	ALPES=	-25.38
ELEM	596	TAU=	.4046+001	EPG=	.3902-002	STL=	-.4165-004	EEL=	.282+002	YNI=	.450
STX=	-.265062+000	STY=	-.329357+000	IAX=	-.245773+001	STI=	-.256761+000	STZ=	-.337678+000	ALPHA=	-18.70
EPX=	-.108533+003	EPY=	-.228303+002	EAX=	-.238043+002	EPI=	.133657+003	EPZ=	-.338815+002	ALPES=	-18.80
ELEM	597	TAU=	.2957-001	EPG=	.2819-002	STL=	-.1450-004	EEL=	.199+002	YNI=	.450
STX=	-.123130+000	STY=	-.180393+000	IAX=	-.238940+002	STI=	-.122192+000	STZ=	-.181332+000	ALPHA=	-7.24
EPX=	-.626955-003	EPY=	-.209563-002	EAX=	-.729400-003	EPI=	.674961-003	EPZ=	-.214364-002	ALPES=	-7.50
ELEM	598	TAU=	.2594-001	EPG=	.2422-002	STL=	-.7232-004	EEL=	.232+002	YNI=	.450
STX=	-.163455+000	STY=	-.213126+000	IAX=	-.749166-002	STI=	-.162349+000	STZ=	-.214232+000	ALPHA=	-8.39
EPX=	-.270596-003	EPY=	-.209563-002	EAX=	-.732869+003	EPI=	.326043+003	EPZ=	-.215108-002	ALPES=	-8.60
ELEM	599	TAU=	.3913-001	EPG=	.3774-002	STL=	-.3486-004	EEL=	.289+002	YNI=	.450
STX=	-.308616+000	STY=	-.386866+000	IAX=	-.406689+003	STI=	-.308614+000	STZ=	-.386868+000	ALPHA=	-.30
EPX=	-.206179-003	EPY=	-.356798-002	EAX=	-.400344-004	EPI=	.206255-003	EPZ=	-.356809-002	ALPES=	-.30
ELEM	600	TAU=	.3252-001	EPG=	.3024-002	STL=	-.1368-003	EEL=	.300+002	YNI=	.450
STX=	-.325828+000	STY=	-.400844+000	IAX=	.867121-003	STI=	-.325817+000	STZ=	-.400854+000	ALPHA=	.66
EPX=	-.553635-004	EPY=	-.356798-002	EAX=	.838123-004	EPI=	.558681+004	EPZ=	-.356846-002	ALPES=	-.66
ELEM	601	TAU=	.1870-001	EPG=	.1751-002	STL=	-.6743-004	EEL=	.283+002	YNI=	.450
STX=	-.162112+000	STY=	-.398133+000	IAX=	.502058+002	STI=	.143425+000	STZ=	-.198819+000	ALPHA=	7.29
EPX=	-.291334-004	EPY=	-.171465-002	EAX=	.472795-003	EPI=	.339405-005	EPZ=	-.174718-002	ALPES=	7.83
ELEM	602	TAU=	.1828-001	EPG=	.1263-002	STL=	-.1608-003	EEL=	.266+002	YNI=	.450
STX=	-.166685+000	STY=	-.201844+000	IAX=	-.658844+002	STI=	-.165491+000	STZ=	-.203041+000	ALPHA=	-10.27
EPX=	-.254699-004	EPY=	-.321465-002	EAX=	-.448893+003	EPI=	-.133878-004	EPZ=	-.172653-002	ALPES=	-10.80
ELEM	603	TAU=	.3389-001	EPG=	.3276-002	STL=	-.5415-004	EEL=	.305+002	YNI=	.450
STX=	-.323078+000	STY=	-.390853+000	IAX=	-.500339+003	STI=	-.323075+000	STZ=	-.390853+000	ALPHA=	-.42
EPX=	-.875795-004	EPY=	-.336309-002	EAX=	-.483929-004	EPI=	-.874005-004	EPZ=	-.336327-002	ALPES=	-.42
ELEM	604	TAU=	.3136+001	EPG=	.3208+002	STL=	-.1091-003	EEL=	.310+002	YNI=	.450
STX=	-.330808+000	STY=	-.397126+000	IAX=	.215650+003	STI=	-.330807+000	STZ=	-.397126+000	ALPHA=	.19
EPX=	-.158773-003	EPY=	-.336309-002	EAX=	.208972+004	EPI=	-.154239-003	EPZ=	-.316313-002	ALPES=	.19
ELEM	605	TAU=	.1590-001	EPG=	.1426-002	STL=	-.1232-003	EEL=	.251+002	YNI=	.450
STX=	-.167515+000	STY=	-.192613+000	IAX=	.514083+002	STI=	-.166663+000	STZ=	-.198462+000	ALPHA=	9.43
EPX=	-.212417-003	EPY=	-.155865-002	EAX=	.471436+003	EPI=	-.172337-003	EPZ=	-.159873-002	ALPES=	9.65
ELEM	606	TAU=	.1202-001	EPG=	.1559-002	STL=	-.3150-003	EEL=	.253+002	YNI=	.450
STX=	-.175627+000	STY=	-.204204+000	IAX=	-.924246+002	STI=	-.172899+000	STZ=	-.206933+000	ALPHA=	-16.45
EPX=	-.293628-003	EPY=	-.152865+002	EAX=	-.910509+003	EPI=	-.168991+003	EPZ=	-.170546+002	ALPES=	-17.87
ELEM	607	TAU=	.2893-001	EPG=	.2804-002	STL=	-.1869-003	EEL=	.315+002	YNI=	.450
STX=	-.326282+000	STY=	-.381203+000	IAX=	-.261299+002	STI=	-.324369+000	STZ=	-.382021+000	ALPHA=	-2.59
EPX=	-.310102-003	EPY=	-.310269+002	EAX=	-.251861+003	EPI=	-.304434+003	EPZ=	-.310836+002	ALPES=	-2.58
ELEM	608	TAU=	.2597-001	EPG=	.2557-002	STL=	-.5099-003	EEL=	.333+002	YNI=	.450
STX=	-.352171+000	STY=	-.404112+000	IAX=	-.271832+003	STI=	-.352170+000	STZ=	-.404113+000	ALPHA=	-.30
EPX=	-.546198-003	EPY=	-.310269+002	EAX=	-.250580+004	EPI=	-.546132+003	EPZ=	-.310276+002	ALPES=	-.28
ELEM	609	TAU=	.9602-002	EPG=	.8016+003	STL=	-.2713-003	EEL=	.271+002	YNI=	.450
STX=	-.182839+000	STY=	-.198262+000	IAX=	.521088+002	STI=	-.180294+000	STZ=	-.200153+000	ALPHA=	18.29
EPX=	-.626872-003	EPY=	-.122750+002	EAX=	.528460+003	EPI=	-.525383+003	EPZ=	-.132694+002	ALPES=	20.62
ELEM	610	TAU=	.1322-001	EPG=	.1222-002	STL=	-.4941+003	EEL=	.268+002	YNI=	.450
STX=	-.192024+000	STY=	-.205843+000	IAX=	-.112742+001	STI=	-.185711+000	STZ=	-.212157+000	ALPHA=	-29.25
EPX=	-.713758-003	EPY=	-.122750+002	EAX=	-.110980+002	EPI=	-.360274+003	EPZ=	-.158238+002	ALPES=	-32.62
ELEM	611	TAU=	.1945-001	EPG=	.1982-002	STL=	-.3321+003	EEL=	.347+002	YNI=	.450
STX=	-.356312+000	STY=	-.395109+000	IAX=	-.142417+002	STI=	-.356260+000	STZ=	-.395161+000	ALPHA=	-2.10
EPX=	-.823922-003	EPY=	-.280200+002	EAX=	-.128702+003	EPI=	-.821831+003	EPZ=	-.280409+002	ALPES=	-1.86
ELEM	612	TAU=	.2024+001	EPG=	.2062+002	STL=	-.8505+003	EEL=	.340+002	YNI=	.450
STX=	-.364657+000	STY=	-.307877+000	IAX=	.115467+002	STI=	-.346425+000	STZ=	-.387909+000	ALPHA=	1.60
EPX=	-.738515-003	EPY=	-.280200+002	EAX=	-.115662+003	EPI=	-.736896+003	EPZ=	-.280362+002	ALPES=	1.60
ELEM	613	TAU=	.4740+002	EPG=	.7192+003	STL=	-.4711+003	EEL=	.277+002	YNI=	.450

STX=	-192545+000	STY=	-201545+000	TXE=	750446-002	STI=	-188326+000	STZ=	-205805+000	ALPHA=	29.58
EPX=	-863262-003	EPY=	-106072-002	EXY=	691547-003	EP1=	-602398-003	EP2=	-132158-002	ALEPS=	37.03
ELEM	615	TAU=	1253-001	EPG=	1174-002	SII=	-7620-003	EIT=	271+002	YMI=	.450
STX=	-196574+000	STY=	-205136+000	TXE=	-117754-001	STI=	-188327+000	STZ=	-213382+000	ALPHA=	-35.01
EPX=	-913109-003	EPY=	-106022-002	EXY=	-116507-002	EP1=	-389224-003	EP2=	-152410-002	ALEPS=	-41.39
ELEM	615	TAU=	1236-001	EPG=	1193-002	SII=	-5614-003	EIT=	368+002	YMI=	.450
STX=	-122722+000	STY=	-192439+000	TXE=	111100-002	STI=	-372742+000	STZ=	-192469+000	ALPHA=	2.58
EPX=	-116047-002	EPY=	-254619-002	EXY=	138488-003	EP1=	-115703-002	EP2=	-254964-002	ALEPS=	2.85
ELEM	616	TAU=	1511-001	EPG=	1567-002	SII=	-1334-002	EIT=	354+002	YMI=	.450
STX=	-354726+000	STY=	-384215+000	TXE=	-340042-002	STI=	-354339+000	STZ=	-384602+000	ALPHA=	-6.49
EPX=	-100892-002	EPY=	-254619-002	EXY=	-303599-003	EP1=	-994319-003	EP2=	-256885-002	ALEPS=	-5.55
ELEM	617	TAU=	5560-002	EPG=	7716-003	SII=	-7012-003	EIT=	287+002	YMI=	.450
STX=	-200362+000	STY=	-198792+000	TXE=	550290-002	STI=	-196033+000	STZ=	-205353+000	ALPHA=	59.12
EPX=	-133895-002	EPY=	-627791-003	EXY=	299485-003	EP1=	-597547-003	EP2=	-136919-002	ALEPS=	-11.42
ELEM	618	TAU=	3089-001	EPG=	1480-002	SII=	-2182-002	EIT=	246+002	YMI=	.450
STX=	-229766+000	STY=	-226007+000	TXE=	-308334-001	STI=	-196993+000	STZ=	-258774+000	ALPHA=	133.26
EPX=	-171428-002	EPY=	-627291-003	EXY=	-330607-002	EP1=	508924-003	EP2=	-291105-002	ALEPS=	35.90
ELEM	619	TAU=	3446-001	EPG=	3530-002	SII=	2309-002	EIT=	255+002	YMI=	.450
STX=	-252259+000	STY=	-266189+000	TXE=	-337699-001	STI=	-224744+000	STZ=	-293205+000	ALPHA=	39.17
EPX=	-104916-002	EPY=	-141003-002	EXY=	-351168-002	EP1=	535491-003	EP2=	-299468-002	ALEPS=	-42.07
ELEM	620	TAU=	3906-001	EPG=	3676-002	SII=	5236-002	EIT=	338+002	YMI=	.450
STX=	-482791+000	STY=	-640389+000	TXE=	-322148-003	STI=	-422435+000	STZ=	-500545+000	ALPHA=	118.47
EPX=	-302303-002	EPY=	-135292-002	EXY=	-303165-002	EP1=	-552576-003	EP2=	-392502-002	ALEPS=	30.69
ELEM	621	TAU=	2753-001	EPG=	3116-002	SII=	-3795-002	EIT=	278+002	YMI=	.450
STX=	-294997+000	STY=	-250163+000	TXE=	-159810-001	STI=	-245046+000	STZ=	-300112+000	ALPHA=	107.74
EPX=	-267994-002	EPY=	-417164-004	EXY=	-165817-002	EP1=	197250-003	EP2=	-291890-002	ALEPS=	16.08
ELEM	622	TAU=	5298+001	EPG=	5559-002	SII=	2278-002	EIT=	241+002	YMI=	.450
STX=	-359050+000	STY=	-256805+000	TXE=	-193111-001	STI=	-254648+000	STZ=	-360808+000	ALPHA=	97.40
EPX=	-419721-002	EPY=	-118887-002	EXY=	-132098-002	EP1=	127423-002	EP2=	-428228-002	ALEPS=	7.14
ELEM	623	TAU=	4507-001	EPG=	1072-001	SII=	-2936-002	EIT=	163+002	YMI=	.450
STX=	-359526+000	STY=	-321606+000	TXE=	-132432-003	STI=	-190521+000	STZ=	-360661+000	ALPHA=	95.58
EPX=	-673963-002	EPY=	-389050-002	EXY=	-171106-002	EP1=	395891-002	EP2=	-680825-002	ALEPS=	4.57
ELEM	624	TAU=	1108+000	EPG=	2203-001	SII=	5255-002	EIT=	941+001	YMI=	.450
STX=	-415154+000	STY=	-155075+000	TXE=	-140274-001	STI=	-154320+000	STZ=	-415908+000	ALPHA=	93.08
EPX=	-128933-001	EPY=	905285-002	EXY=	-190885-002	EP1=	909428-002	EP2=	-129358-001	ALEPS=	2.49
ELEM	625	TAU=	1651+000	EPG=	1941-001	SII=	-3350-002	EIT=	184+002	YMI=	.450
STX=	-683930+000	STY=	-533436+000	TXE=	-147009+000	STI=	-243535+000	STZ=	-573831+000	ALPHA=	121.45
EPX=	-693103-002	EPY=	-252460-002	EXY=	-169466-001	EP1=	749969-002	EP2=	-119067-001	ALEPS=	30.42
ELEM	626	TAU=	1927+000	EPG=	2103-001	SII=	-4932-002	EIT=	182+002	YMI=	.450
STX=	-621501+000	STY=	-382696+000	TXE=	-157581+000	STI=	-304401+000	STZ=	-699855+000	ALPHA=	116.42
EPX=	-905896-002	EPY=	410220-002	EXY=	-163969-001	EP1=	803441-002	EP2=	-129912-001	ALEPS=	25.62
ELEM	627	TAU=	1988+000	EPG=	2226-001	SII=	-2381-001	EIT=	207+002	YMI=	.450
STX=	-704141+000	STY=	-464471+000	TXE=	-128636+000	STI=	-585496+000	STZ=	-783116+000	ALPHA=	116.47
EPX=	-992183-002	EPY=	-371759-002	EXY=	-175976-001	EP1=	803016-002	EP2=	-142344-001	ALEPS=	26.11
ELEM	628	TAU=	2433+000	EPG=	1993-001	SII=	-9883-003	EIT=	226+002	YMI=	.450
STX=	-950209+000	STY=	-702090+000	TXE=	-209487+000	STI=	-582684+000	STZ=	-106961+001	ALPHA=	119.68
EPX=	-863338-002	EPY=	781444-003	EXY=	-173689-001	EP1=	604037-002	EP2=	-138943-003	ALEPS=	30.90
ELEM	629	TAU=	2445+000	EPG=	2360-001	SII=	-3761-001	EIT=	247+002	YMI=	.450
STX=	-103706+001	STY=	-789536+000	TXE=	-210833+000	STI=	-668821+000	STZ=	-115778+001	ALPHA=	119.79
EPX=	-998535-002	EPY=	-781644-003	EXY=	-209962-001	EP1=	719616-002	EP2=	-163998-001	ALEPS=	31.43
ELEM	630	TAU=	2102+000	EPG=	2142-001	SII=	6362-002	EIT=	229+002	YMI=	.450
STX=	-800990+000	STY=	-767147+000	TXE=	-229621+000	STI=	-553823+000	STZ=	-101431+001	ALPHA=	132.89
EPX=	-374458-002	EPY=	-508219-002	EXY=	-214332-001	EP1=	655223-002	EP2=	-131190-001	ALEPS=	-43.29
ELEM	631	TAU=	2700+000	EPG=	2436-001	SII=	-5088-001	EIT=	295+002	YMI=	.450
STX=	-130654+001	STY=	-116533+001	TXE=	-260866+000	STI=	-264923+000	STZ=	-150695+001	ALPHA=	127.53
EPX=	-255511-001	EPY=	-269211-001	EXY=	-269211-001	EP1=	-269211-001	EP2=	-269211-001	ALEPS=	27.40

STX	-13335+001	STV	-132910+001	TXV	-37485+000	STI	-96266+000	STZ	-171678+001	ALPHA	-44.40
EPX	-511879-002	EPY	-714842-002	EPZ	-322792-001	EP1	100376-001	EP2	-223053-001	ALEPS	-43.20
ELEM	634	IAU	3469+000	EPG	1232-001	SLI	-2503-001	EIT	208+002	YNI	.450
SL										SL	.485
STX	-118562+001	STV	-123178+001	TXV	-346127+000	STI	-861911+000	STZ	-155569+001	ALPHA	-43.10
EPX	-443534-002	EPY	-838632-002	EPZ	-320289-001	EP1	974986+002	EP2	-225715-001	ALEPS	-41.99
ELEM	635	IAU	3988+000	EPG	3572-001	SLI	-1520-001	EIT	201+002	YNI	.450
SL										SL	.524
STX	-142915+001	STV	-141612+001	TXV	-398283+000	STI	-102086+001	STZ	-181858+001	ALPHA	-34.61
EPX	-598493-002	EPY	-838632-002	EPZ	-356444-001	EP1	106716-001	EP2	-250529-001	ALEPS	-43.08
ELEM	636	IAU	4602+000	EPG	4122-001	SLI	1471-001	EIT	192+002	YNI	.450
SL										SL	.558
STX	-153365+001	STV	-166103+001	TXV	-430142+000	STI	-123711+001	STZ	-215758+001	ALPHA	-34.58
EPX	-119853-002	EPY	-192535-001	EPZ	-391822+001	EP1	130537-001	EP2	-281677+001	ALEPS	-35.96
ELEM	637	IAU	4404+000	EPG	4293-001	SLI	-1526-001	EIT	193+002	YNI	.450
SL										SL	.569
STX	-163091+001	STV	-193986+001	TXV	-455880+000	STI	-130498+001	STZ	-226572+001	ALPHA	-35.62
EPX	-163321-002	EPY	-159535-001	EPZ	-404037-001	EP1	133139-001	EP2	-289206-001	ALEPS	-36.53
ELEM	638	IAU	4929+000	EPG	4563-001	SLI	-4327-001	EIT	217+002	YNI	.450
SL										SL	.551
STX	-177011+001	STV	-216973+001	TXV	-450544+000	STI	-147706+001	STZ	-246279+001	ALPHA	-33.04
EPX	-970827-001	EPY	-182392-001	EPZ	-422322+001	EP1	132105-001	EP2	-324204-001	ALEPS	-33.88
ELEM	639	IAU	4700+000	EPG	4321-001	SLI	-2358-001	EIT	211+002	YNI	.450
SL										SL	.548
STX	-159187+001	STV	-204965+001	TXV	-410422+000	STI	-135079+001	STZ	-228074+001	ALPHA	-30.43
EPX	-817870-001	EPY	-182392-001	EPZ	-387842-001	EP1	132933-001	EP2	-303173-001	ALEPS	-31.92
ELEM	640	IAU	5294+000	EPG	4581-001	SLI	-1492-001	EIT	213+002	YNI	.450
SL										SL	.570
STX	-183860+001	STV	-241782+001	TXV	-443136+000	STI	-159883+001	STZ	-265759+001	ALPHA	-28.42
EPX	-217506-002	EPY	-201574-001	EPZ	-395420+001	EP1	132156-001	EP2	-316974-001	ALEPS	-30.27
ELEM	641	IAU	5336+000	EPG	4476-001	SLI	-1572-001	EIT	221+002	YNI	.450
SL										SL	.563
STX	-194628+001	STV	-248143+001	TXV	-452186+000	STI	-166449+001	STZ	-273172+001	ALPHA	-28.96
EPX	-186102-002	EPY	-201574-001	EPZ	-389738-001	EP1	132933-001	EP2	-315299-001	ALEPS	-30.27
ELEM	642	IAU	5314+000	EPG	4250-001	SLI	-2481-001	EIT	236+002	YNI	.450
SL										SL	.554
STX	-208923+001	STV	-266392+001	TXV	-470868+000	STI	-184296+001	STZ	-292820+001	ALPHA	-29.30
EPX	-109563-002	EPY	-221250-001	EPZ	-414330-001	EP1	132337-001	EP2	-342611-001	ALEPS	-30.37
ELEM	643	IAU	5472+000	EPG	5007-001	SLI	-2030-001	EIT	199+002	YNI	.450
SL										SL	.591
STX	-183428+001	STV	-245612+001	TXV	-443409+000	STI	-158843+001	STZ	-268275+001	ALPHA	-27.07
EPX	-260416-002	EPY	-221250-001	EPZ	-435397-001	EP1	182757-001	EP2	-347966-001	ALEPS	-30.20
ELEM	644	IAU	4947+000	EPG	5028-001	SLI	-2711-001	EIT	227+002	YNI	.450
SL										SL	.580
STX	-220647+001	STV	-300958+001	TXV	-454794+000	STI	-200133+001	STZ	-321673+001	ALPHA	-24.28
EPX	-498981-002	EPY	-248211-001	EPZ	-492780-001	EP1	144231-001	EP2	-363044-001	ALEPS	-25.60
ELEM	645	IAU	5328+000	EPG	5110-001	SLI	-5941-002	EIT	173+002	YNI	.450
SL										SL	.616
STX	-353683+001	STV	-230494+001	TXV	-358637+000	STI	-137810+001	STZ	-244371+001	ALPHA	-21.15
EPX	-879943-002	EPY	-267048-001	EPZ	-367451-001	EP1	165951-001	EP2	-345004-001	ALEPS	-22.99
ELEM	646	IAU	5543+000	EPG	4453-001	SLI	9434+002	EIT	265+002	YNI	.450
SL										SL	.529
STX	-218924+001	STV	-293951+001	TXV	-408068+000	STI	-201008+001	STZ	-311867+001	ALPHA	-23.70
EPX	-402235-002	EPY	-252674-001	EPZ	-334233-001	EP1	116256-001	EP2	-328502-001	ALEPS	-24.37
ELEM	647	IAU	5428+000	EPG	5145-001	SLI	-3436-001	EIT	215+002	YNI	.450
SL										SL	.586
STX	-198629+001	STV	-283110+001	TXV	-401815+000	STI	-182614+001	STZ	-299176+001	ALPHA	-21.79
EPX	-696290-002	EPY	-280814-001	EPZ	-376679-001	EP1	151651-001	EP2	-362836-001	ALEPS	-23.53
ELEM	648	IAU	4569+000	EPG	5330-001	SLI	-4529-001	EIT	234+002	YNI	.450
SL										SL	.587
STX	-240048+001	STV	-341861+001	TXV	-415133+000	STI	-225267+001	STZ	-356642+001	ALPHA	-19.60
EPX	-819129-002	EPY	-321819-001	EPZ	-347946-001	EP1	146548-001	EP2	-386447-001	ALEPS	-20.38
ELEM	649	IAU	5646+000	EPG	5464-001	SLI	-2589-001	EIT	164+002	YNI	.450
SL										SL	.638
STX	-126422+001	STV	-250022+001	TXV	-284086+000	STI	-144759+001	STZ	-257625+001	ALPHA	-15.11
EPX	-127973-001	EPY	-317507-001	EPZ	-316315-001	EP1	178419-001	EP2	-367946-001	ALEPS	-17.69
ELEM	650	IAU	6103+000	EPG	4837-001	SLI	-5133-001	EIT	284+002	YNI	.450
SL										SL	.529
STX	-246449+001	STV	-350330+001	TXV	-320399+000	STI	-237362+001	STZ	-359417+001	ALPHA	-15.83
EPX	-815250-002	EPY	-326371-001	EPZ	-262803-001	EP1	120335-001	EP2	-363381-001	ALEPS	-16.45
ELEM	651	IAU	6323+000	EPG	5887-001	SLI	-5741-001	EIT	179+002	YNI	.450
SL										SL	.640
STX	-186266+001	STV	-300022+001	TXV	-275995+000	STI	-329905+001	STZ	-306366+001	ALPHA	-12.94
EPX	-142262-001	EPY	-361043-001	EPZ	-305378-001	EP1	184969-001	EP2	-403742-001	ALEPS	-15.62
ELEM	652	IAU	7161+000	EPG	5970-001	SLI	-9894-001	EIT	227+002	YNI	.450
SL										SL	.608
STX	-251373+001	STV	-342306+001	TXV	-290239+000	STI	-245227+001	STZ	-388453+001	ALPHA	-11.96
EPX	-135297-001	EPY	-403075-001	EPZ	-256082-001	EP1	164845-001	EP2	-432123-001	ALEPS	-12.74
ELEM	653	IAU	4776+000	EPG	6182-001	SLI	-2027-001	EIT	133+002	YNI	.450
SL										SL	.714

STX=	-169336+001	STY=	-299720+001	TX=	-184777+000	STI=	-166768+001	STZ=	-302288+001	ALPHA=	-7.91
EPX=	190695-001	EPY=	-341842-001	EXY=	-206967-001	EP1=	208532-001	EP2=	-409679-001	ALEPS=	-9.78
ELEM	654	TAU=	4819+000	EPG=	5712-001	S1J=	-1393+000	E1I=	241+002	YNI=	4.50
SL=	.587										
STX=	-242042+001	STY=	-374700+001	TX=	-158045+000	STI=	-240185+001	STZ=	-376557+001	ALPHA=	-6.70
EPX=	164585-001	EPY=	-407940-001	EXY=	-144758-001	EP1=	153909-001	EP2=	-417264-001	ALEPS=	-7.36
ELEM	655	TAU=	6903+000	EPG=	5555-001	S1J=	-1486+000	E1I=	298+002	YNI=	4.50
SL=	.538										
STX=	-281584+001	STY=	-412219+001	TX=	536088-001	STI=	-281378+001	STZ=	-419428+001	ALPHA=	2.23
EPX=	125945-001	EPY=	-407940-001	EXY=	412558-002	EP1=	126741-001	EP2=	-408736-001	ALEPS=	2.21
ELEM	656	TAU=	5255+000	EPG=	5555-001	S1J=	3300+002	E1I=	1233+002	YNI=	4.50
SL=	.681										
STX=	-108965+001	STY=	-207006+001	TX=	182435+000	STI=	-105433+001	STZ=	-210539+001	ALPHA=	10.56
EPX=	185172-001	EPY=	-344224-001	EXY=	168199+001	EP1=	198214-001	EP2=	-357331-001	ALEPS=	8.81
ELEM	657	TAU=	1563+001	EPG=	2215-001	S1J=	-1907+000	E1I=	119+003	YNI=	3.50
SL=	.664										
STX=	-240457+001	STY=	-543120+001	TX=	390492+000	STI=	-235495+001	STZ=	-548082+001	ALPHA=	-7.24
EPX=	233426-002	EPY=	-140109-001	EXY=	-592537-002	EP1=	273784-002	EP2=	-194145-001	ALEPS=	-7.76
ELEM	658	TAU=	1224+001	EPG=	2294-001	S1J=	-1082+000	E1I=	674+002	YNI=	3.50
SL=	.779										
STX=	-165946+001	STY=	-416026+001	TX=	245923+000	STI=	-163551+001	STZ=	-418422+001	ALPHA=	-5.56
EPX=	324306-002	EPY=	-190580-001	EXY=	-543863+002	EP1=	357223+002	EP2=	-193872-001	ALEPS=	-6.88
ELEM	659	TAU=	1240+001	EPG=	2664-001	S1J=	-1711+000	E1I=	751+002	YNI=	4.00
SL=	.755										
STX=	-210086+001	STY=	-456125+001	TX=	352053+000	STI=	-209113+001	STZ=	-552101+001	ALPHA=	-3.60
EPX=	535058-002	EPY=	-210790-001	EXY=	-335494-002	EP1=	545667-002	EP2=	-211850-001	ALEPS=	-3.62
ELEM	660	TAU=	1190+001	EPG=	3129-001	S1J=	-1391+000	E1I=	402+002	YNI=	4.00
SL=	.850										
STX=	-171509+001	STY=	-408813+001	TX=	888538-001	STI=	-171177+001	STZ=	-409145+001	ALPHA=	-2.14
EPX=	731842-002	EPY=	-257141-001	EXY=	-402222-002	EP1=	744821-002	EP2=	-238439-001	ALEPS=	-3.69
ELEM	661	TAU=	1345+001	EPG=	4028-001	S1J=	-2390+000	E1I=	651+002	YNI=	4.00
SL=	.793										
STX=	-217302+001	STY=	-480364+001	TX=	463469-002	STI=	-217302+001	STZ=	-486365+001	ALPHA=	1.10
EPX=	656892-007	EPY=	-237141-001	EXY=	271360-004	EP1=	656891-002	EP2=	-237141-001	ALEPS=	.03
ELEM	662	TAU=	1466+001	EPG=	3429-001	S1J=	-2232+000	E1I=	464+002	YNI=	4.00
SL=	.860										
STX=	-218516+001	STY=	-511586+001	TX=	300500-001	STI=	-218485+001	STZ=	-511617+001	ALPHA=	-1.59
EPX=	779263-002	EPY=	-264631-001	EXY=	-142642-002	EP1=	780896+002	EP2=	-264727-001	ALEPS=	-1.25
ELEM	663	TAU=	1147+001	EPG=	3482-001	S1J=	-1349+000	E1I=	330+002	YNI=	4.00
SL=	.873										
STX=	-158594+001	STY=	-386320+001	TX=	336154+000	STI=	-157788+001	STZ=	-382181+001	ALPHA=	3.41
EPX=	814936-002	EPY=	-264611-001	EXY=	383806-002	EP1=	825541-002	EP2=	-265674-001	ALEPS=	3.16
ELEM	664	TAU=	1332+001	EPG=	3406-001	S1J=	-1533+000	E1I=	474+002	YNI=	4.00
SL=	.843										
STX=	-200640+001	STY=	-464563+001	TX=	172238+000	STI=	-199321+001	STZ=	-465681+001	ALPHA=	3.72
EPX=	782630-002	EPY=	-200004-001	EXY=	403544-002	EP1=	794503+002	EP2=	-261193-001	ALEPS=	3.38
ELEM	665	TAU=	1312+001	EPG=	3458-001	S1J=	-1640+000	E1I=	477+002	YNI=	4.00
SL=	.839										
STX=	-199520+001	STY=	-454065+001	TX=	225029+000	STI=	-196604+001	STZ=	-454881+001	ALPHA=	6.05
EPX=	765597-002	EPY=	-260006-001	EXY=	793333-002	EP1=	811715-002	EP2=	-264618-001	ALEPS=	6.63
ELEM	666	TAU=	1213+001	EPG=	3927-001	S1J=	-1392+000	E1I=	401+002	YNI=	4.00
SL=	.854										
STX=	-176748+001	STY=	-415850+001	TX=	215729+000	STI=	-174817+001	STZ=	-417281+001	ALPHA=	5.11
EPX=	829028-002	EPY=	-303367-001	EXY=	586073-002	EP1=	851019+002	EP2=	-307566-001	ALEPS=	5.29
ELEM	667	TAU=	1122+001	EPG=	4012-001	S1J=	-1599+000	E1I=	418+002	YNI=	4.00
SL=	.835										
STX=	-167889+001	STY=	-381852+001	TX=	343768+000	STI=	-162558+001	STZ=	-386988+001	ALPHA=	8.87
EPX=	777804-002	EPY=	-305367-001	EXY=	119066-001	EP1=	868174-002	EP2=	-314404-001	ALEPS=	8.63
ELEM	668	TAU=	1142+001	EPG=	3112-001	S1J=	-1134+000	E1I=	527+002	YNI=	4.00
SL=	.800										
STX=	-184699+001	STY=	-394460+001	TX=	451762+000	STI=	-175381+001	STZ=	-403775+001	ALPHA=	11.65
EPX=	580013-002	EPY=	-228939-001	EXY=	126411-001	EP1=	701215+002	EP2=	-241060-001	ALEPS=	11.38
ELEM	669	TAU=	1130+001	EPG=	3103-001	S1J=	-1664+000	E1I=	673+002	YNI=	4.00
SL=	.757										
STX=	-196591+001	STY=	-500840+001	TX=	482714+000	STI=	-185672+001	STZ=	-411759+001	ALPHA=	12.70
EPX=	509451-002	EPY=	-228939-001	EXY=	133884-001	EP1=	661321-002	EP2=	-244726-001	ALEPS=	12.78
ELEM	670	TAU=	9409+000	EPG=	3149-001	S1J=	-6721+001	E1I=	749+002	YNI=	4.00
SL=	.703										
STX=	-170876+001	STY=	-360567+001	TX=	606400+000	STI=	-161644+001	STZ=	-349817+001	ALPHA=	12.80
EPX=	431334-002	EPY=	-243344-001	EXY=	106059-001	EP1=	523351+002	EP2=	-262543-001	ALEPS=	9.84
ELEM	671	TAU=	4306+000	EPG=	3234-001	S1J=	-1027+000	E1I=	732+002	YNI=	4.00
SL=	.682										
STX=	-152576+001	STY=	-299251+001	TX=	390134+000	STI=	-142844+001	STZ=	-308973+001	ALPHA=	14.01
EPX=	586826-002	EPY=	-243344-001	EXY=	106059-001	EP1=	523351+002	EP2=	-262543-001	ALEPS=	9.84

STX=	-.274867+000	STY=	-.593955+000	TXY=	-.123227+000	STZ=	-.232819+000	ST2=	-.636003+000	ALPHA=-18.84			
EPX=	-.923460-002	EPY=	-.491356-002	EPZ=	-.216391-001	EP1=	-.107664-001	EP2=	-.150875-001	ALEPS=28.41			
ELEM	694	IAUX	3661+000	EBG=	.2228-001	ST1=	-.4193+002	E1Z=	-.207+002	Y1Z=	4.00	SL=	.702
STX=	-.531952+000	STY=	-.864325+000	TXY=	-.331184+000	STZ=	-.361915+000	ST2=	-.107474+001	ALPHA=-32.38			
EPX=	-.123525-002	EPY=	-.290332-002	EPZ=	-.264532-001	EP1=	-.907262-002	EP2=	-.182118-001	ALEPS=-37.93			
ELEM	695	IAUX	1789+000	EBG=	.2035-001	ST1=	-.5012+001	E1Z=	-.121+003	Y1Z=	4.00	SL=	.242
STX=	-.732254+000	STY=	-.846232+000	TXY=	-.159333+000	STZ=	-.619304+000	ST2=	-.957182+000	ALPHA=-35.32			
EPX=	-.493990-002	EPY=	-.209007-001	EPZ=	-.121000-001	EP1=	-.254573-002	EP2=	-.228949-000	ALEPS=-18.24			
ELEM	696	IAUX	1962+000	EBG=	.2029-001	ST1=	-.6841+001	E1Z=	-.143+003	Y1Z=	4.00	SL=	.247
STX=	-.987685+000	STY=	-.956958+000	TXY=	-.194400+000	STZ=	-.768076+000	ST2=	-.115857+001	ALPHA=131.29			
EPX=	-.613482-002	EPY=	-.203020-001	EPZ=	-.145361-001	EP1=	-.307837-002	EP2=	-.233715-001	ALEPS=-22.88			
ELEM	697	IAUX	1842+000	EBG=	.1733-001	ST1=	-.5395+001	E1Z=	-.173+003	Y1Z=	4.00	SL=	.212
STX=	-.105394+001	STY=	-.108303+001	TXY=	-.183669+000	STZ=	-.894242+000	ST2=	-.125223+001	ALPHA=-42.74			
EPX=	-.156844-002	EPY=	-.173450-001	EPZ=	-.716016-002	EP1=	-.794047-003	EP2=	-.181194-001	ALEPS=-12.21			
ELEM	698	IAUX	3306+000	EBG=	.1860-001	ST1=	-.2600+000	E1Z=	-.116+003	Y1Z=	4.00	SL=	.385
STX=	-.118875+001	STY=	-.120655+001	TXY=	-.330477+000	STZ=	-.867057+000	ST2=	-.152825+001	ALPHA=-44.23			
EPX=	-.198329-002	EPY=	-.152745-001	EPZ=	-.117309-001	EP1=	-.921171-003	EP2=	-.178290-001	ALEPS=-19.30			
ELEM	699	IAUX	4343+000	EBG=	.2028-001	ST1=	-.1187+000	E1Z=	-.138+003	Y1Z=	4.00	SL=	.415
STX=	-.198476+001	STY=	-.150766+001	TXY=	-.425196+000	STZ=	-.116177+001	ST2=	-.203063+001	ALPHA=129.11			
EPX=	-.357217-002	EPY=	-.109889-001	EPZ=	-.152088-001	EP1=	-.140071-003	EP2=	-.204210-001	ALEPS=-24.29			
ELEM	700	IAUX	4121+000	EBG=	.2263-001	ST1=	-.1795+001	E1Z=	-.147+003	Y1Z=	4.00	SL=	.402
STX=	-.140507+001	STY=	-.187090+001	TXY=	-.363899+000	STZ=	-.120591+001	ST2=	-.207004+001	ALPHA=-28.69			
EPX=	-.722257-003	EPY=	-.190690+001	EPZ=	-.109288-001	EP1=	-.219889+002	EP2=	-.204752-001	ALEPS=-14.54			
ELEM	701	IAUX	1495+000	EBG=	.1800-001	ST1=	-.8904-001	E1Z=	-.152+003	Y1Z=	4.00	SL=	.351
STX=	-.141795+001	STY=	-.144494+001	TXY=	-.369232+000	STZ=	-.108193+001	ST2=	-.178096+001	ALPHA=-53.89			
EPX=	-.299932-002	EPY=	-.172261-001	EPZ=	-.110284-001	EP1=	-.111234-002	EP2=	-.191130-001	ALEPS=-18.89			
ELEM	702	IAUX	5790+000	EBG=	.2358+001	ST1=	.2969+003	E1Z=	-.775+002	Y1Z=	4.00	SL=	.592
STX=	-.121719+001	STY=	-.204915+001	TXY=	-.402836+000	STZ=	-.105412+001	ST2=	-.221222+001	ALPHA=-22.04			
EPX=	-.190034-002	EPY=	-.161611-001	EPZ=	-.155660-001	EP1=	-.429214-002	EP2=	-.219129-001	ALEPS=-20.84			
ELEM	703	IAUX	5366+000	EBG=	.7665-001	ST1=	-.7339-001	E1Z=	-.992+002	Y1Z=	4.00	SL=	.526
STX=	-.144174+001	STY=	-.186742+001	TXY=	-.492562+000	STZ=	-.111802+001	ST2=	-.219120+001	ALPHA=-33.31			
EPX=	-.292085-002	EPY=	-.183971-001	EPZ=	-.214053-001	EP1=	-.286685-002	EP2=	-.237840-001	ALEPS=-26.72			
ELEM	704	IAUX	7924+000	EBG=	.1055-001	ST1=	.9973+002	E1Z=	-.606+002	Y1Z=	4.00	SL=	.709
STX=	-.140772+001	STY=	-.275367+001	TXY=	-.427650+000	STZ=	-.128334+001	ST2=	-.287805+001	ALPHA=-16.22			
EPX=	-.296099-002	EPY=	-.192459+001	EPZ=	-.209863-001	EP1=	-.733476-002	EP2=	-.234192-001	ALEPS=-21.69			
ELEM	705	IAUX	4889+000	EBG=	.2790-001	ST1=	-.7015-001	E1Z=	-.893+002	Y1Z=	4.00	SL=	.525
STX=	-.119133+001	STY=	-.174726+001	TXY=	-.401967+000	STZ=	-.980690+000	ST2=	-.195860+001	ALPHA=-27.66			
EPX=	-.804105-003	EPY=	-.190981-001	EPZ=	-.211762-001	EP1=	-.396858-002	EP2=	-.239308-001	ALEPS=-24.59			
ELEM	706	IAUX	4899+000	EBG=	.3060-001	ST1=	-.4137+003	E1Z=	-.431+002	Y1Z=	4.00	SL=	.738
STX=	-.114781+001	STY=	-.220420+001	TXY=	-.443768+000	STZ=	-.986137+000	ST2=	-.236587+001	ALPHA=-20.02			
EPX=	-.167310-002	EPY=	-.190213-001	EPZ=	-.225384-001	EP1=	-.662490-002	EP2=	-.239731-001	ALEPS=-23.72			
ELEM	707	IAUX	4722+000	EBG=	.4381-001	ST1=	.3709+002	E1Z=	-.231+002	Y1Z=	4.50	SL=	.530
STX=	-.156041+001	STY=	-.232119+001	TXY=	-.279218+000	STZ=	-.146063+001	ST2=	-.245129+001	ALPHA=-18.16			
EPX=	-.806250-002	EPY=	-.261333-001	EPZ=	-.273812-001	EP1=	-.128681-001	EP2=	-.309390-001	ALEPS=-19.34			
ELEM	708	IAUX	4805+000	EBG=	.4619-001	ST1=	.8133+002	E1Z=	-.193+002	Y1Z=	4.50	SL=	.569
STX=	-.144361+001	STY=	-.212792+001	TXY=	-.337167+000	STZ=	-.130525+001	ST2=	-.226628+001	ALPHA=-22.30			
EPX=	-.713441-002	EPY=	-.240755-001	EPZ=	-.343101-001	EP1=	-.147231-001	EP2=	-.251663-001	ALEPS=-23.86			
ELEM	709	IAUX	4953+000	EBG=	.5518-001	ST1=	-.8128-001	E1Z=	-.273+002	Y1Z=	4.50	SL=	.557
STX=	-.161088+001	STY=	-.230106+001	TXY=	-.359566+000	STZ=	-.146063+001	ST2=	-.245131+001	ALPHA=-22.92			
EPX=	-.736885-002	EPY=	-.295105-001	EPZ=	-.410510-001	EP1=	-.165212-001	EP2=	-.386628-001	ALEPS=-24.03			
ELEM	710	IAUX	5939+000	EBG=	.3535-001	ST1=	-.2114-001	E1Z=	-.199+002	Y1Z=	4.50	SL=	.606
STX=	-.185176+001	STY=	-.288223+001	TXY=	-.295287+000	STZ=	-.177316+001	ST2=	-.296086+001	ALPHA=-14.91			
EPX=	-.122850-001	EPY=	-.339044-001	EPZ=	-.305036-001	EP1=	-.168667-001	EP2=	-.384861-001	ALEPS=-16.72			
ELEM	711	IAUX	4945+000	EBG=	.3645-001	ST1=	-.9408-001	E1Z=	-.212+002	Y1Z=	4.50	SL=	.557
STX=	-.132382+001	STY=	-.232782+001	TXY=	-.247752+000	STZ=	-.145528+001	ST2=	-.264436+001	ALPHA=-15.03			

STX=	-162675+001	STY=	-278975+001	TXV=	-312011+000	STI=	-154655+001	STZ=	-286805+001	ALPHA=-14.09			
EPX=	191058-001	EPY=	-433729-001	EXY=	-408559-001	EP1=	251921-001	EP2=	-494591-001	ALEPS=-16.59			
ELEM	718	TAU=	82994000	EPG=	8448-001	SII=	6704-001	EII=	141002	YMI=	430	SL=	.689
STX=	-157149+001	STY=	-277994+001	TXV=	-177901+000	STI=	-154584+001	STZ=	-280558+001	ALPHA=-8.20			
EPX=	-203876-001	EPY=	-433729-001	EXY=	-249251-001	EP1=	227370-001	EP2=	-457222-001	ALEPS=-10.68			
ELEM	715	TAU=	6655+000	EPG=	6527-001	SII=	-9645-001	EII=	147+002	YMI=	450	SL=	.691
STX=	-175388+001	STY=	-301323+001	TXV=	-215445+000	STI=	-171804+001	STZ=	-304907+001	ALPHA=-9.44			
EPX=	-188336-001	EPY=	-414192-001	EXY=	-250835-001	EP1=	213399-001	EP2=	-439255-001	ALEPS=-11.30			
ELEM	716	TAU=	67284000	EPG=	5908+001	SII=	1001+000	EII=	1963+002	YMI=	450	SL=	.631
STX=	-206967+001	STY=	-341312+001	TXV=	-374862+001	STI=	-206865+001	STZ=	-341416+001	ALPHA=1.60			
EPX=	-176688-001	EPY=	-434192-001	EXY=	-130936+003	EP1=	176608-001	EP2=	-441493-001	ALEPS=-.06			
ELEM	717	TAU=	6730+000	EPG=	7888-001	SII=	-8773-001	EII=	104+002	YMI=	450	SL=	.759
STX=	-145131+001	STY=	-229581+001	TXV=	-312805+001	STI=	-145059+001	STZ=	-272655+001	ALPHA=1.33			
EPX=	-274447-001	EPY=	-514766-001	EXY=	-181256-002	EP1=	274559-001	EP2=	-514270-001	ALEPS=-.66			
ELEM	718	TAU=	6609+000	EPG=	8762+001	SII=	6650-001	EII=	832+001	YMI=	450	SL=	.797
STX=	-133150+001	STY=	-250097+001	TXV=	-308118+000	STI=	-125529+001	STZ=	-257719+001	ALPHA=13.89			
EPX=	-271265-001	EPY=	-514164-001	EXY=	-189491-001	EP1=	316882-001	EP2=	-558802-001	ALEPS=13.19			
ELEM	719	TAU=	1495+001	EPG=	2271-001	SII=	-2251+000	EII=	948+002	YMI=	350	SL=	.715
STX=	-210767+001	STY=	-506552+001	TXV=	-224722+000	STI=	-209068+001	STZ=	-508057+001	ALPHA=-4.32			
EPX=	-327801-002	EPY=	-190693-001	EXY=	-405216-002	EP1=	345863-002	EP2=	-192497-001	ALEPS=-5.11			
ELEM	720	TAU=	9763+000	EPG=	2755+001	SII=	6721-001	EII=	233+002	YMI=	350	SL=	.950
STX=	-104511+001	STY=	-292627+001	TXV=	-261661+000	STI=	-100939+001	STZ=	-296199+001	ALPHA=-7.77			
EPX=	-518632-002	EPY=	-207385-001	EXY=	-232926+002	EP1=	599823-002	EP2=	-215524-001	ALEPS=-9.90			
ELEM	721	TAU=	1279+001	EPG=	3146-001	SII=	-2621+000	EII=	542+002	YMI=	400	SL=	.815
STX=	-198475+001	STY=	-452513+001	TXV=	-149019+000	STI=	-192603+001	STZ=	-453384+001	ALPHA=-1.35			
EPX=	-732503-002	EPY=	-238624-001	EXY=	-415281-002	EP1=	746344-002	EP2=	-240000-001	ALEPS=-3.79			
ELEM	722	TAU=	3062+001	EPG=	3195+001	SII=	1714+000	EII=	358+002	YMI=	400	SL=	.847
STX=	-166319+001	STY=	-354485+001	TXV=	-113457+000	STI=	-145702+001	STZ=	-355101+001	ALPHA=-3.11			
EPX=	-780867-002	EPY=	-238287-001	EXY=	-412552+002	EP1=	746239-002	EP2=	-249124-001	ALEPS=-3.71			
ELEM	723	TAU=	1077+001	EPG=	3277-001	SII=	-2038+000	EII=	382+002	YMI=	400	SL=	.841
STX=	-152928+001	STY=	-367697+001	TXV=	-825166+001	STI=	-152521+001	STZ=	-368053+001	ALPHA=-2.33			
EPX=	-794912-002	EPY=	-246687-001	EXY=	-511990-002	EP1=	802355-002	EP2=	-247431-001	ALEPS=-2.73			
ELEM	724	TAU=	1223+001	EPG=	3291-001	SII=	-2164+000	EII=	421+002	YMI=	400	SL=	.854
STX=	-185636+001	STY=	-439709+001	TXV=	-803141-001	STI=	-185384+001	STZ=	-439963+001	ALPHA=1.61			
EPX=	-816972-002	EPY=	-246687-001	EXY=	-223983+002	EP1=	820802-002	EP2=	-247208-001	ALEPS=1.95			
ELEM	725	TAU=	1220+001	EPG=	4123-001	SII=	-1853+000	EII=	221+002	YMI=	400	SL=	.935
STX=	-156489+001	STY=	-400494+001	TXV=	-264823+001	STI=	-356660+001	STZ=	-400523+001	ALPHA=-.82			
EPX=	-106889-001	EPY=	-365358-001	EXY=	-537257-003	EP1=	104904-001	EP2=	-395375-001	ALEPS=-.37			
ELEM	726	TAU=	1143+001	EPG=	4224-001	SII=	-1894+000	EII=	216+002	YMI=	400	SL=	.929
STX=	-146639+001	STY=	-371433+001	TXV=	-207121+000	STI=	-146747+001	STZ=	-373325+001	ALPHA=5.22			
EPX=	-194869-001	EPY=	-305358-001	EXY=	-100814-001	EP1=	110922-001	EP2=	-311461-001	ALEPS=6.90			
ELEM	727	TAU=	1054+001	EPG=	3469-001	SII=	-3474+000	EII=	367+002	YMI=	400	SL=	.844
STX=	-149776+001	STY=	-356200+001	TXV=	-213090+000	STI=	-147599+001	STZ=	-358372+001	ALPHA=5.83			
EPX=	-811039-002	EPY=	-256301-001	EXY=	-804263-002	EP1=	658694-002	EP2=	-261027-001	ALEPS=6.70			
ELEM	728	TAU=	1119+001	EPG=	3413-001	SII=	-1718+000	EII=	385+002	YMI=	400	SL=	.847
STX=	-167886+001	STY=	-374473+001	TXV=	-421319+000	STI=	-188949+001	STZ=	-382709+001	ALPHA=11.06			
EPX=	-758091-002	EPY=	-256301-001	EXY=	-142371-001	EP1=	949242-002	EP2=	-270916-001	ALEPS=11.60			
ELEM	729	TAU=	9253+000	EPG=	5492-001	SII=	-1463+000	EII=	470+002	YMI=	400	SL=	.782
STX=	-145118+001	STY=	-314936+001	TXV=	-362718+000	STI=	-137498+001	STZ=	-322557+001	ALPHA=11.71			
EPX=	-628900-002	EPY=	-266074-001	EXY=	-117075-001	EP1=	729964-002	EP2=	-276180-001	ALEPS=9.80			
ELEM	730	TAU=	9090+000	EPG=	3541-001	SII=	-1729+000	EII=	515+002	YMI=	400	SL=	.763
STX=	-146494+001	STY=	-312733+001	TXV=	-367958+000	STI=	-138716+001	STZ=	-320513+001	ALPHA=11.94			
EPX=	-591533-002	EPY=	-266074-001	EXY=	-140135-001	EP1=	736105-002	EP2=	-280531-001	ALEPS=11.66			
ELEM	731	TAU=	7800+000	EPG=	2576-001	SII=	-7225-001	EII=	633+002	YMI=	400	SL=	.696
STX=	-136366+001	STY=	-225000+001	TXV=	-352566+000	STI=	-327682+001	STZ=	-283629+001	ALPHA=13.64			
EPX=	-612292-002	EPY=	-190388-001	EXY=	-112780-001	EP1=	562284-002	EP2=	-203387-001	ALEPS=12.98			
ELEM	732	TAU=	8108+000	EPG=	2485+001	SII=	-9604+001	EII=	672+002	YMI=	400	SL=	.693
STX=	-147433+001	STY=	-285534+001	TXV=	-424959+000	STI=	-135404+001	STZ=	-297562+001	ALPHA=15.80			
EPX=	-373727-002	EPY=	-190388-001	EXY=	-142165+001	EP1=	577310-002	EP2=	-210746-001	ALEPS=15.98			
ELEM	733	TAU=	6559+000	EPG=	3180-001	SII=	-4926-001	EII=	454+002	YMI=	400	SL=	.719

STX	-101652+001	STY	-219980+001	TXY	283150+000	STI	-952242+000	STZ	-226408+001	ALPHA	12.79
EPX	503943-002	EPY	-242244-001	EPZ	124450-001	EP1	630779-002	EP2	-254926-001	ALEPS	11.52
ELEM	734	TAU	7181+000	EPG	3303-001	STI	-8253-001	STZ	734+002	YNT	400
STX	-137695+001	STY	-256036+001	TXY	407186+000	STI	-125038+001	STZ	-268693+001	ALPHA	17.27
EPX	331900-002	EPY	-242244-001	EPZ	182334-001	EP1	609423-002	EP2	-269691-001	ALEPS	16.75
ELEM	735	TAU	6581+000	EPG	2518-001	STI	-3667-001	STZ	660+002	YNT	400
STX	-127306+001	STY	-225127+001	TXY	450136+000	STI	-110422+001	STZ	-242202+001	ALPHA	20.99
EPX	227932-002	EPY	-177840-001	EPZ	152152-001	EP1	483711-002	EP2	-203418-001	ALEPS	18.59
ELEM	736	TAU	6235+000	EPG	2836-001	STI	-2210-001	STZ	508+002	YNT	400
STX	-119060+001	STY	-194337+001	TXY	497066+000	STI	-943477+000	STZ	-219049+001	ALPHA	26.43
EPX	114524-002	EPY	-172840-001	EPZ	211162-001	EP1	589400-002	EP2	-224981-001	ALEPS	24.06
ELEM	737	TAU	5485+000	EPG	2043-001	STI	-4954-001	STZ	689+002	YNT	400
STX	-148751+001	STY	-151065+001	TXY	568359+000	STI	-950401+000	STZ	-204756+001	ALPHA	44.50
EPX	-436137-002	EPY	-799718-002	EPZ	200989-001	EP1	403327-002	EP2	-163918-001	ALEPS	39.87
ELEM	738	TAU	3128+000	EPG	1122-001	STI	-6002-001	STZ	109+003	YNT	400
STX	-106856+001	STY	-118540+001	TXY	312330+000	STI	-809230+000	STZ	-144474+001	ALPHA	39.70
EPX	-119625-002	EPY	-292718-002	EPZ	119091-001	EP1	226182-002	EP2	-114533-001	ALEPS	30.13
ELEM	739	TAU	3160+000	EPG	1104-001	STI	-3417-001	STZ	102+003	YNT	400
STX	-107265+001	STY	-106632+001	TXY	311898+000	STI	-765310+000	STZ	-139346+001	ALPHA	44.38
EPX	-263377-002	EPY	-672179-002	EPZ	132232-001	EP1	224036-002	EP2	-115993-001	ALEPS	36.42
ELEM	740	TAU	3360+000	EPG	1829-001	STI	-1747-001	STZ	637+002	YNT	400
STX	-643096+000	STY	-978707+000	TXY	288740+000	STI	-476276+000	STZ	-114488+001	ALPHA	29.92
EPX	-117089-002	EPY	-203951-002	EPZ	178422-001	EP1	527612-002	EP2	-135147-001	ALEPS	35.88
ELEM	741	TAU	1998+000	EPG	2134-001	STI	-1994-001	STZ	493+002	YNT	400
STX	-397727+000	STY	-630163+000	TXY	160388+000	STI	-312106+000	STZ	-716803+000	ALPHA	26.09
EPX	-363640-002	EPY	-325935-002	EPZ	213166-001	EP1	722279-002	EP2	-141169-001	ALEPS	44.50
ELEM	742	TAU	3253+000	EPG	1218-001	STI	-8083-002	STZ	232+002	YNT	400
STX	-545106+000	STY	-875725+000	TXY	295837+000	STI	-355103+000	STZ	-100573+001	ALPHA	32.71
EPX	-231920-002	EPY	-325935-002	EPZ	171569-001	EP1	580200-002	EP2	-111806-001	ALEPS	43.43
ELEM	743	TAU	2164+000	EPG	1605-001	STI	-7625-002	STZ	197+002	YNT	350
STX	-527349+000	STY	-239012+000	TXY	163408+000	STI	-166762+000	STZ	-529599+000	ALPHA	62.89
EPX	-276802-002	EPY	-447507-002	EPZ	159611-001	EP1	440454-002	EP2	-116476-001	ALEPS	41.95
ELEM	744	TAU	2293+000	EPG	1360-001	STI	-1114-001	STZ	372+002	YNT	350
STX	-586038+000	STY	-654375+000	TXY	271403+000	STI	-240934+000	STZ	-799480+000	ALPHA	51.82
EPX	-587415-002	EPY	-170342-002	EPZ	108252-001	EP1	201163-002	EP2	-958919-002	ALEPS	34.46
ELEM	745	TAU	1823+000	EPG	1236-001	STI	-2825-002	STZ	119+002	YNT	350
STX	-217778+000	STY	-313844+000	TXY	173002+000	STI	-805201-001	STZ	-445102+000	ALPHA	36.87
EPX	-500829-002	EPY	-136979-002	EPZ	120246-001	EP1	309249-002	EP2	-947058-002	ALEPS	36.58
ELEM	746	TAU	4032+000	EPG	1260-001	STI	-2887-002	STZ	112+002	YNT	350
STX	-382371+000	STY	-271450+000	TXY	-399848+000	STI	-768520-001	STZ	-736473+000	ALPHA	31.06
EPX	-523767-002	EPY	-235717-002	EPZ	-100642-001	EP1	485592-002	EP2	-723642-002	ALEPS	26.50
ELEM	747	TAU	3796+000	EPG	1905-001	STI	-7491-002	STZ	834+001	YNT	350
STX	-729754+000	STY	-284326+001	TXY	199624+001	STI	289572-001	STZ	-730279+000	ALPHA	88.49
EPX	-869527-002	EPY	-531672-003	EPZ	-166633-001	EP1	544167-002	EP2	-136055-001	ALEPS	30.51
ELEM	748	TAU	3166+000	EPG	1266-001	STI	-7700-002	STZ	820+001	YNT	350
STX	-331627-001	STY	-661017+000	TXY	164244-001	STI	-327133-001	STZ	-661447+000	ALPHA	1.50
EPX	-102149-001	EPY	-389642-002	EPZ	-107172-001	EP1	-833379-003	EP2	-132259-001	ALEPS	29.74
ELEM	749	TAU	2239+000	EPG	4903-002	STI	-8367-003	STZ	113+002	YNT	350
STX	-268148+000	STY	-421883-001	TXY	193289+000	STI	-686685-001	STZ	-379205+000	ALPHA	60.16
EPX	-434494-002	EPY	-542080-003	EPZ	-399912-003	EP1	550248-003	EP2	-435310-002	ALEPS	2.34
ELEM	750	TAU	2894+000	EPG	3198-001	STI	-2611-003	STZ	764+001	YNT	400
STX	-195976+003	STY	-575516+000	TXY	-316450-001	STI	193017-002	STZ	-57250+000	ALPHA	3.14
EPX	-253508-002	EPY	-246503-001	EPZ	-250327-001	EP1	348475-002	EP2	-284907-001	ALEPS	25.76
ELEM	751	TAU	1606+000	EPG	1285-001	STI	-2850-003	STZ	766+001	YNT	400
STX	-118567-003	STY	-714564+000	TXY	-232511-001	STI	-125598-002	STZ	-719836+000	ALPHA	1.85

STX=	-90386+000	STY=	-918630+000	TX=	-208303+000	STI=	-702808+000	STZ=	-111965+001	ALPHA=	-43.98
EPX=	-392973+002	EPY=	-927076+002	EPZ=	-987960+002	EP1=	-942791+001	EP2=	-122157+001	ALEPS=	-30.80
ELEM	754	IAU=	2120+000	EPG=	1204+001	SLI=	-5761+001	YNI=	107+003	YNI=	.400
SL=	.303										
STX=	-788361+000	STY=	-877882+000	TX=	-207253+000	STI=	-21091+000	STZ=	-104515+001	ALPHA=	-38.91
EPX=	-362345+002	EPY=	-111134+001	EPZ=	-153052+001	EP1=	-11732+002	EP2=	-128884+001	ALEPS=	-31.96
ELEM	755	IAU=	1251+000	EPG=	1764+001	SLI=	-6451+001	YNI=	129+003	YNI=	.400
SL=	.363										
STX=	-125844+001	STY=	-124301+001	TX=	-322014+000	STI=	-92495+000	STZ=	-127486+001	ALPHA=	13.23
EPX=	-31960+002	EPY=	-110113+001	EPZ=	-158134+001	EP1=	-17354+002	EP2=	-159234+001	ALEPS=	-31.85
ELEM	756	IAU=	4226+000	EPG=	1534+001	SLI=	-7175+001	YNI=	128+003	YNI=	.400
SL=	.457										
STX=	-158240+001	STY=	-182104+001	TX=	-477866+000	STI=	-120916+001	STZ=	-219428+001	ALPHA=	-37.99
EPX=	-156170+002	EPY=	-107459+001	EPZ=	-120235+001	EP1=	-140717+002	EP2=	-137348+001	ALEPS=	-26.28
ELEM	757	IAU=	1965+000	EPG=	3313+001	SLI=	-4032+001	YNI=	305+002	YNI=	.400
SL=	.450										
STX=	-215220+000	STY=	-597069+000	TX=	-666400+001	STI=	-209604+000	STZ=	-602683+000	ALPHA=	-6.86
EPX=	-326202+002	EPY=	-213788+001	EPZ=	-277423+001	EP1=	-424661+002	EP2=	-288876+001	ALEPS=	-28.43
ELEM	758	IAU=	6203+000	EPG=	3162+001	SLI=	-6488+001	YNI=	170+003	YNI=	.400
SL=	.474										
STX=	-200879+001	STY=	-296760+001	TX=	-496800+000	STI=	-179789+001	STZ=	-317850+001	ALPHA=	-23.01
EPX=	-168927+002	EPY=	-265482+001	EPZ=	-138711+001	EP1=	-32455+002	EP2=	-281618+001	ALEPS=	-13.10
ELEM	759	IAU=	1919+000	EPG=	3365+001	SLI=	-1057+000	YNI=	106+003	YNI=	.400
SL=	.282										
STX=	-686995+000	STY=	-874244+000	TX=	-166250+000	STI=	-588033+000	STZ=	-971762+000	ALPHA=	-30.18
EPX=	-977300+002	EPY=	-301717+001	EPZ=	-267634+001	EP1=	-316687+002	EP2=	-367978+001	ALEPS=	-26.34
ELEM	760	IAU=	5061+000	EPG=	4367+001	SLI=	-1294+001	YNI=	200+002	YNI=	.400
SL=	.819										
STX=	-799790+000	STY=	-154642+001	TX=	-425612+000	STI=	-600969+000	STZ=	-173924+001	ALPHA=	-24.37
EPX=	-101558+002	EPY=	-289582+001	EPZ=	-335001+001	EP1=	-624818+002	EP2=	-367222+001	ALEPS=	-25.00
ELEM	761	IAU=	4939+000	EPG=	3447+001	SLI=	-6315+001	YNI=	188+002	YNI=	.450
SL=	.583										
STX=	-153424+001	STY=	-210615+001	TX=	-385446+000	STI=	-131622+001	STZ=	-230413+001	ALPHA=	-26.52
EPX=	-530059+002	EPY=	-247593+001	EPZ=	-454264+001	EP1=	-175063+001	EP2=	-369652+001	ALEPS=	-28.25
ELEM	762	IAU=	4947+000	EPG=	5202+001	SLI=	-1438+001	YNI=	198+002	YNI=	.450
SL=	.573										
STX=	-148897+001	STY=	-245015+001	TX=	-316109+000	STI=	-137482+001	STZ=	-236431+001	ALPHA=	-19.86
EPX=	-982509+002	EPY=	-294844+001	EPZ=	-354232+001	EP1=	-166280+001	EP2=	-382875+001	ALEPS=	-21.01
ELEM	763	IAU=	4701+000	EPG=	7518+001	SLI=	-7673+001	YNI=	880+001	YNI=	.450
SL=	.717										
STX=	-757337+000	STY=	-162574+001	TX=	-291069+000	STI=	-658399+000	STZ=	-159668+001	ALPHA=	-12.13
EPX=	-158943+001	EPY=	-331949+001	EPZ=	-552422+001	EP1=	-278967+001	EP2=	-472873+001	ALEPS=	-23.64
ELEM	764	IAU=	6310+000	EPG=	7932+001	SLI=	-6713+001	YNI=	101+002	YNI=	.450
SL=	.754										
STX=	-139260+001	STY=	-243204+001	TX=	-357845+000	STI=	-128135+001	STZ=	-254332+001	ALPHA=	-17.27
EPX=	-186174+001	EPY=	-434401+001	EPZ=	-518101+001	EP1=	-282471+001	EP2=	-510700+001	ALEPS=	-20.39
ELEM	765	IAU=	5688+000	EPG=	7600+001	SLI=	-5983+001	YNI=	127+002	YNI=	.450
SL=	.697										
STX=	-135071+001	STY=	-244002+001	TX=	-223642+000	STI=	-130660+001	STZ=	-248415+001	ALPHA=	-11.16
EPX=	-199648+001	EPY=	-414403+001	EPZ=	-336113+001	EP1=	-242652+001	EP2=	-457387+001	ALEPS=	-14.35
ELEM	766	IAU=	4452+000	EPG=	8288+001	SLI=	-1181+000	YNI=	801+001	YNI=	.450
SL=	.799										
STX=	-121680+001	STY=	-243387+001	TX=	-211490+000	STI=	-117915+001	STZ=	-246952+001	ALPHA=	-9.57
EPX=	-246600+001	EPY=	-532611+001	EPZ=	-369391+001	EP1=	-124404+001	EP2=	-572416+001	ALEPS=	-12.16
ELEM	767	IAU=	6213+000	EPG=	8395+001	SLI=	-1014+000	YNI=	896+001	YNI=	.450
SL=	.773										
STX=	-110892+001	STY=	-240717+001	TX=	-521269+001	STI=	-136673+001	STZ=	-240936+001	ALPHA=	-2.41
EPX=	-296165+001	EPY=	-532613+001	EPZ=	-133498+001	EP1=	-301504+001	EP2=	-537956+001	ALEPS=	-6.58
ELEM	768	IAU=	4522+000	EPG=	7657+001	SLI=	-1625+000	YNI=	105+002	YNI=	.450
SL=	.752										
STX=	-138919+001	STY=	-268287+001	TX=	-836734+001	STI=	-138389+001	STZ=	-268826+001	ALPHA=	-3.69
EPX=	-261719+001	EPY=	-488125+001	EPZ=	-154972+001	EP1=	-269442+001	EP2=	-496049+001	ALEPS=	-5.84
ELEM	769	IAU=	4368+000	EPG=	7917+001	SLI=	-1268+000	YNI=	104+002	YNI=	.450
SL=	.751										
STX=	-137118+001	STY=	-254136+001	TX=	-251488+000	STI=	-111942+001	STZ=	-259312+001	ALPHA=	11.63
EPX=	-253973+001	EPY=	-468125+001	EPZ=	-273700+001	EP1=	-287754+001	EP2=	-512904+001	ALEPS=	10.19
ELEM	770	IAU=	4504+000	EPG=	9222+001	SLI=	-1079+000	YNI=	668+001	YNI=	.450
SL=	.831										
STX=	-110261+001	STY=	-258876+001	TX=	-974762+001	STI=	-109526+001	STZ=	-239611+001	ALPHA=	4.31
EPX=	-361263+001	EPY=	-628462+001	EPZ=	-697991+002	EP1=	-362512+001	EP2=	-629691+001	ALEPS=	2.02
ELEM	771	IAU=	6113+000	EPG=	1062+000	SLI=	-9024+001	YNI=	552+001	YNI=	.450
SL=	.869										
STX=	-919770+000	STY=	-203683+001	TX=	-224662+000	STI=	-862991+000	STZ=	-209961+001	ALPHA=	10.78
EPX=	-361394+001	EPY=	-628462+001	EPZ=	-384732+001	EP1=	-397464+001	EP2=	-664552+001	ALEPS=	10.62
ELEM	772	IAU=	1661+001	EPG=	4033+001	SLI=	-1064+000	YNI=	659+002	YNI=	.350
SL=	.802										
STX=	-206131+001	STY=	-529193+001	TX=	-342673+000	STI=	-204534+001	STZ=	-532810+001	ALPHA=	-6.03
EPX=	-513741+002	EPY=	-243632+001	EPZ=	-206309+002	EP1=	-534428+002	EP2=	-247806+001	ALEPS=	-6.73
ELEM	773	IAU=	5016+000	EPG=	2905+001	SLI=	-3765+001	YNI=	174+002	YNI=	.350
SL=	.950										

STXE	-451662+000	STYV	-145389+001	IXYV	-211281-001	STIJ	-451217+000	STIZ	-145433+001	ALPHA=	1.21
EPXE	557131-002	EPYV	-234771-001	EXYV	-355252-003	EPJZ	557240-002	EPZV	-234782-001	ALPES=	-3.35
ELEM	774	IAUZ	1135+001	EPGZ	3107-001	STJZ	-3382+000	EJYZ	511+002	YNT=	400
STXE	-172918+001	STYV	-399685+001	IXYV	-660897-001	STJZ	-172824+001	STIZ	-399778+001	ALPHA=	-1.16
EPXE	732565-002	EPYV	-234387-001	EXYV	-150683-002	EPJZ	-261393-002	EPZV	-234270-001	ALPES=	-1.39
ELEM	775	IAUZ	9450+000	EPGZ	3994+001	STJZ	-2112+000	EJYZ	145+002	YNT=	400
STXE	-111027+001	STYV	-293238+001	IXYV	-252307+000	STJZ	-107662+001	STIZ	-292868+001	ALPHA=	-7.74
EPXE	943157-002	EPYV	-278830-001	EXYV	-142278-001	EPJZ	-107418-001	EPZV	-291932-001	ALPES=	-10.44
ELEM	776	IAUZ	9125+000	EPGZ	3812-001	STJZ	-1735+000	EJYZ	120+002	YNT=	400
STXE	-107215+001	STYV	-288197+001	IXYV	-117593+000	STJZ	-106454+001	STIZ	-288958+001	ALPHA=	-3.70
EPXE	103555-001	EPYV	-278830-001	EXYV	-320872-002	EPJZ	102233-001	EPZV	-279505-001	ALPES=	-2.41
ELEM	777	IAUZ	1087+001	EPGZ	4037-001	STJZ	-2070+000	EJYZ	251+002	YNT=	400
STXE	-140870+001	STYV	-358068+001	IXYV	-535965-001	STJZ	-140738+001	STIZ	-358200+001	ALPHA=	-1.41
EPXE	106186-001	EPYV	-297143-001	EXYV	-184052-002	EPJZ	106394-001	EPZV	-297353-001	ALPES=	-1.31
ELEM	778	IAUZ	1092+001	EPGZ	4150-001	STJZ	-2208+000	EJYZ	254+002	YNT=	400
STXE	-144926+001	STYV	-359128+001	IXYV	-235831+000	STJZ	-142360+001	STIZ	-361694+001	ALPHA=	6.21
EPXE	104552-001	EPYV	-297243+001	EXYV	-107629+001	EPJZ	111643-001	EPZV	-303227-001	ALPES=	7.50
ELEM	779	IAUZ	8872+000	EPGZ	4398+001	STJZ	-1817+000	EJYZ	288+002	YNT=	400
STXE	-117008+001	STYV	-291322+001	IXYV	-165932+000	STJZ	-115442+001	STIZ	-292887+001	ALPHA=	5.39
EPXE	103256-001	EPYV	-330624-001	EXYV	-730480-002	EPJZ	106310-001	EPZV	-333478-001	ALPES=	4.78
ELEM	780	IAUZ	8431+000	EPGZ	4643+001	STJZ	-1611+000	EJYZ	230+002	YNT=	400
STXE	-107476+001	STYV	-267555+001	IXYV	-264779+000	STJZ	-103210+001	STIZ	-271821+001	ALPHA=	9.15
EPXE	105737-001	EPYV	-350324-001	EXYV	-359822-001	EPJZ	119926+001	EPZV	-344612-001	ALPES=	10.07
ELEM	781	IAUZ	7893+000	EPGZ	3289-001	STJZ	-1636+000	EJYZ	414+002	YNT=	400
STXE	-120757+001	STYV	-261316+001	IXYV	-357349+000	STJZ	-112205+001	STIZ	-270069+001	ALPHA=	13.56
EPXE	606279-002	EPYV	-233439-001	EXYV	-147264-001	EPJZ	780356+002	EPZV	-250827-001	ALPES=	13.30
ELEM	782	IAUZ	8580+000	EPGZ	3502-001	STJZ	-1621+000	EJYZ	370+002	YNT=	400
STXE	-133753+001	STYV	-275245+001	IXYV	-685499+000	STJZ	-118701+001	STIZ	-290299+001	ALPHA=	17.23
EPXE	563352-002	EPYV	-235639-001	EXYV	-196593-001	EPJZ	865343-002	EPZV	-263618-001	ALPES=	17.08
ELEM	783	IAUZ	6710+000	EPGZ	3631-001	STJZ	-1147+000	EJYZ	479+002	YNT=	400
STXE	-113063+001	STYV	-219276+001	IXYV	-405513+000	STJZ	-994226+000	STIZ	-233617+001	ALPHA=	18.59
EPXE	413802-002	EPYV	-298522-001	EXYV	-127826-001	EPJZ	530006+002	EPZV	-310143-001	ALPES=	10.30
ELEM	784	IAUZ	4331+000	EPGZ	4084-001	STJZ	-1872-001	EJYZ	311+002	YNT=	400
STXE	-341341+000	STYV	-120469+001	IXYV	-334224-001	STJZ	-338048+000	STIZ	-120818+001	ALPHA=	-3.53
EPXE	980365-002	EPYV	-298522-002	EXYV	-983945-002	EPJZ	109049+001	EPZV	-306535-001	ALPES=	6.97
ELEM	785	IAUZ	6664+000	EPGZ	3711-001	STJZ	-6921-001	EJYZ	642+002	YNT=	400
STXE	-118271+001	STYV	-236065+001	IXYV	-311210+000	STJZ	-110504+001	STIZ	-243778+001	ALPHA=	13.92
EPXE	474356-002	EPYV	-288288-001	EXYV	-158186-001	EPJZ	653360+002	EPZV	-305988-001	ALPES=	12.61
ELEM	786	IAUZ	6634+000	EPGZ	4023-001	STJZ	-6435-001	EJYZ	387+002	YNT=	400
STXE	-705273+000	STYV	-145291+001	IXYV	-273789+000	STJZ	-615734+000	STIZ	-154245+001	ALPHA=	18.11
EPXE	309710-002	EPYV	-288288-001	EXYV	-243373-001	EPJZ	723566+002	EPZV	-329934-001	ALPES=	18.76
ELEM	787	IAUZ	5767+000	EPGZ	3235-001	STJZ	6761-002	EJYZ	101+002	YNT=	400
STXE	-943726+000	STYV	-123514+001	IXYV	-557960+000	STJZ	-512762+000	STIZ	-186661+001	ALPHA=	37.68
EPXE	377020-002	EPYV	-632250-002	EXYV	-322488-001	EPJZ	111285-001	EPZV	-212122-001	ALPES=	42.74
ELEM	788	IAUZ	1964+000	EPGZ	1813-001	STJZ	-9863-002	EJYZ	588+002	YNT=	400
STXE	-785237+000	STYV	-130464+001	IXYV	-299470+000	STJZ	-648545+000	STIZ	-164133+001	ALPHA=	24.53
EPXE	120045-002	EPYV	-106948-001	EXYV	-136283-001	EPJZ	431672-002	EPZV	-198106-001	ALPES=	26.49
ELEM	789	IAUZ	7950+000	EPGZ	2703-001	STJZ	-2700-001	EJYZ	210+002	YNT=	400
STXE	-368335+000	STYV	-755319+000	IXYV	-213532+000	STJZ	-256853+000	STIZ	-864791+000	ALPHA=	23.19
EPXE	137257-002	EPYV	-132285-001	EXYV	-227522-001	EPJZ	758917-002	EPZV	-194451-001	ALPES=	28.65
ELEM	790	IAUZ	1452+000	EPGZ	3278-001	STJZ	-3823-001	EJYZ	332+002	YNT=	400
STXE	-51698+000	STYV	-991440+000	IXYV	-249277+000	STJZ	-409367+000	STIZ	-109978+001	ALPHA=	23.11
EPXE	-432108-002	EPYV	-903655-002	EXYV	-323535-001	EPJZ	940984+002	EPZV	-233675-001	ALPES=	40.33
ELEM	791	IAUZ	3042+000	EPGZ	2713-001	STJZ	-1118-002	EJYZ	151+001	YNT=	400
STXE	-196114-001	STYV	-639693+000	IXYV	-105267-001	STJZ	-502377-001	STIZ	-658675+000	ALPHA=	10.12
EPXE	-319525-002	EPYV	-663555-002	EXYV	-352697-001	EPJZ	116200+002	EPZV	-1180596-001	ALPES=	35.89

STX	-7682-001	STY	-410405+000	IAX	590499-001	STI	-673237-001	STZ	-420568+000	ALPHA	9.77
EPX	-10872-001	EPY	-190759-002	EXY	108835-001	EP1	396360-001	EP2	-128683-001	ALEPS	-20.14
ELEM	794	TAU	2591+000	EPG	1525-001	STI	-7411-002	EII	126+002	YNI	.350
STX	-39560+000	STY	-312398+000	IAX	255893+000	STI	-947801-001	STZ	-613297+000	ALPHA	49.62
EPX	-51424-002	EPY	-209119-003	EXY	146341-001	EP1	495030-002	EP2	-103044-001	ALEPS	-35.56
ELEM	795	TAU	1694+000	EPG	1096-001	STI	-3677-002	EII	110+002	YNI	.350
STX	-827941-003	STY	-213954+000	IAX	131563+000	STI	-62650-001	STZ	-226193+000	ALPHA	-25.39
EPX	-205815-002	EPY	-103180-002	EXY	105148-001	EP1	496655-002	EP2	-599290-002	ALEPS	-36.81
ELEM	796	TAU	1487+000	EPG	5517+002	STI	-6435-002	EII	810+001	YNI	.350
STX	-343140-001	STY	-209773+000	IAX	-120113+000	STI	266962-001	STZ	-20783+000	ALPHA	-26.93
EPX	-355416-002	EPY	-193281-002	EXY	-577497-003	EP1	354797-002	EP2	-356930-002	ALEPS	3.00
ELEM	797	TAU	1681+000	EPG	8791-002	STI	-4492-002	EII	841+001	YNI	.350
STX	-126261-001	STY	-282354+000	IAX	732873+001	STI	296912-001	STZ	-106419+000	ALPHA	13.02
EPX	-478674-002	EPY	-270491-002	EXY	-459992-002	EP1	335465-002	EP2	-543649-002	ALEPS	15.78
ELEM	798	TAU	1018+000	EPG	8229-002	STI	-4543-002	EII	743+002	YNI	.350
STX	-166887+000	STY	-291526+000	IAX	804454-001	STI	-127444+000	STZ	-330967+000	ALPHA	26.12
EPX	-430427-002	EPY	-302334+002	EXY	-360254+002	EP1	350920-002	EP2	-421952-002	ALEPS	12.98
ELEM	799	TAU	4331+000	EPG	2314-001	STI	-2149-001	EII	169+002	YNI	.350
STX	-618037+000	STY	-681150+000	IAX	-431908+000	STI	-216534+000	STZ	-108265+001	ALPHA	-42.91
EPX	-990424-002	EPY	-164522-002	EXY	-200478-001	EP1	743880-002	EP2	-156978-001	ALEPS	50.03
ELEM	800	TAU	4491+000	EPG	2749-001	STI	9325-001	EII	700+002	YNI	.400
STX	-125683+001	STY	-134455+001	IAX	-467021+000	STI	-811612+000	STZ	-174977+001	ALPHA	-42.32
EPX	-663800-002	EPY	-122054+001	EXY	-266354-001	EP1	542304-002	EP2	-222664-001	ALEPS	-37.07
ELEM	801	TAU	2066+000	EPG	1465-001	STI	-2224-001	EII	263+002	YNI	.400
STX	-230105+000	STY	-524264+000	IAX	-114395+000	STI	-195551+000	STZ	-608819+000	ALPHA	-16.81
EPX	-112054-001	EPY	-217352-001	EXY	-101822-001	EP1	-914648-002	EP2	-237942-001	ALEPS	-22.02
ELEM	802	TAU	2209+000	EPG	3085-001	STI	-5202-001	EII	540+002	YNI	.400
STX	-423124+000	STY	-757373+000	IAX	-144196+000	STI	-369559+000	STZ	-811301+000	ALPHA	-20.38
EPX	-338027-002	EPY	-252925-001	EXY	-115783-001	EP1	446284-002	EP2	-263801-001	ALEPS	-10.82
ELEM	803	TAU	3279+000	EPG	3264-001	STI	-4000-001	EII	847+002	YNI	.400
STX	-701287+000	STY	-134262+001	IAX	-685529+001	STI	-694043+000	STZ	-134987+001	ALPHA	6.03
EPX	-160844-002	EPY	-342583-001	EXY	210849-002	EP1	-165435-002	EP2	-342924-001	ALEPS	1.85
ELEM	804	TAU	2102+000	EPG	3034-001	STI	-1536+000	EII	787+002	YNI	.400
STX	-490199+000	STY	-893534+000	IAX	-593855-001	STI	-481638+000	STZ	-902096+000	ALPHA	-8.20
EPX	-908461-002	EPY	-357106+001	EXY	-165394-001	EP1	-722924-002	EP2	-325662-001	ALEPS	-14.32
ELEM	805	TAU	5573+000	EPG	6903-001	STI	-1499+000	EII	190+002	YNI	.450
STX	-171549+001	STY	-254859+001	IAX	-370263+000	STI	-152422+001	STZ	-288937+001	ALPHA	-20.82
EPX	-123391-001	EPY	-402634-001	EXY	-447032-001	EP1	205538-001	EP2	-484781-001	ALEPS	-20.18
ELEM	806	TAU	3489+000	EPG	7289-001	STI	-5309-002	EII	504+001	YNI	.450
STX	-222127+000	STY	-758048+000	IAX	-233478+000	STI	-141167+000	STZ	-839008+000	ALPHA	-19.91
EPX	-184737-001	EPY	-401991-001	EXY	-532331-001	EP1	255831-001	EP2	-423025-001	ALEPS	-18.19
ELEM	807	TAU	6160+000	EPG	8963-001	STI	-1143+000	EII	703+001	YNI	.450
STX	-107286+001	STY	-212355+001	IAX	-274643+000	STI	-100824+001	STZ	-224017+001	ALPHA	-13.24
EPX	-262728-001	EPY	-504386-001	EXY	-663512-001	EP1	327308-001	EP2	-568966-001	ALEPS	-15.57
ELEM	808	TAU	5657+000	EPG	8021-001	STI	-1102+000	EII	924+001	YNI	.450
STX	-100404+001	STY	-212099+001	IAX	-904301-001	STI	-996768+000	STZ	-212826+001	ALPHA	-4.60
EPX	-274537-001	EPY	-544386+001	EXY	-191505-001	EP1	286145-001	EP2	-515984-001	ALEPS	-6.91
ELEM	809	TAU	5368+000	EPG	9113-001	STI	-1371+000	EII	701+001	YNI	.450
STX	-759035+000	STY	-181615+001	IAX	-932100-001	STI	-750792+000	STZ	-182439+001	ALPHA	-5.03
EPX	-321874-001	EPY	-569282-001	EXY	-190462-001	EP1	311957-001	EP2	-579344-001	ALEPS	-6.03
ELEM	810	TAU	5547+000	EPG	8813-001	STI	-1679+000	EII	853+001	YNI	.450
STX	-916478+000	STY	-201859+001	IAX	-638089-001	STI	-912794+000	STZ	-202227+001	ALPHA	-3.30
EPX	-309325-001	EPY	-562282-001	EXY	-711919-002	EP1	310814-001	EP2	-520172-001	ALEPS	-2.32
ELEM	811	TAU	5813+000	EPG	8831-001	STI	-1385+000	EII	642+001	YNI	.450
STX	-853248+000	STY	-200943+001	IAX	-604647+001	STI	-850094+000	STZ	-201263+001	ALPHA	-3.01
EPX	-325062-001	EPY	-551584-001	EXY	-106936-001	EP1	328311-001	EP2	-554833-001	ALEPS	-3.48
ELEM	812	TAU	5941+000	EPG	9041-001	STI	-1620+000	EII	629+001	YNI	.450
STX	-945367+000	STY	-208195+001	IAX	-173279+000	STI	-919534+000	STZ	-210778+001	ALPHA	8.48
EPX	-320123-001	EPY	-551584+001	EXY	-239233+001	EP1	336355-001	EP2	-567265-001	ALEPS	-7.69
ELEM	813	TAU	4964+000	EPG	1108+000	STI	-9866-001	EII	423+001	YNI	.450

STX=	-453308+000	STY=	-141637+001	TXV=	761411-001	STI=	-629493+000	STZ=	-142225+001	ALPHA=	4.41
EPX=	403557-001	EPY=	697115-001	EXV=	130085-001	EP1=	407388+001	EP2=	-700945-001	ALEPS=	3.37
ELEM	814	TAU=	4717+000	EPG=	1238+000	STI=	-1448+000	EPZ=	581+001	YNT=	.450
STX=	-120275+001	STY=	-233022+001	TXV=	365146+000	STI=	109482+001	STZ=	243815+001	ALPHA=	16.47
EPX=	350547-001	EPY=	697115-001	EXV=	659276+001	EP1=	645821-001	EP2=	-792389-001	ALEPS=	16.10
ELEM	815	TAU=	1754+001	EPG=	2829-001	STI=	-6424+000	EPZ=	560+002	YNT=	.350
STX=	-210213+001	STY=	-558930+001	TXV=	-191692+000	STI=	-209131+001	STZ=	-56001+001	ALPHA=	3.17
EPX=	528800-002	EPY=	227363-001	EXV=	-388723-002	EP1=	562215-002	EP2=	-228704-001	ALEPS=	-3.95
ELEM	816	TAU=	2153+000	EPG=	6230-001	STI=	-3000-001	EPZ=	649+001	YNT=	.350
STX=	-509328-001	STY=	-426197+000	TXV=	-111722+000	STI=	-267799+001	STZ=	-457410+000	ALPHA=	-15.63
EPX=	715422-002	EPY=	-293430-001	EXV=	-213723-001	EP1=	100541-001	EP2=	-322429-001	ALEPS=	-15.18
ELEM	817	TAU=	8605+000	EPG=	6401-001	STI=	-3086+000	EPZ=	161+002	YNT=	.400
STX=	-105654+001	STY=	-262607+001	TXV=	-355296+000	STI=	929772+000	STZ=	-270084+001	ALPHA=	12.19
EPX=	891639-002	EPY=	-311398-001	EXV=	-182255-001	EP1=	108921-001	EP2=	-331154-001	ALEPS=	-12.23
ELEM	818	TAU=	8433+000	EPG=	6125+001	STI=	-2833+000	EPZ=	221+002	YNT=	.400
STX=	-102572+001	STY=	-267302+001	TXV=	-144688+000	STI=	-101311+001	STZ=	-268563+001	ALPHA=	-4.98
EPX=	968029-002	EPY=	-311398-001	EXV=	-590606+002	EP1=	990272-002	EP2=	-313222-001	ALEPS=	-4.12
ELEM	819	TAU=	1028+001	EPG=	6007-001	STI=	-1483+000	EPZ=	145+002	YNT=	.400
STX=	-108940+001	STY=	-312101+001	TXV=	-152450+000	STI=	-107692+001	STZ=	-313345+001	ALPHA=	-4.66
EPX=	109542-001	EPY=	-469965-001	EXV=	-158108-001	EP1=	120133-001	EP2=	-480556-001	ALEPS=	-7.63
ELEM	820	TAU=	8486+000	EPG=	5259+001	STI=	-2583+000	EPZ=	289+002	YNT=	.400
STX=	-115036+001	STY=	-274589+001	TXV=	289446+000	STI=	-105948+001	STZ=	-279677+001	ALPHA=	9.97
EPX=	949826+002	EPY=	-469285+001	EXV=	111959-001	EP1=	100476+001	EP2=	-475459-001	ALEPS=	5.60
ELEM	821	TAU=	6989+000	EPG=	4880-001	STI=	-1344+000	EPZ=	210+002	YNT=	.400
STX=	-820950+000	STY=	-218247+001	TXV=	142233+000	STI=	805267+000	STZ=	-220315+001	ALPHA=	6.08
EPX=	981620-002	EPY=	-367508-001	EXV=	671494-002	EP1=	993076-002	EP2=	-388650-001	ALEPS=	2.77
ELEM	822	TAU=	8433+000	EPG=	5117-001	STI=	-1998+000	EPZ=	231+002	YNT=	.500
STX=	-111607+001	STY=	-262768+001	TXV=	369629+000	STI=	-103053+001	STZ=	-271320+001	ALPHA=	13.03
EPX=	100874-001	EPY=	-382508-001	EXV=	-152230-001	EP1=	112536-001	EP2=	-399170-001	ALEPS=	8.68
ELEM	823	TAU=	5864+000	EPG=	7175-001	STI=	-6711-001	EPZ=	117+002	YNT=	.400
STX=	-615540+000	STY=	-164884+001	TXV=	272427+000	STI=	-545764+000	STZ=	-171862+001	ALPHA=	14.12
EPX=	911108-002	EPY=	-626379-001	EXV=	361373-003	EP1=	911233-002	EP2=	-626383-001	ALEPS=	1.14
ELEM	824	TAU=	4605+000	EPG=	7032-001	STI=	-2664+000	EPZ=	221+002	YNT=	.400
STX=	-838893+000	STY=	-174483+001	TXV=	631017-001	STI=	-831335+000	STZ=	-175239+001	ALPHA=	5.20
EPX=	746516-002	EPY=	-626379-001	EXV=	-612691-002	EP1=	759878+002	EP2=	-627715-001	ALEPS=	2.59
ELEM	825	TAU=	2267+000	EPG=	6275-001	STI=	-1624-001	EPZ=	123+002	YNT=	.400
STX=	-163024+000	STY=	-534125+000	TXV=	-133680+000	STI=	119884+000	STZ=	-572266+000	ALPHA=	12.89
EPX=	341680-002	EPY=	-583364-001	EXV=	111217-001	EP1=	391356+002	EP2=	-588332-001	ALEPS=	5.10
ELEM	826	TAU=	5724+000	EPG=	6866+001	STI=	-673+001	EPZ=	333+002	YNT=	.400
STX=	-783695+000	STY=	-182787+001	TXV=	235172+000	STI=	-733173+000	STZ=	-187839+001	ALPHA=	12.12
EPX=	914075-002	EPY=	-583364-001	EXV=	115813-001	EP1=	963408+002	EP2=	-588297-001	ALEPS=	4.87
ELEM	827	TAU=	6711+000	EPG=	2827-001	STI=	-5069-001	EPZ=	217+002	YNT=	.400
STX=	-102262+001	STY=	-186514+001	TXV=	-522426+000	STI=	-722373+000	STZ=	-211303+001	ALPHA=	25.56
EPX=	216843-002	EPY=	-136674-001	EXV=	234360-001	EP1=	837721-002	EP2=	-198962-001	ALEPS=	27.99
ELEM	828	TAU=	3182+000	EPG=	2488+001	STI=	-934+002	EPZ=	376+001	YNT=	.400
STX=	-217811+000	STY=	-710864+000	TXV=	-232326+000	STI=	-125589+000	STZ=	-803087+000	ALPHA=	21.65
EPX=	172001-002	EPY=	-134924-001	EXV=	-219172-001	EP1=	683208-002	EP2=	-200495-001	ALEPS=	30.87
ELEM	829	TAU=	4051+000	EPG=	2772-001	STI=	-2016-001	EPZ=	144+002	YNT=	.350
STX=	-344094+000	STY=	-740595+000	TXV=	353226+000	STI=	-137287+000	STZ=	-947402+000	ALPHA=	30.35
EPX=	-953641-003	EPY=	-628013-002	EXV=	672039-001	EP1=	102431-001	EP2=	-174771-001	ALEPS=	39.46
ELEM	830	TAU=	1866+000	EPG=	2091+002	STI=	-2591-001	EPZ=	222+003	YNT=	.350
STX=	-371297+000	STY=	-148924+000	TXV=	147365+000	STI=	444715+000	STZ=	755061-001	ALPHA=	26.48
EPX=	918641-003	EPY=	-583152-004	EXV=	-186855-002	EP1=	147598-002	EP2=	-615253-003	ALEPS=	31.07
ELEM	831	TAU=	1691+000	EPG=	6808-002	STI=	-7357-002	EPZ=	102+002	YNT=	.350
STX=	-206450+000	STY=	-276444-001	TXV=	-143487+000	STI=	-520384-000	STZ=	-286085+000	ALPHA=	179.04
EPX=	-411838+002	EPY=	-266911-002	EXV=	6070-001	EP1=	248001-002	EP2=	-412745-002	ALEPS=	-2.34

STX=	-.36773+000	STY=	-.392257+000	TXV=	-.232528+000	STI=	-.147891+000	STZ=	-.613109+000	ALPHA=	-.43.46
EPX=	-.9654+000	EPY=	-.539330+002	EXY=	-.832458+002	EP1=	.646784+002	EP2=	-.107292+001	ALEPS=	14.48
ELEM	A16	TAU=	.627+000	EP4=	.185+002	SII=	.0000	EII=	.162+002	YNI=	.350
STX=	-.65228+000	STY=	-.65976+001	TXV=	-.318115+000	STI=	-.193514+000	STZ=	-.732014+000	ALPHA=	111.72
EPX=	-.19608+002	EPY=	-.28054+002	EXY=	-.302086+002	EP1=	-.789868+003	EP2=	-.392473+002	ALEPS=	37.31
ELEM	B35	TAU=	.5517+000	EPG=	.7750+002	SII=	.0000	EII=	.113+003	YNI=	.350
STX=	-.935023+000	STY=	-.645245+000	TXV=	-.320464+000	STI=	-.438438+000	STZ=	-.114183+001	ALPHA=	132.84
EPX=	-.310098+002	EPY=	-.952756+003	EXY=	-.744669+002	EP1=	-.184831+002	EP2=	-.590205+002	ALEPS=	36.95
ELEM	A36	TAU=	.1824+000	EPG=	.641+001	SII=	.5950+000	EII=	.450+002	YNI=	.400
STX=	-.320431+000	STY=	-.612501+000	TXV=	-.117472+000	STI=	-.279047+000	STZ=	-.653885+000	ALPHA=	19.41
EPX=	.393864+002	EPY=	-.229251+001	EXY=	-.131201+001	EP1=	.521649+002	EP2=	-.311979+001	ALEPS=	10.56
ELEM	B37	TAU=	.3292+000	EPG=	.1348+001	SII=	.0000	EII=	.106+000	YNI=	.400
STX=	-.519207+002	STY=	-.658894+000	TXV=	-.391367+001	STI=	-.286230+002	STZ=	-.661231+000	ALPHA=	3.41
EPX=	-.109864+001	EPY=	-.210636+001	EXY=	-.895201+002	EP1=	-.928011+002	EP2=	-.227638+001	ALEPS=	20.80
ELEM	A38	TAU=	.2501+000	EPG=	.2228+001	SII=	.1784+000	EII=	.255+003	YNI=	.400
STX=	-.145510+001	STY=	-.184772+001	TXV=	-.154970+000	STI=	-.140130+001	STZ=	-.190152+001	ALPHA=	19.14
EPX=	.296929+003	EPY=	-.211659+001	EXY=	-.323803+002	EP1=	.956895+003	EP2=	-.213219+001	ALEPS=	6.83
ELEM	A39	TAU=	.1352+000	EPG=	.1934+001	SII=	.0000	EII=	.411+002	YNI=	.400
STX=	-.281392+000	STY=	-.393603+000	TXV=	-.123024+000	STI=	-.202287+000	STZ=	-.522213+000	ALPHA=	32.74
EPX=	-.143427+002	EPY=	-.203396+001	EXY=	-.407116+002	EP1=	-.121754+002	EP2=	-.205563+001	ALEPS=	6.08
ELEM	A40	TAU=	.3209+000	EPG=	.637+001	SII=	.1459+000	EII=	.192+002	YNI=	.450
STX=	-.958854+000	STY=	-.167258+001	TXV=	-.133127+000	STI=	-.934831+000	STZ=	-.169660+001	ALPHA=	10.23
EPX=	.134121+001	EPY=	-.292229+001	EXY=	-.182083+001	EP1=	.152244+001	EP2=	-.310904+001	ALEPS=	11.56
ELEM	A41	TAU=	.337+000	EPG=	.4748+001	SII=	.0000	EII=	.156+002	YNI=	.450
STX=	-.594670+000	STY=	-.123135+001	TXV=	-.160154+000	STI=	-.529284+000	STZ=	-.124674+001	ALPHA=	8.73
EPX=	.156271+001	EPY=	-.295087+001	EXY=	-.147292+001	EP1=	.167984+001	EP2=	-.306799+001	ALEPS=	9.04
ELEM	A42	TAU=	.4595+000	EPG=	.4063+001	SII=	.1492+000	EII=	.954+001	YNI=	.450
STX=	-.669477+000	STY=	-.158373+001	TXV=	-.335034+001	STI=	-.668103+000	STZ=	-.158711+001	ALPHA=	2.22
EPX=	.287904+001	EPY=	-.516294+001	EXY=	-.572148+002	EP1=	.288943+001	EP2=	-.512332+001	ALEPS=	2.05
ELEM	A43	TAU=	.4466+000	EPG=	.7996+001	SII=	.0000	EII=	.103+002	YNI=	.450
STX=	-.673452+000	STY=	-.155222+001	TXV=	-.645486+001	STI=	-.668263+000	STZ=	-.156191+001	ALPHA=	4.16
EPX=	.276376+001	EPY=	-.516294+001	EXY=	-.105662+001	EP1=	.279817+001	EP2=	-.519737+001	ALEPS=	3.76
ELEM	A44	TAU=	.4487+000	EPG=	.8219+001	SII=	.1844+000	EII=	.127+002	YNI=	.450
STX=	-.814049+000	STY=	-.170575+001	TXV=	-.500450+001	STI=	-.811249+000	STZ=	-.170855+001	ALPHA=	3.20
EPX=	.261336+001	EPY=	-.560241+001	EXY=	-.239255+002	EP1=	.261531+001	EP2=	-.560416+001	ALEPS=	.84
ELEM	A45	TAU=	.3502+000	EPG=	.8428+001	SII=	.0000	EII=	.924+001	YNI=	.450
STX=	-.339438+000	STY=	-.103401+001	TXV=	-.491892+001	STI=	-.336525+000	STZ=	-.103690+001	ALPHA=	3.68
EPX=	.272909+001	EPY=	-.560241+001	EXY=	.127192+001	EP1=	.277736+001	EP2=	-.565067+001	ALEPS=	4.34
ELEM	A46	TAU=	.6651+000	EPG=	.9402+001	SII=	.1372+000	EII=	.560+001	YNI=	.450
STX=	-.105999+001	STY=	-.238283+001	TXV=	-.694350+001	STI=	-.105635+001	STZ=	-.238646+001	ALPHA=	3.00
EPX=	.358283+001	EPY=	-.572335+001	EXY=	.936450+002	EP1=	.360018+001	EP2=	-.580270+001	ALEPS=	2.86
ELEM	A47	TAU=	.3663+000	EPG=	.1089+000	SII=	.0000	EII=	.650+001	YNI=	.450
STX=	-.362322+000	STY=	-.856182+000	TXV=	-.270576+000	STI=	-.262981+000	STZ=	-.925578+000	ALPHA=	23.81
EPX=	.297919+001	EPY=	-.577935+001	EXY=	.684320+001	EP1=	.404244+001	EP2=	-.684262+001	ALEPS=	18.21
ELEM	A48	TAU=	.5499+000	EPG=	.1192+000	SII=	.0000	EII=	.385+001	YNI=	.450
STX=	-.592937+000	STY=	-.167606+001	TXV=	-.201765+000	STI=	-.543984+000	STZ=	-.165439+001	ALPHA=	10.76
EPX=	.409385+001	EPY=	-.240611+001	EXY=	.420044+001	EP1=	.447615+001	EP2=	-.744334+001	ALEPS=	19.32
ELEM	A49	TAU=	.5822+000	EPG=	.1140+000	SII=	.0000	EII=	.380+001	YNI=	.450
STX=	-.647993+000	STY=	-.180324+001	TXV=	-.725224+001	STI=	-.643458+000	STZ=	-.180778+001	ALPHA=	3.58
EPX=	.428820+001	EPY=	-.706114+001	EXY=	.104085+001	EP1=	.431201+001	EP2=	-.708495+001	ALEPS=	2.62
ELEM	A50	TAU=	.1406+001	EPG=	.5850+001	SII=	.5973+000	EII=	.260+002	YNI=	.350
STX=	-.155867+001	STY=	-.407193+001	TXV=	-.630797+000	STI=	-.140867+001	STZ=	-.422134+001	ALPHA=	13.33
EPX=	.65641+002	EPY=	-.517102+001	EXY=	-.513791+002	EP1=	.667743+002	EP2=	-.518233+001	ALEPS=	2.52
ELEM	B51	TAU=	.9554+000	EPG=	.4985+001	SII=	.0000	EII=	.121+002	YNI=	.350
STX=	-.219452+000	STY=	-.608086+000	TXV=	-.165809+000	STI=	-.158325+000	STZ=	-.662213+000	ALPHA=	20.24
EPX=	-.116728+002	EPY=	-.509878+001	EXY=	-.163181+002	EP1=	-.115197+002	EP2=	-.510012+001	ALEPS=	.94
ELEM	A52	TAU=	.4928+000	EPG=	.0113+001	SII=	.3294+000	EII=	.202+002	YNI=	.400
STX=	-.515199+000	STY=	-.148320+001	TXV=	-.872603+001	STI=	-.507412+000	STZ=	-.169299+001	ALPHA=	5.10
EPX=	.103518+001	EPY=	-.429884+001	EXY=	-.969044+002	EP1=	.107384+001	EP2=	-.503750+001	ALEPS=	4.56
ELEM	B53	TAU=	.1301+001	EPG=	.5143+001	SII=	.0000	EII=	.180+002	YNI=	.400

STX=	-146269.001	STY=	-343267.001	TX=	408514.000	STI=	-139688.001	STZ=	-399848.001	ALPHA=	9.15	
EPX=	130578.001	EPY=	-304337.001	EX=	139957.001	EP1=	140231.001	EP2=	-374057.001	ALEPS=	7.90	
ELEM	854	TAU=	7001.000	EPG=	5289.001	STI2=	-23123.000	EP3=	EEI=	253.002	SL=	.827
STX=	-938802.000	STY=	-216023.001	TX=	342849.000	STI=	-849222.000	STZ=	-222490.001	ALPHA=	14.66	
EPX=	888289.002	EPY=	-390391.001	EX=	223072.001	EP1=	113692.001	EP2=	-415204.001	ALEPS=	12.51	
ELEM	855	TAU=	4863.000	EPG=	6747.001	STI2=	-1617.001	EP3=	EEI=	454.001	SL=	.950
STX=	-264683.000	STY=	-123722.001	TX=	265039.002	STI=	-265039.002	STZ=	-123722.001	ALPHA=	1.16	
EPX=	123271.001	EPY=	-550109.001	EX=	424984.002	EP1=	123947.001	EP2=	-550779.001	ALEPS=	1.81	
ELEM	856	TAU=	5192.000	EPG=	6880.001	STI2=	-2272.000	EP3=	EEI=	365.002	SL=	.703
STX=	-687976.000	STY=	-171191.001	TX=	-865061.001	STI=	-680719.001	STZ=	-171917.001	ALPHA=	-4.80	
EPX=	822728.002	EPY=	-587285.001	EX=	156225.001	EP1=	912652.002	EP2=	-596771.001	ALEPS=	6.56	
ELEM	857	TAU=	7907.000	EPG=	5793.001	STI2=	2793.003	EP3=	EEI=	941.001	SL=	.729
STX=	-596528.000	STY=	-285900.000	TX=	-245672.000	STI=	-150572.000	STZ=	-731921.000	ALPHA=	118.85	
EPX=	639258.002	EPY=	-460996.001	EX=	244932.001	EP1=	910916.002	EP2=	-488162.001	ALEPS=	12.51	
ELEM	858	TAU=	4937.000	EPG=	5559.001	STI2=	-3908.001	EP3=	EEI=	303.002	SL=	.722
STX=	-732946.000	STY=	-144472.001	TX=	342205.000	STI=	-595113.000	STZ=	-158255.001	ALPHA=	21.94	
EPX=	416767.002	EPY=	-460996.001	EX=	237369.001	EP1=	682898.002	EP2=	-587609.001	ALEPS=	12.64	
ELEM	859	TAU=	4832.000	EPG=	5028.001	STI2=	-1976.001	EP3=	EEI=	123.001	SL=	.950
STX=	784881.001	STY=	-927801.000	TX=	148022.000	STI=	-569652.001	STZ=	-102132.001	ALPHA=	-8.28	
EPX=	689120.002	EPY=	-458113.001	EX=	197576.001	EP1=	848208.002	EP2=	-476022.001	ALEPS=	10.28	
ELEM	860	TAU=	4944.000	EPG=	5794.001	STI2=	-1144.001	EP3=	EEI=	663.000	SL=	.950
STX=	-236978.000	STY=	-804161.000	TX=	604970.000	STI=	-261760.001	STZ=	-101496.001	ALPHA=	27.50	
EPX=	243073.002	EPY=	-432605.001	EX=	356462.001	EP1=	854280.002	EP2=	-493930.001	ALEPS=	18.99	
ELEM	861	TAU=	4208.000	EPG=	3985.001	STI2=	-1721.001	EP3=	EEI=	204.001	SL=	.950
STX=	618630.000	STY=	-246058.000	TX=	371220.000	STI=	316381.003	STZ=	-842174.000	ALPHA=	58.28	
EPX=	-111251.001	EPY=	237422.002	EX=	374921.001	EP1=	155487.001	EP2=	-242996.001	ALEPS=	-35.10	
ELEM	862	TAU=	5087.000	EPG=	3699.001	STI2=	-9554.001	EP3=	EEI=	128.003	SL=	.515
STX=	-517551.000	STY=	-940705.000	TX=	224727.000	STI=	-426474.000	STZ=	-103778.001	ALPHA=	23.36	
EPX=	113989.002	EPY=	-105179.001	EX=	141427.001	EP1=	266624.002	EP2=	-163240.001	ALEPS=	28.25	
ELEM	863	TAU=	3815.000	EPG=	3020.002	STI2=	-2545.001	EP3=	EEI=	817.001	SL=	.950
STX=	542713.000	STY=	-165500.000	TX=	331593.000	STI=	23763.003	STZ=	-735588.000	ALPHA=	120.18	
EPX=	244819.002	EPY=	-119323.002	EX=	-274771.002	EP1=	-310799.000	EP2=	-333062.002	ALEPS=	32.72	
ELEM	864	TAU=	2143.000	EPG=	1468.001	STI2=	3654.002	EP3=	EEI=	122.002	SL=	.950
STX=	-195465.000	STY=	-403164.000	TX=	187493.000	STI=	-849821.001	STZ=	-513647.000	ALPHA=	30.51	
EPX=	215327.002	EPY=	166444.002	EX=	-141791.001	EP1=	708622.002	EP2=	-759311.002	ALEPS=	37.50	
ELEM	865	TAU=	3539.000	EPG=	2772.001	STI2=	-1157.000	EP3=	EEI=	221.001	SL=	.949
STX=	456520.001	STY=	532922.000	TX=	203795.000	STI=	110235.000	STZ=	-592498.000	ALPHA=	-17.58	
ELEM	866	TAU=	1705.000	EPG=	1741.001	STI2=	-191553.001	EP3=	EEI=	-140181.001	ALEPS=	-31.98
STX=	-807374.000	STY=	-123044.001	TX=	-304124.000	STI=	-648452.000	STZ=	-138937.001	ALPHA=	-27.59	
EPX=	160647.002	EPY=	-617423.002	EX=	-167929.001	EP1=	481362.002	EP2=	-125946.001	ALEPS=	37.39	
ELEM	867	TAU=	2996.000	EPG=	2188.001	STI2=	-6036.001	EP3=	EEI=	363.002	SL=	.556
STX=	372021.000	STY=	-965895.000	TX=	392008.001	STI=	-362422.000	STZ=	-288564.000	ALPHA=	3.83	
EPX=	961680.003	EPY=	-522164.002	EX=	-209923.001	EP1=	841196.002	EP2=	-130721.001	ALEPS=	-36.79	
ELEM	868	TAU=	3338.000	EPG=	4437.001	STI2=	-1184.000	EP3=	EEI=	1503.002	SL=	.534
STX=	-590369.000	STY=	-118374.001	TX=	-153066.000	STI=	-553211.000	STZ=	-122090.001	ALPHA=	-13.65	
EPX=	115512.001	EPY=	-232802.001	EX=	-271012.001	EP1=	161705.001	EP2=	-281996.001	ALEPS=	-18.82	
ELEM	869	TAU=	3354.000	EPG=	5832.001	STI2=	-1399.000	EP3=	EEI=	364.001	SL=	.695
STX=	-6186419.001	STY=	-230582.000	TX=	-258540.001	STI=	-608338.001	STZ=	-731580.000	ALPHA=	-2.21	
EPX=	221242.001	EPY=	-349382.001	EX=	-120455.001	EP1=	227530.001	EP2=	-355670.001	ALEPS=	-5.96	
ELEM	870	TAU=	3334.000	EPG=	5332.001	STI2=	-2503.000	EP3=	EEI=	982.001	SL=	.594
STX=	-320213.000	STY=	-979463.000	TX=	338240.001	STI=	-318482.000	STZ=	-981193.000	ALPHA=	2.93	
EPX=	196803.001	EPY=	-344586.001	EX=	-433302.002	EP1=	197693.001	EP2=	-355478.001	ALEPS=	-2.34	
ELEM	871	TAU=	4261.000	EPG=	6077.001	STI2=	-2694.000	EP3=	EEI=	914.001	SL=	.685
STX=	-548584.000	STY=	-118652.001	TX=	776197.001	STI=	541456.000	STZ=	-739365.001	ALPHA=	5.25	
EPX=	243314.000	EPY=	-143122.001	EX=	146314.001	EP1=	-225530.001	EP2=	-382160.001	ALEPS=	-2.08	

STX=	-153629+000	STY=	-107822+001	IXY=	162325+000	STL=	-125959+000	STZ=	-110589+001	ALPHA=	9.67
EPX=	312070-001	EPY=	-643072-001	EXY=	250122-001	EPZ=	328174-001	EPZ=	-659175-001	ALEPS=	7.34
ELEM	874	IAU=	6679+000	EPG=	9676-003	SIL=	-5737-001	EIT=	657+000	YNT=	450
STX=	-255404-001	STY=	-961023+000	IXY=	-110038-001	STL=	-254110-001	STZ=	-961152+000	ALPHA=	-67
EPX=	326041-001	EPY=	-643072-001	EXY=	300503+002	EPZ=	326274-001	EPZ=	-643308-001	ALEPS=	-89
ELEM	875	IAU=	6262+000	EPG=	7704-001	SIL=	-3925+000	EIT=	537+001	YNT=	450
STX=	-522052+000	STY=	-141813+001	IXY=	188313+000	STL=	-484702+000	STZ=	-145656+001	ALPHA=	11.39
EPX=	276478-001	EPY=	-629456-001	EXY=	308398-001	EPZ=	308690-001	EPZ=	-661668-001	ALEPS=	11.80
ELEM	876	IAU=	1613+000	EPG=	1240+000	SIL=	-1270+000	EIT=	772+001	YNT=	450
STX=	-326869+000	STY=	-983029+000	IXY=	151345+000	STL=	-291644+000	STZ=	-101625+001	ALPHA=	12.38
EPX=	321310-001	EPY=	-892335+001	EXY=	220226+001	EPZ=	331169+001	EPZ=	-909188+001	ALEPS=	5.11
ELEM	877	IAU=	5848+000	EPG=	6199-002	SIL=	-6462+000	EIT=	250+003	YNT=	350
STX=	-169599+001	STY=	-283934+001	IXY=	123304+000	STL=	-168283+001	STZ=	-285247+001	ALPHA=	-6.08
EPX=	-161956-002	EPY=	-581165-002	EXY=	-242556-003	EPZ=	-161606-002	EPZ=	-581516-002	ALEPS=	-1.66
ELEM	878	IAU=	6920+000	EPG=	4002+001	SIL=	2594+001	EIT=	728+001	YNT=	350
STX=	354674-001	STY=	-135512+001	IXY=	-686850-001	STL=	371694-001	STZ=	-735682+001	ALPHA=	-2.00
EPX=	190340-001	EPY=	-191872+001	EXY=	-118487+001	EPZ=	190312-001	EPZ=	-200849-001	ALEPS=	-8.61
ELEM	879	IAU=	9728+000	EPG=	9723-001	SIL=	-1163+001	EIT=	352+002	YNT=	400
STX=	-139514+001	STY=	-323339+001	IXY=	-318598+000	STL=	-134169+001	STZ=	-328704+001	ALPHA=	-9.56
EPX=	190340-001	EPY=	-676065-001	EXY=	-285558-001	EPZ=	213262-001	EPZ=	-698988-001	ALEPS=	-9.12
ELEM	880	IAU=	5285+000	EPG=	5200-001	SIL=	-6802+000	EIT=	243+001	YNT=	400
STX=	-123204+000	STY=	-118102+001	IXY=	243451-001	STL=	-124641+000	STZ=	-118158+001	ALPHA=	1.32
EPX=	122616-001	EPY=	-366732-001	EXY=	260515+002	EPZ=	122943+001	EPZ=	-367059-001	ALEPS=	1.55
ELEM	881	IAU=	1130+001	EPG=	5902-001	SIL=	-7811+000	EIT=	544+001	YNT=	400
STX=	-266015+000	STY=	-182615+001	IXY=	380112+000	STL=	329522+000	STZ=	-194160+001	ALPHA=	9.78
EPX=	132675-001	EPY=	-366828-001	EXY=	314435-001	EPZ=	178057-001	EPZ=	-412190-001	ALEPS=	16.09
ELEM	882	IAU=	5712+000	EPG=	5439-001	SIL=	-6600-001	EIT=	258+001	YNT=	400
STX=	-142304+000	STY=	-126770+001	IXY=	-984725-001	STL=	-133832+000	STZ=	-127625+001	ALPHA=	-4.96
EPX=	948281-002	EPY=	-624191-001	EXY=	220252+001	EPZ=	112272-001	EPZ=	-545459-001	ALEPS=	11.50
ELEM	883	IAU=	6097+000	EPG=	4983-001	SIL=	-2250+000	EIT=	784+001	YNT=	400
STX=	-562294+000	STY=	-168020+001	IXY=	-243068+000	STL=	-511754+000	STZ=	-173124+001	ALPHA=	-11.75
EPX=	513844-002	EPY=	-424191-001	EXY=	141933-001	EPZ=	617481-002	EPZ=	-634555-001	ALEPS=	8.31
ELEM	884	IAU=	5247+000	EPG=	5272-001	SIL=	-6854+001	EIT=	113+000	YNT=	400
STX=	-156915+000	STY=	-898672+000	IXY=	-371169+000	STL=	308641-002	STZ=	-105250+001	ALPHA=	-22.51
EPX=	100441-001	EPY=	-418268-001	EXY=	919036+002	EPZ=	104706+001	EPZ=	-322484-001	ALEPS=	5.13
ELEM	885	IAU=	7302+000	EPG=	6969-001	SIL=	-3408+000	EIT=	643+002	YNT=	400
STX=	-440590+000	STY=	-893629+000	IXY=	407082-001	STL=	-436861+000	STZ=	-897328+000	ALPHA=	5.09
EPX=	795344-003	EPY=	-269570-001	EXY=	612223-001	EPZ=	117660-001	EPZ=	-379277-001	ALEPS=	28.03
ELEM	886	IAU=	5771+000	EPG=	2886-001	SIL=	-2520-001	EIT=	543+001	YNT=	400
STX=	327280+000	STY=	-82762+000	IXY=	-347244-001	STL=	328334+000	STZ=	-825808+000	ALPHA=	-1.72
EPX=	906836-002	EPY=	-140812-001	EXY=	185016-001	EPZ=	123241-001	EPZ=	-164389-001	ALEPS=	19.94
ELEM	887	IAU=	5869+000	EPG=	2534-001	SIL=	-2893+000	EIT=	443+001	YNT=	400
STX=	-180513+000	STY=	-893355+000	IXY=	290470+000	STL=	257440+000	STZ=	-916282+000	ALPHA=	14.83
EPX=	755197-002	EPY=	-159325-001	EXY=	975017-002	EPZ=	852760-002	EPZ=	-168081-001	ALEPS=	11.32
ELEM	888	IAU=	1560+000	EPG=	2371-002	SIL=	-1164+000	EIT=	271+003	YNT=	350
STX=	-575830+000	STY=	-754361+000	IXY=	127908+000	STL=	-509119+000	STZ=	-821072+000	ALPHA=	27.54
EPX=	-769172-003	EPY=	-156503-002	EXY=	224033+002	EPZ=	833461-003	EPZ=	-236254-002	ALEPS=	35.45
ELEM	889	IAU=	5050+000	EPG=	2307-001	SIL=	-6079-001	EIT=	173+002	YNT=	350
STX=	-539333+000	STY=	-612716+002	IXY=	628876+000	STL=	232264+000	STZ=	-177729+000	ALPHA=	60.93
EPX=	-972235-002	EPY=	606082-002	EXY=	168702-001	EPZ=	970210-002	EPZ=	-133636-001	ALEPS=	-23.41
ELEM	890	IAU=	2597+000	EPG=	1903-002	SIL=	-9183-001	EIT=	119+002	YNT=	350
STX=	-174057+000	STY=	-106758+000	IXY=	-859639+000	STL=	793189-001	STZ=	-640114+000	ALPHA=	-44.30
EPX=	-163218-002	EPY=	-215709-002	EXY=	-183121-002	EPZ=	-942154-003	EPZ=	-284711-002	ALEPS=	-37.00
ELEM	891	IAU=	1063+000	EPG=	3129-002	SIL=	-7673-001	EIT=	228+003	YNT=	350
STX=	-695118+000	STY=	-378011+000	IXY=	886989-001	STL=	330119+000	STZ=	-342800+000	ALPHA=	61.74
EPX=	-125018-002	EPY=	-215709-002	EXY=	-899479-002	EPZ=	-139080-003	EPZ=	-326818-002	ALEPS=	-36.58
ELEM	892	IAU=	6354+000	EPG=	7195+002	SIL=	-5627+000	EIT=	154+002	YNT=	350
STX=	-138849+000	STY=	-800101+000	IXY=	-542553+000	STL=	165881+000	STZ=	-110483+001	ALPHA=	-29.92
EPX=	-261680-003	EPY=	-272046-002	EXY=	-618153-002	EPZ=	273811-002	EPZ=	-567702-002	ALEPS=	-29.61
ELEM	893	IAU=	5739+000	EPG=	9936-002	SIL=	-7055-002	EIT=	199+002	YNT=	350

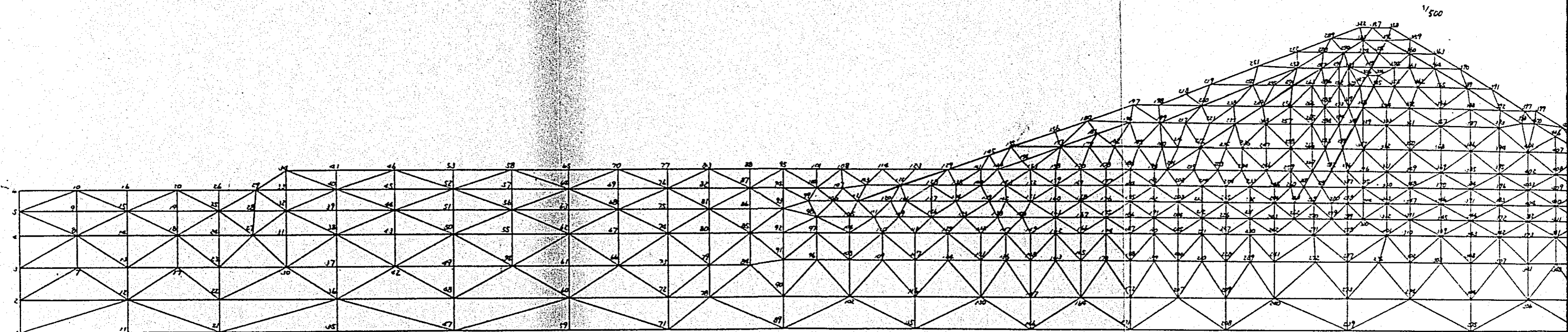
STX=	765068-002	STY=	-457311+000	TXY=	524740+000	STI=	369103+000	STZ=	-798763+000	ALPHA=	33.05
EPX=	293132-002	FPI=	-406249-002	LXY=	703769-002	EPJ=	461238-002	EPZ=	-552353-002	ALEPS=	22.55
ELEM	894	IAU=	2848+000	EPG=	6230-001	STL=	-1816+000	EPY=	876+001	YNT=	.450
STX=	-178331+000	STY=	-747430+000	TXY=	112173-001	STI=	178110+000	STZ=	-747651+000	ALPHA=	1.13
EPX=	181458-001	FPI=	-527052-001	LXY=	133660-001	EPJ=	388712-000	EPZ=	-434290-001	ALEPS=	6.19
ELEM	895	IAU=	4041+000	EPG=	6050-001	STL=	-4078+000	EPY=	253+001	YNT=	.450
STX=	-992659+001	STY=	-902345+000	TXY=	793121-002	STI=	-921880-001	STZ=	-902423+000	ALPHA=	-2.56
EPX=	233655-001	FPI=	-368441-001	LXY=	-595357-002	EPJ=	235123-001	EPZ=	-369910-001	ALEPS=	-2.82
ELEM	896	IAU=	1028+000	EPG=	5185-001	STL=	-1332+000	EPY=	139+001	YNT=	.450
STX=	-363812-001	STY=	-590389+000	TXY=	133931+000	STI=	-531239-002	STZ=	-621058+000	ALPHA=	12.90
EPX=	192644-001	FPI=	-276298+001	LXY=	205566-001	EPJ=	220911-001	EPZ=	-292754-001	ALEPS=	13.68
ELEM	897	IAU=	4798+000	EPG=	7054-001	STL=	-3541+000	EPY=	109+001	YNT=	.450
STX=	-590152-001	STY=	-832620+000	TXY=	162330+000	STI=	828840-001	STZ=	-826652+000	ALPHA=	9.09
EPX=	323116-001	FPI=	-611910-001	LXY=	219530-001	EPJ=	337395-001	EPZ=	-427995-001	ALEPS=	8.33
ELEM	898	IAU=	4984+000	EPG=	2624-001	STL=	-7701+000	EPY=	278+001	YNT=	.450
STX=	-327530+000	STY=	-130353+001	TXY=	101272+000	STI=	-317132+000	STZ=	-131393+001	ALPHA=	5.86
EPX=	282240-001	FPI=	-645280-001	LXY=	106339-001	EPJ=	292811-001	EPZ=	-569521-001	ALEPS=	3.94
ELEM	899	IAU=	5723+000	EPG=	5668-001	STL=	-6242+000	EPY=	446+001	YNT=	.400
STX=	-263002+000	STY=	-340058+001	TXY=	-640523-001	STI=	-238922+000	STZ=	-140418+001	ALPHA=	-3.21
EPX=	172616-001	FPI=	-392910-001	LXY=	376598-002	EPJ=	-173243-001	EPZ=	-393537-001	ALEPS=	1.90
ELEM	900	IAU=	2298+000	EPG=	3312-001	STL=	-6745-001	EPY=	834+000	YNT=	.400
STX=	-526946-001	STY=	-548697+000	TXY=	129467+000	STI=	-207455-001	STZ=	-580440+000	ALPHA=	-13.78
EPX=	696361-002	FPI=	-258662-001	LXY=	640285-002	EPJ=	211091-002	EPZ=	-260115-001	ALEPS=	3.82
ELEM	901	IAU=	5723+000	EPG=	7631-001	STL=	-3687+000	EPY=	618+001	YNT=	.400
STX=	-263671+000	STY=	-640128+000	TXY=	-333080+000	STI=	384020+000	STZ=	-760546+000	ALPHA=	-18.92
EPX=	513844-002	FPI=	-803801-002	LXY=	-960778-002	EPJ=	670387-002	EPZ=	-960344-002	ALEPS=	-18.05
ELEM	902	IAU=	2595+000	EPG=	2686-001	STL=	-2012+000	EPY=	164+002	YNT=	.400
STX=	-360757+000	STY=	-770289+000	TXY=	159409+000	STI=	-306023+000	STZ=	-825023+000	ALPHA=	18.95
EPX=	793344-001	FPI=	-803801-002	LXY=	253691-001	EPJ=	981015-002	EPZ=	-170528-002	ALEPS=	35.60
ELEM	903	IAU=	1151+000	EPG=	2465-001	STL=	-2453-001	EPY=	122+002	YNT=	.350
STX=	-551254+000	STY=	-251833+000	TXY=	-273300+000	STI=	-864321-001	STZ=	-716698+000	ALPHA=	120.82
EPX=	-134557-002	FPI=	-220733-002	LXY=	246178-001	EPJ=	103484-001	EPZ=	-143015-001	ALEPS=	43.53
ELEM	904	IAU=	4070+000	EPG=	6231-002	STL=	-1296+000	EPY=	164+002	YNT=	.350
STX=	-354986+000	STY=	-460483+000	TXY=	604679+000	STI=	199239+000	STZ=	-101471+001	ALPHA=	42.51
EPX=	-789172-003	FPI=	-260731-002	LXY=	596226-002	EPJ=	141841-002	EPZ=	-681421-002	ALEPS=	36.52
ELEM	905	IAU=	4116+000	EPG=	4666-002	STL=	-1828+000	EPY=	168+002	YNT=	.350
STX=	-232011+000	STY=	-290330+000	TXY=	-610632+000	STI=	150476+000	STZ=	-672817+000	ALPHA=	42.97
EPX=	-295635-003	FPI=	-580558-003	LXY=	-643661-002	EPJ=	179979-002	EPZ=	-264599-002	ALEPS=	-42.97
ELEM	906	IAU=	5513+000	EPG=	5954-002	STL=	-3192+000	EPY=	128+002	YNT=	.350
STX=	944006-001	STY=	-190770+001	TXY=	-168117-001	STI=	946629-001	STZ=	-100795+001	ALPHA=	-.87
EPX=	-233542-002	FPI=	-371543-002	LXY=	-181566-003	EPJ=	223730-002	EPZ=	-321683-002	ALEPS=	-.87
ELEM	907	IAU=	3602+000	EPG=	2594-002	STL=	-6077-001	EPY=	117+003	YNT=	.350
STX=	-255218-002	STY=	-176183+000	TXY=	-222964+000	STI=	327022+000	STZ=	-133391+000	ALPHA=	58.92
EPX=	-341944-003	FPI=	623226-003	LXY=	260801-002	EPJ=	143774-002	EPZ=	-115648-002	ALEPS=	-34.08
ELEM	908	IAU=	2754+000	EPG=	2662-001	STL=	-4922+000	EPY=	119+002	YNT=	.450
STX=	-273242+000	STY=	-820566+000	TXY=	-308702-001	STI=	-271526+000	STZ=	-822302+000	ALPHA=	-3.22
EPX=	105831-001	FPI=	-158692+001	LXY=	-298472-002	EPJ=	106670-001	EPZ=	-199338-001	ALEPS=	-3.22
ELEM	909	IAU=	3413+000	EPG=	3299-001	STL=	-1162+000	EPY=	127+002	YNT=	.450
STX=	-703666+000	STY=	-212142+000	TXY=	482745-002	STI=	470402+000	STZ=	-212176+000	ALPHA=	.41
EPX=	171180-001	FPI=	-158699-001	LXY=	466653-003	EPJ=	171197-001	EPZ=	-158716-001	ALEPS=	.41
ELEM	910	IAU=	9283-001	EPG=	9457-002	STL=	5972+001	EPY=	192+002	YNT=	.450
STX=	142726+000	STY=	-990457-002	TXY=	-612109-001	STI=	364241+000	STZ=	-314197-001	ALPHA=	-19.37
EPX=	-00956-002	FPI=	-336759-002	LXY=	-591206-002	EPJ=	508946-002	EPZ=	-460749-002	ALEPS=	19.37
ELEM	911	IAU=	4278+000	EPG=	1256-001	STL=	-4384+000	EPY=	168+001	YNT=	.400
STX=	796739-001	STY=	-117569+001	TXY=	-120444-001	STI=	792893-001	STZ=	-317578-001	ALPHA=	-.55
EPX=	-240000-001	FPI=	-240000-001	LXY=	-240000-001	EPJ=	-240000-001	EPZ=	-240000-001	ALEPS=	-.55

STX=	-.979189-001	STY=	-.264347+000	TX=	.745580+000	STZ=	-.920300+000	ALPHA=	42.20
EPX=	.118121-003	EPY=	-.672593-003	EXY=	.805227-002	EPZ=	-.432273-002	ALEPS=	42.20
ELEM	914	TAU=	.52681000	EPG=	.9004-002	EII=	.0000	YNI=	.350
STX=	-.290017+000	STY=	-.410870-001	TX=	-.886129+000	STZ=	.729274+000	ALPHA=	131.00
EPX=	-.940304-003	EPY=	-.603216-001	EXY=	-.257020-002	EPZ=	-.510226-002	ALEPS=	41.00
ELEM	915	TAU=	.1093+001	EPG=	.1180-001	EII=	.0000	YNI=	.350
STX=	-.200682+001	STY=	.784797-001	TX=	.326346+000	STZ=	.128333+000	ALPHA=	81.31
EPX=	-.719220-002	EPY=	.406835-002	EXY=	.352453-002	EPZ=	-.746161-002	ALEPS=	-8.69
ELEM	916	TAU=	.8162+000	EPG=	.8299+002	EII=	.0000	YNI=	.350
STX=	-.899500+000	STY=	-.450850+000	TX=	.455972+000	STZ=	-.590392+000	ALPHA=	17.02
EPX=	-.600950-002	EPY=	-.328245-002	EXY=	.422450-002	EPZ=	-.403618-002	ALEPS=	17.02
ELEM	917	TAU=	.6966+000	EPG=	.5363-002	EII=	.0000	YNI=	.350
STX=	-.103847+001	STY=	-.588274+001	TX=	.848265-001	STZ=	-.104572+001	ALPHA=	85.08
EPX=	-.353189-002	EPY=	.175258-002	EXY=	.916126-003	EPZ=	-.357130-002	ALEPS=	-4.92
ELEM	918	TAU=	.4863+000	EPG=	.5252-002	EII=	.0000	YNI=	.350
STX=	-.254072+000	STY=	-.223058+000	TX=	.486020+000	STZ=	-.724806+000	ALPHA=	45.91
EPX=	-.470038-003	EPY=	-.302811-003	EXY=	.524902-002	EPZ=	-.303227-002	ALEPS=	-44.09

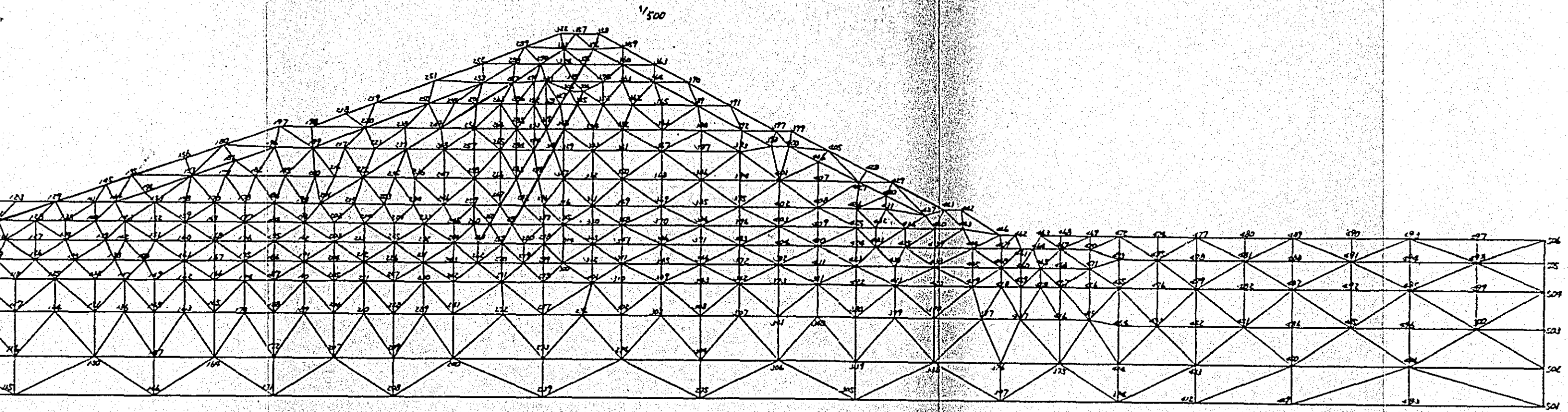
END PROGRAM EXECUTION

BTM

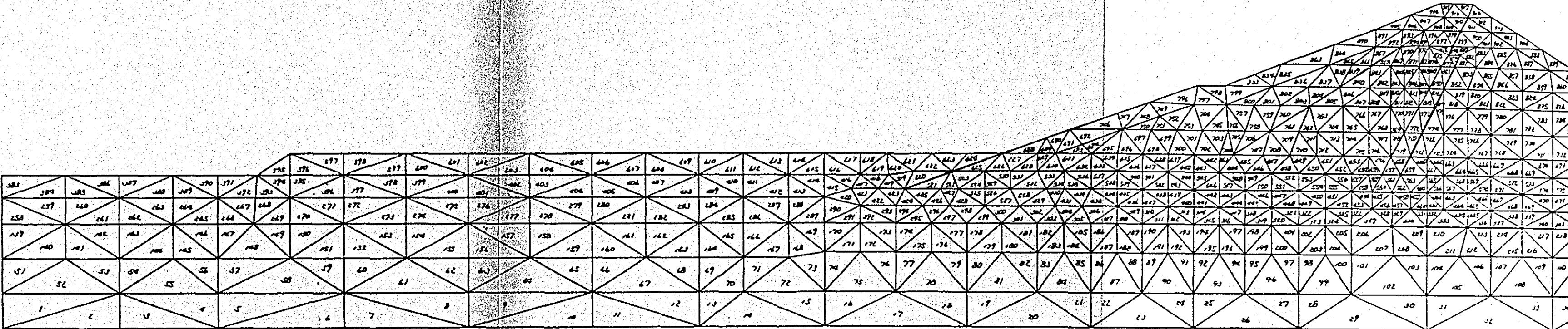
(2) 剛連図



節点番号

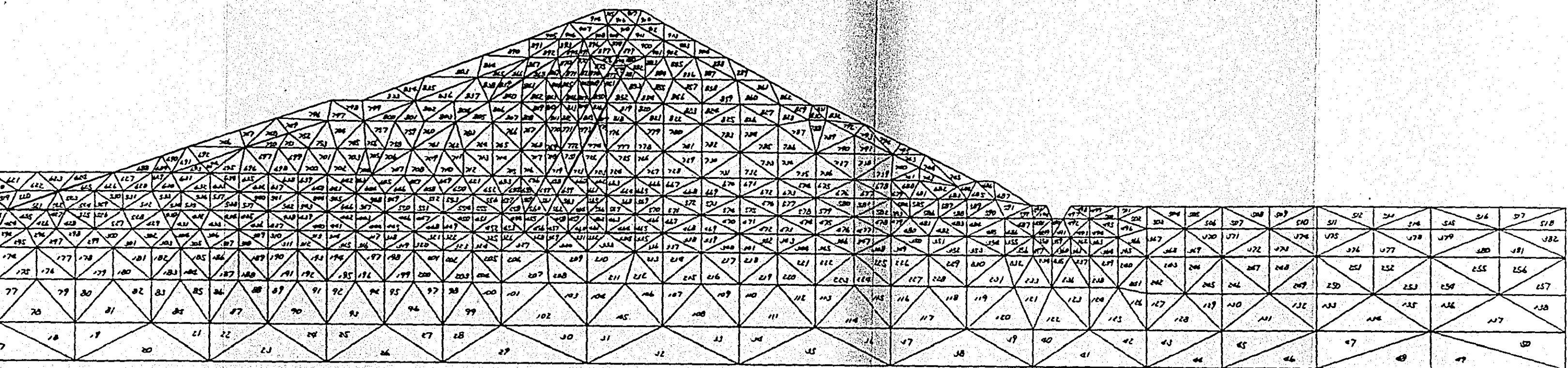


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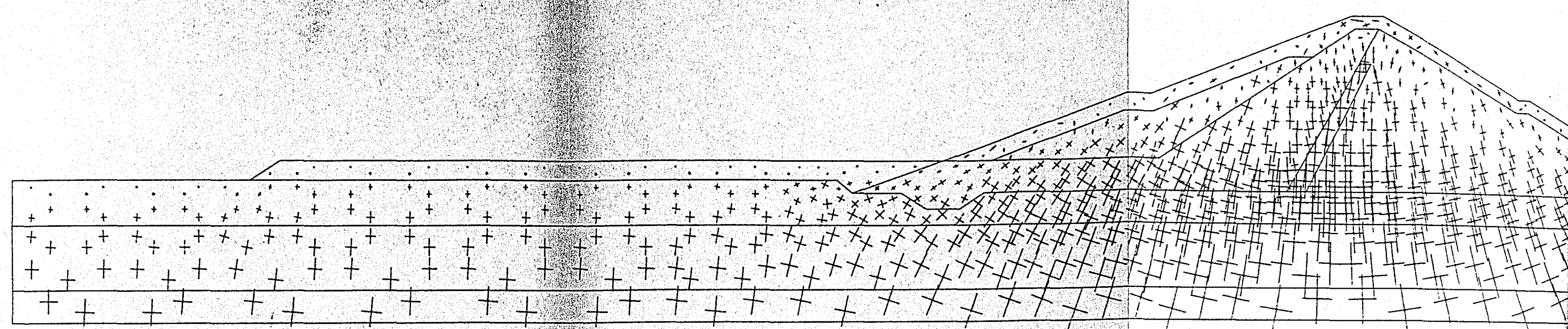


要素番号

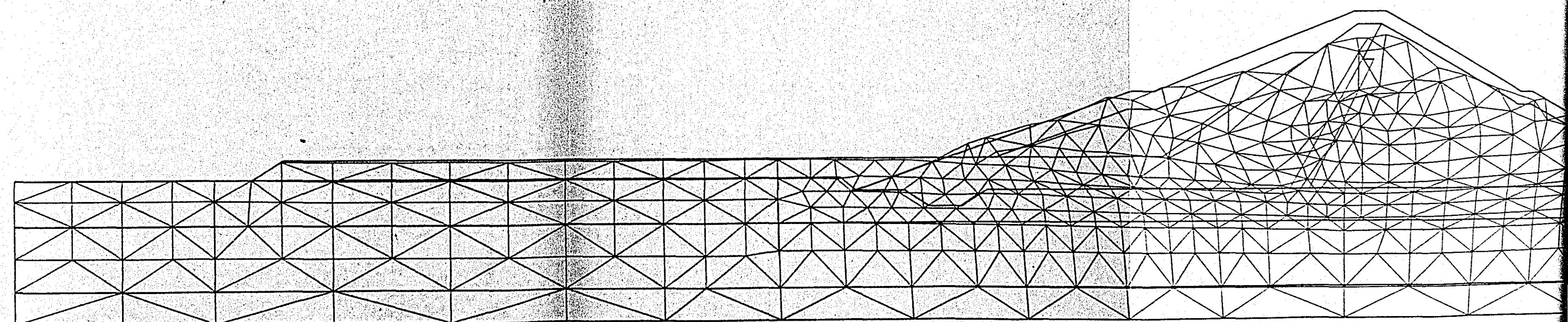
1/500



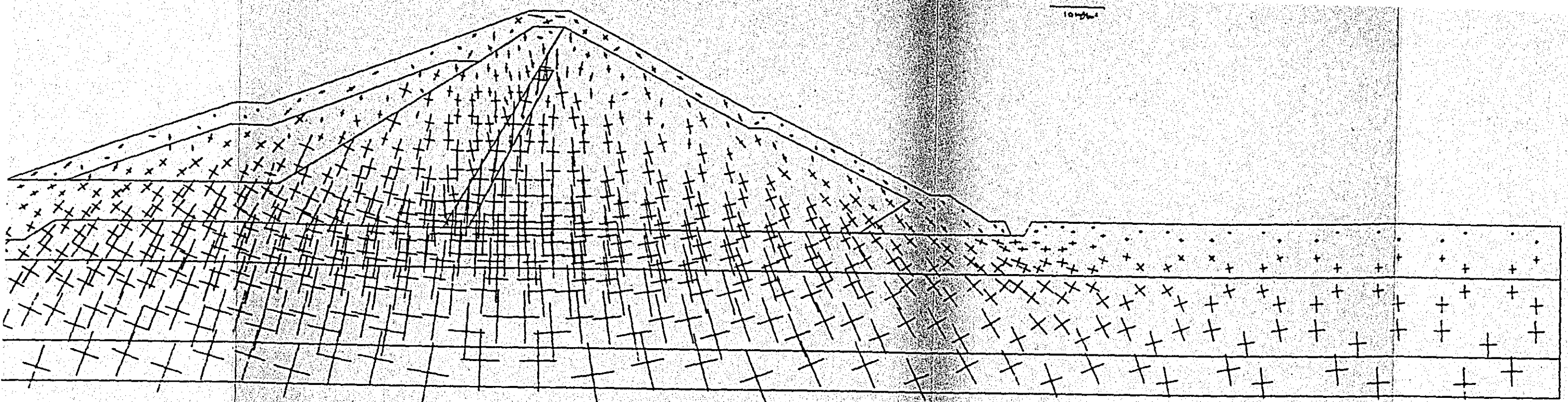
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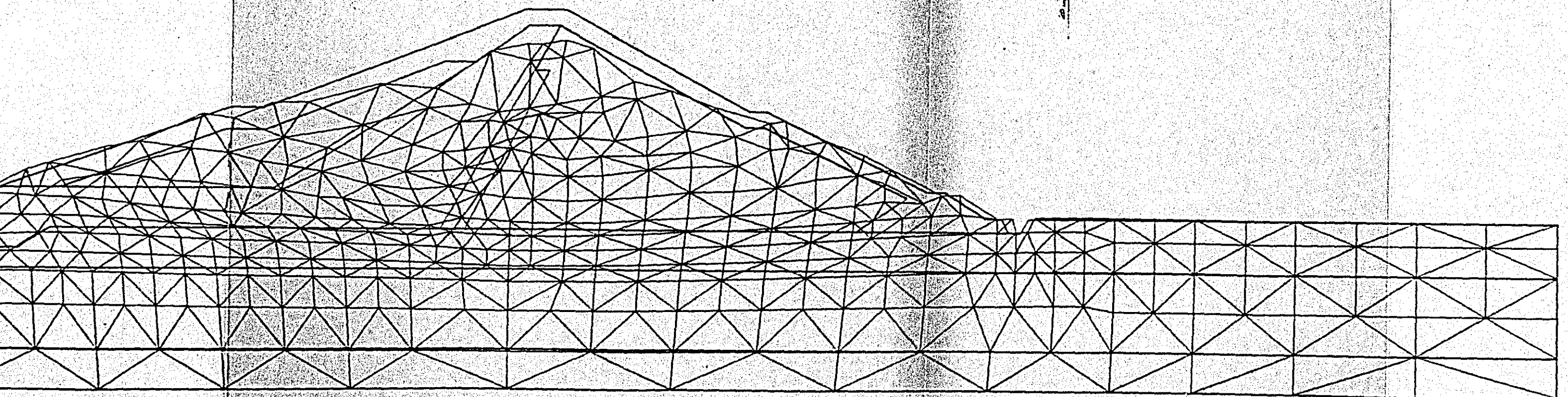
三定力分布圖 (縮尺 1/500)



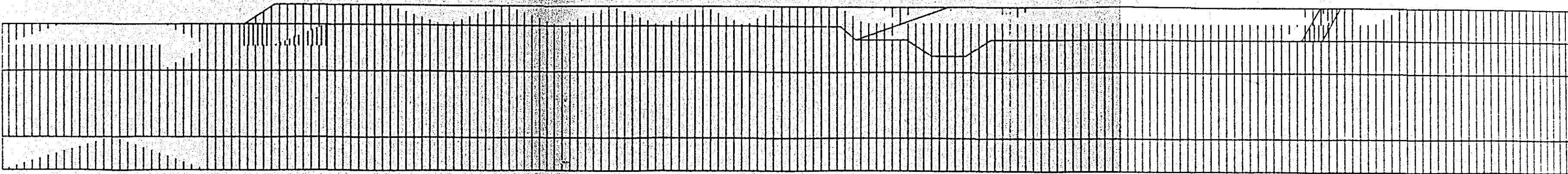
変位圖 (縮尺 1/500)



主应力分布图 (比例 1/500)

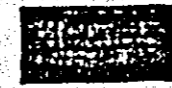


位移图 (比例 1/500)

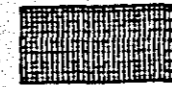


SL分布図 (1)

SL 值



$0.9 \leq$



$0.7 \leq < 0.9$



$0.5 \leq < 0.7$



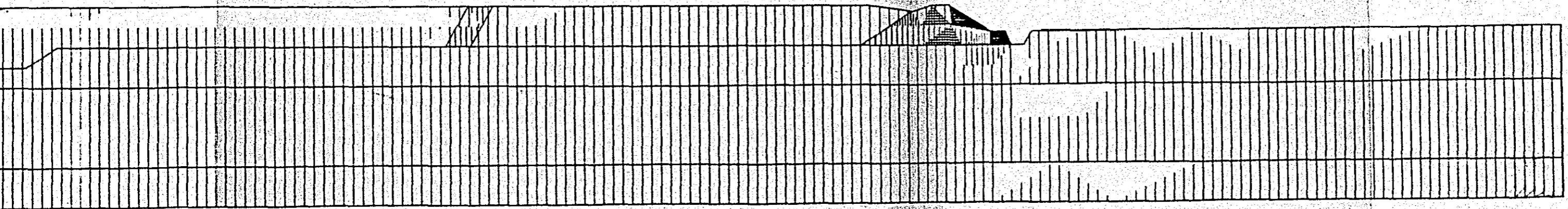
$0.3 \leq < 0.5$



$0.1 \leq < 0.3$

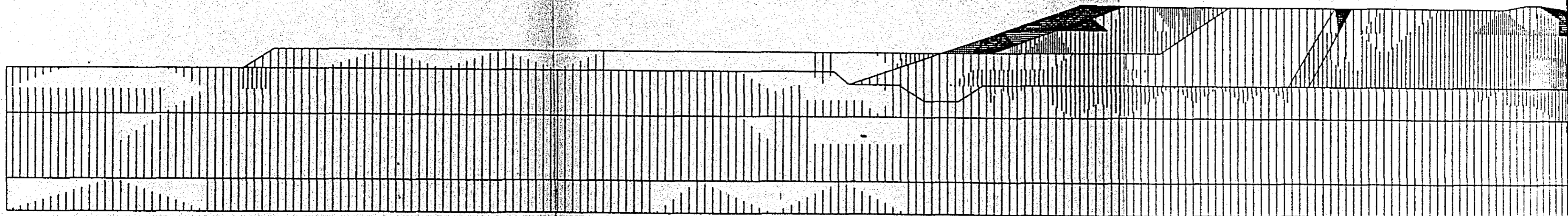


< 0.1

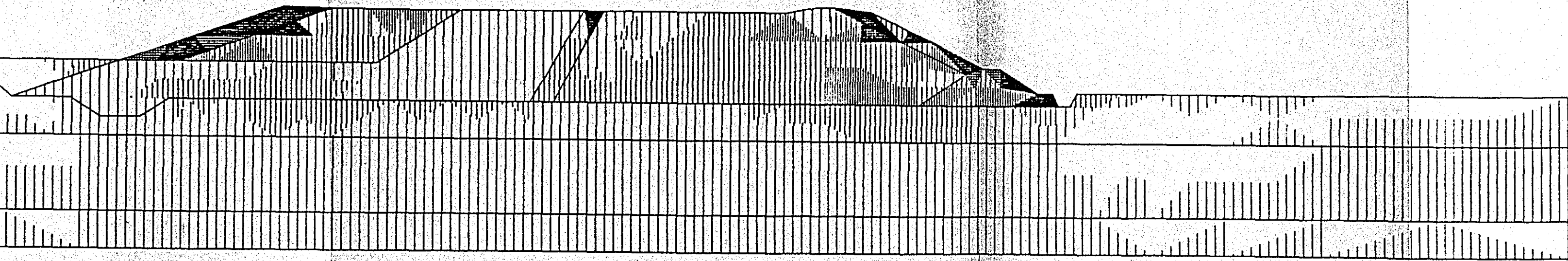
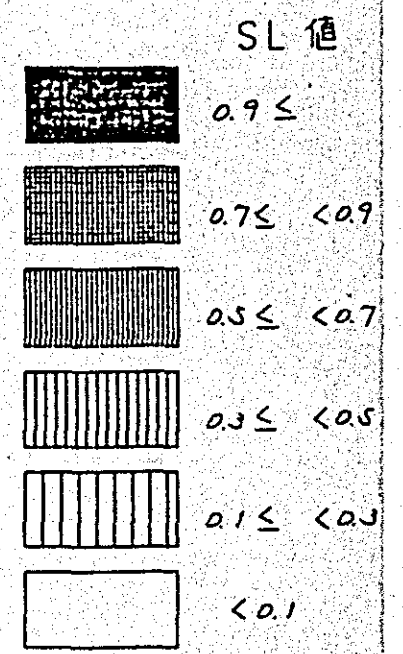


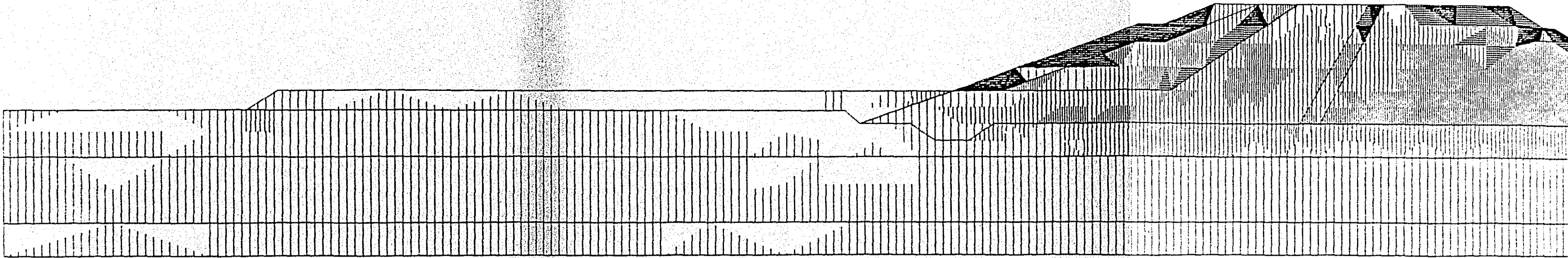
SL 分布图 (1)

SL分布图(2)

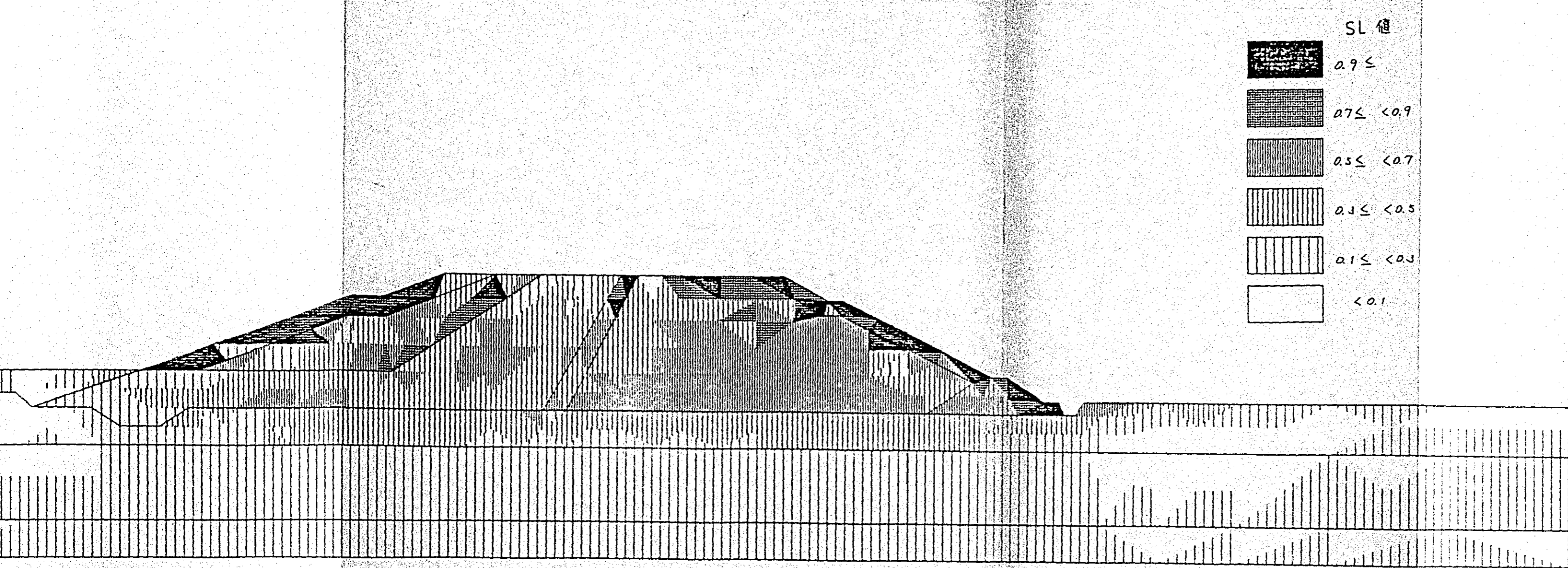


SL分布图(2)





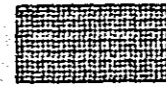
SLA 中 国 (3)



SL 値



$0.9 \leq$



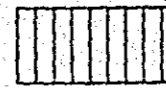
$0.7 \leq < 0.9$



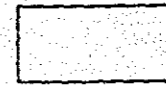
$0.5 \leq < 0.7$



$0.3 \leq < 0.5$



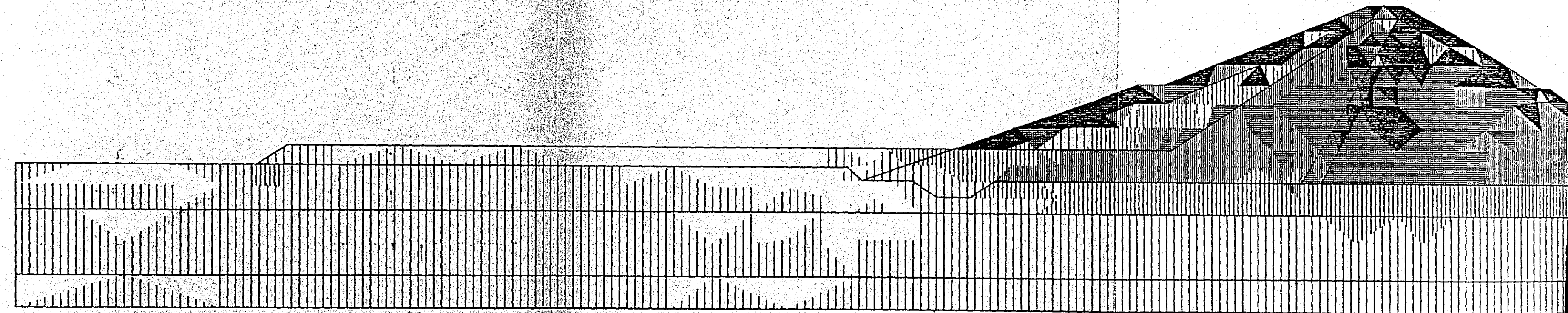
$0.1 \leq < 0.3$



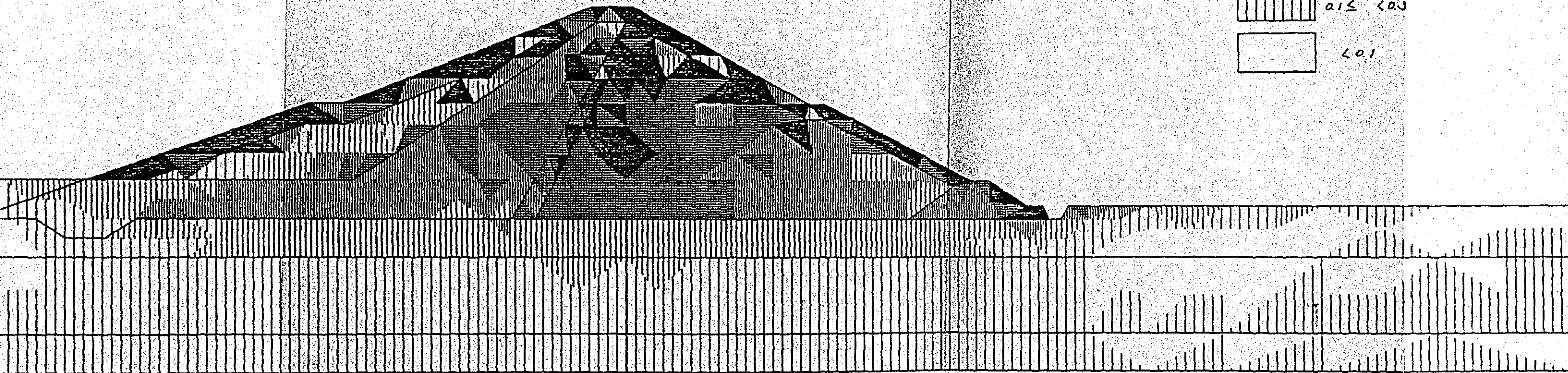
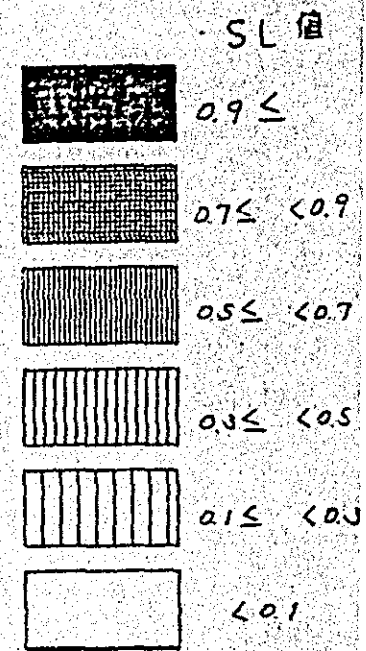
< 0.1

SL分中図 (3)

SL分布图(4)



SL分布图(4)

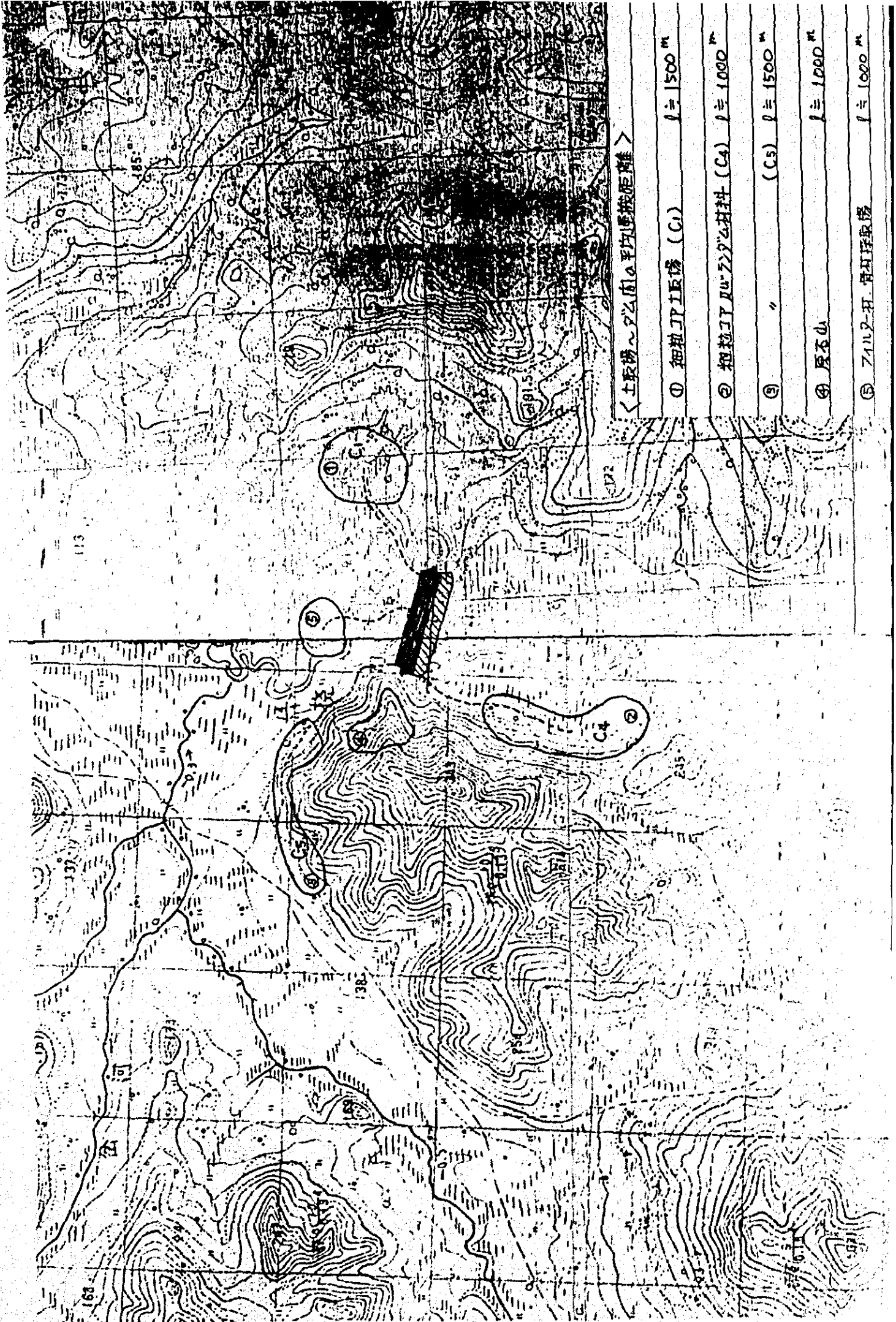


1.8 施工・積算資料

- (1) 堤体材料の採取場所別使用区分
- (2) 掘削土の流用捨土計画
- (3) 施工機械の能力計算一覧表
- (4) 仮排水トンネル工
- (5) 砕石生産設備
- (6) コンクリート生産設備

(1) 堤体材料の採取場所別使用区分

材 料	盛 立 量 (m ³)	採取場所	左の盛立量	土 型 換 算 等	運 搬 量 (m ³)	地 山 量 (m ³)	備 考
不透水打料	327,260	才2工取場	327,260	f ₁ = 5%, f = 0.90	363,620	382,760	} 416,110
カット材	28,510	"	28,510	"	31,680	33,350	
半透水材料	639,870	才3工取場	639,870	"	710,970	748,390	
木平打料	215,790	洪水吐	171,000	"	190,000	200,000	
		才1工取場	44,790	"	49,770	52,390	
抗凍層	202,110	ババスタセル	7,380	f ₁ = 5%, f ₂ = 5%, f = 1.31	(5,930) (5,630)	6,240	ババスタセルの50%を仮置に流用 12480/2 = 6240
		原石山	194,730	f ₁ = 5%, f = 1.31	148,650	156,470	} 175,210
下流ドレーン	23,320	原石山	23,320	f ₁ = 5%, f = 1.31	17,800	18,740	
フィル材	35,040	河床採石場	35,040	f ₁ = 5%, f = 0.95	36,880	38,820	} 45,390
木平ドレーン	5,930	河床採石場	5,930	f ₁ = 5%, f = 0.95	6,240	6,570	
計	1,477,830						



土取場へ至る間の平均距離距離

- ① 細粒JF土取場 (C1) $\rho \approx 1500 \text{ M}$
- ② 粗粒JF土取場 (C2) $\rho \approx 1000 \text{ M}$
- ③ " (C3) $\rho \approx 1500 \text{ M}$
- ④ 灰石山 $\rho \approx 1000 \text{ M}$
- ⑤ 7112-班 骨埋採取場 $\rho \approx 1000 \text{ M}$

② 本堤関係

発生箇所	土質	地山量	流用計画			捨土計画		備考
			流用土(地山) 20%	土型換算等	盛土量	流用先	残土量	
本堤敷	表土	192.630	154.100	$i_1 = 5\%$ $f = 0.90$	131.760	仮擁切		
			38.530	$i_1 = 5\%$ $f = \frac{1.25 \times 0.90}{2} = 1.00$			39.530	
	風化岩	6.020	6.020	$i_1 = 5\%$ $f = \frac{1.7 + 1.31}{2} = 1.50$			8.580	
	"	16.500	16.500	"			23.510	トビ子分
本堤敷外	表土	63.050	63.050	$i_1 = 5\%$ $f = 1.08$			68.690	
	普通土	82.780	82.780	$i_1 = 5\%$ $f = 0.90$	70.780	仮擁切		
カトヲ部	普通土	28.510	28.510	$i_1 = 5\%$ $f = 1.00$			29.250	
仮擁切敷	表土	41.860	41.860	"			42.950	

③ 土取揚関係

発生源所	土質	心山量	流用計画			捨土計画		備考
			流用土(心山)	土量換算等	盛土量	流用先	残土量	
才1土取揚	普通土	55,150	95% 52,390	$l_1 = 5\%$, $f = 0.90$	44,790	77727ト	$l = 1500^m$	
			5% 2,760	$l_1 = 5\%$, $f = \frac{1.25 \times 0.90}{2} = 0.56$			$l = 1000^m$	
才2土取揚	普通土	489,540	85% 416,319	$l_1 = 5\%$, $f = 0.90$	327,260	不透水	$l = 1000^m$	
			15% 73,221	"	28,510	カントナ	"	
				"	62,780	仮締切	"	
才3土取揚	普通土	880,460	85% 748,391	$l_1 = 5\%$, $f = 0.90$	639,870	半透水	$l = 1500^m$	
			15% 132,069	"	1,740	仮締切	$l = 1500^m$	
				$l_1 = 5\%$, $f = 1.00$	133,410		$l = 1000^m$	
		1,425,150						

④ 原石山及U河床採石場關係

發生源所	土質	炮山量	流用計画			捨土計画		備考
			流用土(炮山)	土發換算等	盛土量	流用先	殘土量	
原石山	普通土	19,470	19,470	0.5%, f=1.08			19,980	
	岩	194,680	156,470 90%	0.5%, f=1.31	194,730	194,730		
			18,740		23,320	23,320		
			19,470	0.5%, f=1.50			27,740	道86折06
河床採石場	砂 砂土	50,430	38,820 90%	0.5%, f=0.95	35,040	35,040	74,19-折	
			6,570		5,930	5,930	本折11-折	
			5,040	0.5%, f=1.11+0.95/2			4,930	

迎而山ア之用土流用計画表

工種	土質	掘削量 (m³)	仮排水路		仮溝切戻	堤			濾水層	フィルター	水平	止水吐	工捨場等 (碎石77 ト分屯)	備	考
			入口部	出口部		不透水性	半透水性	透水性							
入	系土	3,430											3,520	3630 x 0.95 x 1.08	
仮	口土砂	10,620	310										10,560	380 x 0.9 x 0.9	10220 x 0.95 x 1.08
排	部軟岩	9,440											13,450	9440 x 0.95 x 1.5	
水	部土	12,480	6540					7,380					980	6240 x 0.9 x 1.31	5550 x 0.9 x 1.31
陸	部系土	21,170	17,150											21170 x 0.9 x 0.9	
	口土砂	21,760	17,630											21760 x 0.9 x 0.9	
	部軟岩	6,830	8,650											6830 x 0.9 x 1.31	
	仮溝系土	41,860											42,950	41860 x 0.95 x 0.9	
堤	本系土	192,630			131,740								39,530	154100 x 0.95 x 0.9	38530 x 0.95 x 1.08
体	堤軟岩	22,520											32,090	22520 x 0.95 x 1.5	
	口土砂	28,510											29,250	28510 x 0.95 x 0.9	
	7土系土	63,050											64,690	63050 x 0.95 x 1.08	
	7土砂	82,780			70,780								82,830	82780 x 0.95 x 0.9	
工	取系土	2,760									44,790		2,830	2760 x 0.95 x 1.08	
	土砂	52,390											52,390	52390 x 0.95 x 0.9	
	系土	73,430			62,780								73,430	73430 x 0.95 x 0.9	
場	土砂	416,110			355,720								416,110	416110 x 0.95 x 0.9	
	系土	132,070			1,740								133,410	2040 x 0.95 x 0.9	130,030 x 0.95 x 1.08
	土砂	748,390							639,870				748,390	748390 x 0.95 x 0.9	
原	石山系土	19,470											19,980	19470 x 0.95 x 1.08	
	岩	194,680						218,050					27,740	175210 x 0.95 x 1.31	19470 x 0.95 x 1.5
河	床部砂砾	50,430								40,970			4,930	45390 x 0.95 x 0.95	5040 x 0.95 x 1.03
	系土	86,940											89,200	86940 x 0.95 x 1.08	
	工砂	306,170									171,000		47,690	2000 x 0.95 x 0.9	57620 x 0.9 x 0.9
	軟岩	125,430											128,740	125430 x 0.95 x 1.5	
	岩	78,080											111,260	78080 x 0.95 x 1.5	
合			310	40,370	547,660	355,770	639,870	225,430	40,970	40,970	225,720	48,350	92,350		

能力計算一覽表

作業区	土分	サイタル作業量		作業効率	サイタルタイム		計算式	能力	作業量	備考	要
		使用機種	q		L	Cm					
種	粘土	18 ^{m3} TS (20-7)	1344	普通の中	0.60	2M未満	4S	$\frac{3600 \times 8 \times f \times E}{Cm}$	(m ³ /hr)	8 = 1.8 x 0.73 = 1.314	
		3.2 ^{m3} TS (20-7)	2336	"	0.60	"	4S	"		8 = 3.2 x 0.73 = 2.336	
		1.8 ^{m3} TS	1152	"	0.45	"	4S	"		8 = 1.8 x 0.64 = 1.152	
運	粘土	11 ^{DT}	6111	普通の中	0.80	1000	15.5	$\frac{60 \times 8 \times f \times E}{Cm}$	(m ³ /hr)	8 = 11 / 1.8 = 6.111	
		"	6111	"	0.80	1500	18.0	"		"	
		15 ^{DT}	3333	"	0.90	1000	15.5	"		8 = 15 / 1.8 = 8.333	
岩	岩	32 ^{DT}	1777	"	0.90	1000	15.5	"		8 = 32 / 1.8 = 17.777	
		11 ^{DT}	44	"	0.90	1000	15.5	"		8 = 11 / 2.5 = 4.4	
		"	44	"	0.90	1500	18.0	"		"	
砂	砂	"	6971	"	0.90	1000	15.5	"		8 = 11 / 1.7 = 6.471	
		"	5789	"	0.90	1000	15.5	"		8 = 11 / 1.9 = 5.789	
1.711-1運搬	4.4m ³	1.711-1運搬	44	"	0.90	1500	18.0	"		13.2	

能力計算一覽表

作業区	土質	サイクル使用機種	サイクル作業量 Q (m ³)	作業条件	作業効率 E	サイクルタイム		計算式	能力	作業難度	寸	場所	要		
						L	Cm								
積込 (盛工用)	粗砂土	32 ^{MS}	2336	普通の中	0.60			$\frac{3600 \times E \times F}{Cm}$	100.9		0.90	I取場	$8 = 3.2 \times 0.73 = 2.336$		
	細砂土	(70-子)													45
	砂礫	"													45
	岩	"	2048	普通の中	0.45				96.6		1.31	原石山	$8 = 3.2 \times 0.64 = 2.048$		
土捨場整理	土砂	11 ^{BD}	1307	普通の良	0.55	20	0.93	$\frac{60 \times 8 \times F \times E}{Cm}$	46.4						
	岩	"	1307	普通の良	0.40	20	0.93	"	33.7						
	土砂	21 ^{BD}	2866	"	0.55	20	0.93	"	101.0						
	岩	"	2866	"	0.40	20	0.93	"	73.4						

左向きと反対に、50~57mと0.5mの差あり → 上部半断面の計算

2. 断面の計算
掘削断面計算表

項目	71°	B	C	D ₁	D ₂	計	備考
施工延長 (m)	60	80	20		80	240	
上半掘削断面 (m ²)	33.929	33.258	33.008	38.186			
下半 "	16.965	16.630	16.505	19.093			
合計	50.894	49.888	49.513	57.279			
上半掘削土量 (m ³)	2.036	2.661	6.60	3.055		8.412	
下半 "	1.018	1.330	3.30	1.527		4.205	
合計	3.054	3.991	9.90	4.582		12.617	
71°-1巻立断面 (m ²)	17.8	19.4	19.6	27.8			
71°-1巻立土量 (m ³)	1068.0	1552.0	392.0	2224.0		5236.0	

3. 掘削作業工程

	上部半断面				下部半断面			
	B	C	D ₁	D ₂	B	C	D ₁	D ₂
71°								
施工延長 (m)	60	80	20	80	60	80	20	80
1日当り進行長 (m)	2.22	2.20	1.85	1.75	5.22	5.50	5.89	5.40
総掘削日数 (日)	27.0	36.4	10.8	45.7	11.5	14.5	3.4	14.8
掘削工期 (x 30/25) (日)	32.4	43.7	13.0	54.8	13.8	17.4	4.1	17.8
合計				143.9				53.1

全掘削工期 : 143.9 + 53.1 = 197.0 日

4. 小石採削工

(1) 標準掘削ヤリルヤム 建設 7-12-2 ~ 4

作業種別	B 217°		C 217°		D 217°		D 217°		備考
	上	下	上	下	上	下	上	下	
削岩準備 (切)	15	10	15	10	15	10	15	10	
穿孔	79	70	52	54	25	32	30	37	T ₁
装薬 ~ 爆破	40	30	40	30	80	30	40	30	
煙気 ~ 小石	45	20	45	20	45	20	45	20	
浮石落し	20	20	20	20	20	20	20	20	
小計	199	150	172	134	145	112	150	117	
切り出し準備	10	10	10	10	10	10	10	10	
切り出し	219	168	198	165	147	164	170	189	T ₂
跡片付	10	10	10	10	10	10	10	10	
集	10	-	10	-	10	-	10	-	
し									
小計	249	188	228	185	177	184	200	209	
工程準備	15	-	15	-	15	-	15	-	
建設	20	-	8.0	-	100	-	100	-	B:70, C:80, D:100
し									
小計	85	-	95	-	115	-	115	-	
その他項等	30	30	30	30	30	30	30	30	
合計	563	368	525	349	467	326	495	356	
爆破進行長	1.3	2.0	1.2	2.0	0.9	2.0	0.9	2.0	
本当リヤリル数	0.853	1.305	0.915	1.376	1.028	1.473	0.970	1.349	作業 480分
10当リヤリル数	1.706	2.610	1.830	2.752	2.056	2.946	1.940	2.698	2交管厚板作業
10当リ進行長	2.22	5.22	2.20	5.50	1.85	5.89	1.75	5.40	

(3) 穿孔(時間)及心線材料

事項	A 717°		B 717°		C 717°		D ₁ 717°		D ₂ 717°		備考
	上	下	上	下	上	下	上	下	上	下	
(1) 穿孔(時間)											
掘削機(時間) (分)	33.929	16.985	33.258	16.630	33.008	16.505	38.186	19.093			
10.5" 穿孔(1.5)	2.5	1.7	2.0	1.5	1.5	1.0	1.5	1.0	1.5	1.0	建7-8-1
穿孔(1.5)	8.5	2.9	6.7	2.5	5.0	1.7	5.8	1.9			
穴ノ芯材(チップ) 合計	5	3	5	3	5	3	5	3	5	3	建7-8-4
1台ノリテ持テ(1.5)	1.7	1.0	1.4	0.9	1.0	0.6	1.2	0.7	1.2	0.7	N=347/台数
1線ノ進(1.5)	1.3	2.0	1.2	2.0	0.9	2.0	0.9	2.0	0.9	2.0	建7-8-2
穿孔(1.5)	1.4	2.1	1.3	2.1	1.0	2.1	1.0	2.1	1.0	2.1	
7.5" 穿孔(1.5)	0.30	0.30	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.40	
1.5" 穿孔(1.5)	2.9	7.0	5.2	5.4	2.5	3.2	3.0	3.7	3.0	3.7	T ₁ = 穿孔ノ進(1.5)
(2) 材料											
1線ノ破(1.5)	44.11	33.93	39.91	33.26	29.71	33.01	34.37	38.19			火薬 上 8.0g 下 0.5
チップ(1.5)	5	3	5	3	5	3	5	3	5	3	C. 0.6 D. 0.4
チップ(1.5)	2	1	2	1	2	1	2	1	2	1	D. 0.4 0.3
火薬(1.5)	35.3	17.0	24.0	13.3	11.9	9.9	13.8	11.5			
チップ(1.5)	1.10	0.85	0.80	0.67	0.45	0.50	0.52	0.57			
チップ(1.5)	0.62	0.48	0.44	0.37	0.18	0.20	0.21	0.23			
チップ(1.5)	8.5	2.9	6.7	2.5	5.0	1.7	5.8	1.9			穿孔ノ進(1.5)

チップノ進(1.5) B C D
 0.025 0.020 0.015 10/m³

チップノ進(1.5) B C D
 0.014 0.011 0.006 10/m³

(4) 可引桥公存板運輸時間計算表

	P17°		B217°		C217°		D1217°		D2217°		備考
	上	下	上	下	上	下	上	下	上	下	
振板打倒面積	A (m ²)	33.929	16.965	33.258	16.630	33.008	16.505	38.186	19.093		
1塊破算行走	L (m)	1.3	2.0	1.2	2.0	0.9	2.0	0.9	2.0		
1塊破板行走	Q ₀ (m ²)	44.11	33.93	39.91	33.26	29.71	33.01	34.37	38.19		Q ₀ = A · l
3°0' 破板時間	T ₃ (分)	219	168	198	165	147	164	170	189		T ₃ = 60Q ₀ / Q _s
1塊破板行走時間	(分)	239	178	218	175	167	174	190	199		T ₅ = T ₃ + t
"	(hr)	3.98	2.97	3.63	2.92	2.78	2.90	3.17	3.32		t: 上#20分
1日當り打倒板數	(分)	1,706	2,610	1,830	2,752	2,056	2,946	1,940	2,698		F#10分
1日當り破板運輸時間	(分)	408	465	399	482	343	513	369	537		
"	(hr)	6.80	7.75	6.65	8.03	5.72	8.55	6.15	8.95		0
採掘當り採掘運輸時間	(hr)	5.67	6.46	5.54	6.69	4.77	7.13	5.13	7.46		0 × 1/2
											α = 1.2

使用日當り破板運輸時間 (平均値)

上部断面 $5.67 \times 32 + 5.54 \times 44 + 4.77 \times 13 + 5.13 \times 55 = 5.343 \approx 5.34 \text{ (hr/日)}$
 144

下部断面 $6.46 \times 14 + 6.69 \times 17 + 7.13 \times 4 + 7.46 \times 18 = 6.924 \approx 6.92 \text{ (hr/日)}$
 53

(5) 2717°の運転時間算定表

	2717°		B 2717°		C 2717°		D 2717°		D ₂ 2717°		備考
	上	下	上	下	上	下	上	下	上	下	
1717(当り)											
0/0s											
坑	438	336	336	330	324	328	340	378	340	378	Nt=26
内	35	-	40	-	50	-	50	-	50	-	Tz
合計 (min)	473	336	436	330	374	328	390	378	390	378	
0/0s x (Nt-Nt)	219	560	227	550	5.73	5.47	6.50	6.30	6.50	6.30	
合計 (hr)	7.88	16.8	19.8	16.5	147	164	170	189	170	189	Nt-Nt=16
坑	3.65	2.80	3.30	2.75	2.45	2.73	2.83	3.15	2.83	3.15	
外											
1日当り											
1717(坑)	692	504	634	495	491	492	560	567	560	567	
1717(外)	231	168	211	165	164	164	187	189	187	189	
1日当りサイロ数	1.706	2.610	1.830	2.752	2.056	2.946	1.240	2.698	1.240	2.698	
1日当り運転時間 (分)	394	438	386	454	337	483	363	510	363	510	
“ (hr)	6.57	7.30	6.43	7.57	5.62	8.05	6.05	8.50	6.05	8.50	
使用日当り運転時間 (hr)	5.48	6.08	5.36	6.31	4.68	6.71	5.04	7.08	5.04	7.08	d=1.2

使用日当り運転時間 (2717度)

上部折面 $5.48 \times 32 + 5.36 \times 44 + 4.68 \times 13 + 5.04 \times 55 = 5.203 = 5.20 \text{ (hr/日)}$
144

下部折面 $6.08 \times 14 + 6.31 \times 17 + 6.71 \times 4 + 7.08 \times 18 = 6.541 = 6.54 \text{ (hr/日)}$
53

4) 9.1.102 4
 機械原料の空く、汎用の材料と(1) 0.8 m³ DT (70.2.4) と(3)。

$$Q_s = \frac{3600 \times \delta_s \times E_s}{C_m} \quad \left\{ \begin{array}{l} \delta_s: 17121 \text{ 当りの重量} \quad 0.8 \times 0.54 \text{ (積載率)} = 0.432 \text{ (m}^3\text{)} \\ E_s: \text{作業効率} \quad 0.35 \text{ (標準値)} \\ C_m: 17121 \text{ 折垂時間} \quad 45 \text{ (sec)} \end{array} \right.$$

$$= \frac{3600 \times 0.432 \times 0.35}{45}$$

$$= 12.10 \text{ m}^3/\text{hr} \quad (0.202 \text{ m}^3/\text{min})$$

6) 7.1 運搬 — 4 DT 使用

① (坑内+坑外) ダンプトラックの作業能力

$$\left\{ \begin{array}{l} L: \text{坑内延平均距離の距離} \quad 240 \text{ m} \times \frac{1}{2} \times 2 = 240 \text{ m} \approx 0.240 \text{ km} \\ L': \text{坑外} \quad 300 \text{ m} \times 2 = 600 \text{ m} \approx 0.600 \text{ km} \\ V: \text{平均坑内運搬速度 (標準)} \quad V = 8 \text{ km/hr} \\ V': \text{平均坑外} \quad (\quad) \quad V' = 10 \text{ km/hr} \\ T: \text{7.1 坑内+坑外平均待時間 (") } \quad T = 3 \text{ 分} \end{array} \right.$$

(Q_t: DT 運搬1時間当り運搬土量

$$Q_t = \frac{60 \times \delta_t \times E_t}{C_{mt}} \quad \left\{ \begin{array}{l} \delta_t: \text{DT 積載土量} \quad 4.0 \times \frac{1}{2} \times 5 \text{ m}^3 = 1.6 \text{ m}^3 \\ E_t: \text{作業効率} \quad 0.90 \text{ (標準値)} \\ C_{mt}: \text{Cmit } C_{m2} = 7.93 + 8.40 = 16.33 \text{ 分} \end{array} \right.$$

$$= \frac{60 \times 1.6 \times 0.90}{16.33}$$

$$= 5.291$$

$$\approx 5.30 \text{ m}^3/\text{hr}$$

$$\text{F.F.C. } C_{m1} = \left(\frac{8}{8} \right) \times \frac{C_{m1}}{60 E_s} = \frac{8}{8} \times \frac{C_{m1}}{60} \times 60 = \frac{1.6}{12.1} \times 60 = 7.93$$

$$C_{m2} = 60 \times \left(\frac{L}{V} + \frac{L'}{V'} + \frac{T}{60} \right)$$

$$= 60 \times \left(\frac{0.240}{8} + \frac{0.600}{10} + \frac{3}{60} \right) = 8.40$$

7.1.7.1.7.2 の使用台数

$$N_t = Q_s / Q_t = 12.10 / 5.30 = 2.283 \approx 3 \text{ 台}$$

② (坑内) 9"パイプの作業能力

$$Q_{CL} = \frac{60 \times \delta_c \times E_c}{C_m c}$$

$$= \frac{60 \times 1.6 \times 0.9}{11.71}$$

$$= 2.38 \text{ m}^3/\text{hr}$$

$$C_m c = C_{m1} + C_{m2} = 2.93 + 3.78 = 11.71 \text{ 分}$$

$$C_{m2} = 60 \times \left(\frac{L}{W} + \frac{L}{80} \right)$$

$$= 60 \times \left(\frac{0.240}{8} + \frac{2}{60} \right)$$

$$= 3.78$$

注: $L = 2 \text{ 分 (標準)}$

9"パイプの使用台数

$$N_{CL} = \frac{Q_s}{Q_{CL}} = \frac{12.10}{2.38} = 1.640 \approx 2 \text{ 台}$$

③ 掘削 14"パイプの9"パイプの運転時間

1) 坑内: $T_{CL} = (Q_s \times N_{CL}) + T'$ (坑内)

2) 坑外: $\frac{Q_s}{Q_s} \times (N_{CL} - N_{CL})$

Q_s : 1掘削台当り掘削量
 Q_s : 9"パイプ掘削機・1時間当り掘削量
 N_{CL} : 坑内9"パイプ掘削の台数
 T' : 3掘削台並行掘削の1/2 (上Fのみ)
 N_{CL} : 坑内9"パイプ掘削の台数

6. 養生材敷設時間と5倍D時間
 養生材敷設時間は養生材敷設時間の6倍向未通の場合8時間とし、6時間以上の場合11.0時間とする。
 養生材敷設時間は11.0時間とする。

5. C. 2AT-2H建設費用より、B. C. D. 2ATの養生材敷設時間11.0時間(養生材敷設時間10.0時間)

7. 労務配置

建設費単一 単巻工法工、P-F、側壁部に合致

このP-F側壁、1バート同時施工で30"コンクリート打設時間はコンクリート打設時間より短く、配管人員はP-F部の備付人員より、養生材敷設時間は養生材敷設時間より短く、養生材敷設時間は養生材敷設時間と同じに移動係数等作業工程とOS養生材敷設時間は等しい。

<コンクリート打設> <側壁養生材敷設、養生、脱型>

(1) 側壁(4倍径)	(1)	(1)
1. 養生材敷設	2	7
2. 作業員	3	3
3. 養生工(敷設)	1	-

8. 養生材敷設経費

。 養生材敷設経費 (Q = 55 m³/hr)

燃料 : 15.94 l 0.23 l x 158 p x 0.45 = 15.94 (l/hr)

養生材 : 30%

養生材 (時間当り) 1時間 ① = 38.6 円

{ 費用当り } 30/25 x 18.93 = 0.138 円 ② = 120.3 円

。 養生材敷設 (P 55 m³, 1.1 kW 養生材敷設機) 7.177 (hr)

1バート当り2倍 ③ = 260/130 = 2.0 円

養生材敷設 2倍 ④ = 159 x 30/25 = 190 円 → 1.5 円

3.5 円/日

2 土工書

2 コシロ-ト

アイ7°	バレル数 コシロ-ト量 (m ³)	コンクリート規格				骨石成分 数 (m ³)	備考
		産 (F%)	骨材割合 (%)	スラブ (cm)	空気量 (%)		
B	160.2	210	40	12	4	55	骨石比 2%
C	174.6	"	"	"	"	"	
D	176.4	"	"	"	"	"	
D ₂	250.2	"	"	"	"	"	

。注1)107° (S.G.P. 250%)

1本当り777長 : 2220 x 1.5 m

4.5 m / 1本 → 9 m / 2.5 m x 1本 = 2本 / 1210.5 m

10. スライディングパイプ

・ 主要鋼材トン数

$R = 3.000 \text{ m} \times 50.0 \text{ Ton}$

・ 加工数

100 箇所

・ 工費単価 0.25^円/箇所

・ 肉接率 200%

・ 土地代率 20% (注: 運輸費別表)

・ 一般管理費率 15%

・ 鋼材単価 700 円/Ton

価格 = $\left\{ \left(\text{主要鋼材トン数} \times \text{鋼材単価} \right) + \left(\text{加工数} \times \text{工費単価} \right) \times \left(1 + \frac{\text{土地代率}}{100} \right) \right\} \times \left(1 + \frac{\text{一般管理費率}}{100} \right)$

= $\left\{ (50.0 \times 700) + (50 \times 100 \times 0.25) \times \left(1 + \frac{20}{100} \right) \right\} \times \left(1 + \frac{15}{100} \right)$

= $\{ 35000 + 1250 \times 3 \} \times 1.2 \times 1.15$

= 53,475 円

本件価格 53,475 円 - 2,674 円 (スライディングパイプ 5%) = 50,801 円 ≈ 50,800 円

・ 1 回当り材料

使用回数 240/9 → 28 回

50,800 円 = 1814 円 ≈ 1810 円

82

・ スライディングパイプ用材

要径: 717mm 鋼板 (12.8 + 19.4 + 19.6 + 27.8) × 1/4 = 21.15 m

積込: V = 21.15 m³ × 6.018 = 0.38

スライディングパイプ (12.8 + 19.4 + 19.6 + 27.8) × 1/4 = 21.15 m

11. プレキャスト

(1) 柱状コンクリート

空疎強度を目的とし、注入圧を2MPa/cm²で設計する。プレキャストの50%の量をコンクリート打設に含ませ、事前に設置する(柱は掘削後に設置)

設計注入量は、設計掘削量と(1)の算出量より、下記の2つのうち、大きい方に設定する。

径φ	B	C	D ₁	D ₂
延長 (m)	60	80	20	80
必要注入量 (m ³)	1.65	1.65	1.50	1.20
設計注入量 (m ³)	99	132	30	96
合計				357 m ³

(5) 砕石生産設備

1. 設計条件

砕石は、堤体の抗凍層 (フィルタ)、コンクリート用骨材、仮設遮断路面材等、多用途で多量のものを必要とする。数量の未確定のものが多いため、ここでは、抗凍層ゾーンの数量のみを対象にして、必要最小限の砕石生産設備を検討する。

2. 砕石生産量

抗凍層ゾーン —— 盛立体量 $224,000 \text{ m}^3$ 盛立て計画 —— 3年間 (18ヶ月)
 年間平均使用量 —— $224,000 \text{ m}^3 \div 3 \times 2.0 \text{ t/m}^3 = 149,330 \text{ t}$ (単年重量 2.0 t/m^3)
 日間 —— $149,330 \div 6 \text{ 月} = 24,890 \text{ t}$
 日 —— $24,890 \div 25 \text{ 日} = 1,000 \text{ t}$ (25日/月稼働)

3. 設備容量

$Q = 1,000 \text{ t/月} \div 8.0 \text{ m}^3/\text{日} = 125 \text{ t/日}$

4. 使用機械設備

砕石生産量から、過去の実績を考慮して、機械設備を以下の通り選定する。

機械名称	規 格	種 類	枚 数・仕 様	基礎価格	重量	備 考
振動ライナー	アリスリズダ、幅1000mm	振動式	200台	6,280	4.3t	土地改良機械振動表
1次クラッシャー	シキトツル型、27トン	傾斜式	450 × 750% 125%	7,800	14.0	物価版 83.6 KC-301B
フェーンブローア バウルトン	耐久10t、手動式	傾斜式	10 × 3.5"	155	0.1	振動表
"	傾斜式	傾斜式	1200 × 3000	3,100	2.9	"
2次クラッシャー	シキトツル型、27トン	傾斜式	450 × 3000 傾斜式 450 × 750 50%	3,680	3.9	"
3次クラッシャー	シキトツル型、27トン	傾斜式	600 × 750% 14%	7,800	14.0	物価版 83.6
ベルトコンベア	600 × 2100 × 6500	傾斜式	30	11,500	6.0	振動表
"	600 × 19800 × 7000	傾斜式	11	2,065	1.6	1520 $\frac{\text{m}}{\text{日}} \times 4.5$ 0.035 $\frac{\text{m}}{\text{日}} \times 4.5$
"	650 × 23200 × 3000	傾斜式	3.7	3,297	0.8	1520 × 2.1 0.035 × 2.1
"	650 × 26500 × 8000	傾斜式	2.2	2,435	0.5	1230 × 1.98 0.0224 × 1.98
"	600 × 19800 × 3000	傾斜式	2.2	2,853	0.6	1230 × 2.32 0.0224 × 2.32
"	600 × 26500 × 8000	傾斜式	3.7	3,091	0.6	1180 × 2.62 0.0224 × 2.62
"	600 × 19800 × 3000	傾斜式	3.7	2,323	0.6	1570 × 1.48 0.0353 × 1.48
"	600 × 47200 × 15000	傾斜式	11.0	7,888	1.7	1570 × 4.77 0.0353 × 4.77
"	600 × 11700 × 3000	傾斜式	3.7	1,457	0.3	1230 × 1.17 0.0224 × 1.17

総重量：約 60 t / 1 式 輸送回体数：不明

(1) 海上運賃

輸送時体積 500 m³ と仮定すると、 $12 \text{ 千円/m}^3 \times 500 \text{ m}^3 = 6,000 \text{ 千円}$

(2) 内陸輸送

大連～佳木斯 (運賃 $2.43 \text{ 円/t} \times 60 \text{ t} = 146 \text{ 千円}$)

{ 燃料 $0.09 \text{ 円/t} \times 60 \text{ t} = 6$

佳木斯～室積 (運賃 $5.33 \times 60 = 320$)

{ 燃料 $0.17 \times 60 = 10$

(3) 運搬費合計

(1) + (2) = 6,482 千円

6. 砂石生産設備費

$74.841 + 6.482 = 81.323 \text{ 千円}$

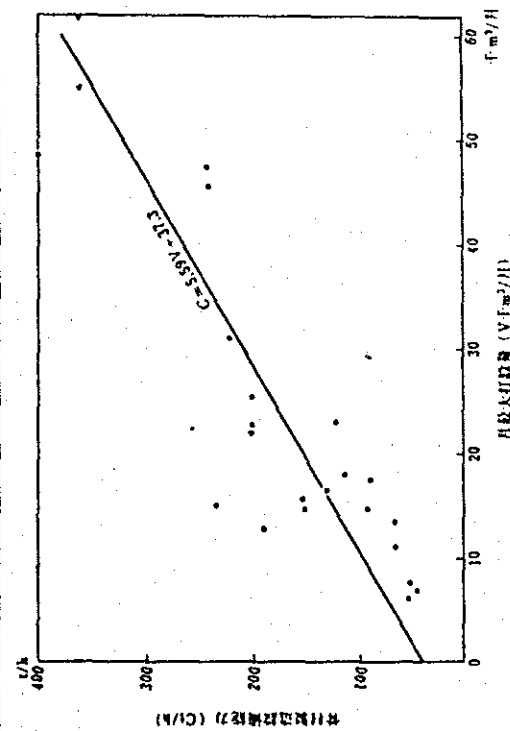


図22 月収大打設量(V) - 月収製造設備能力(c)

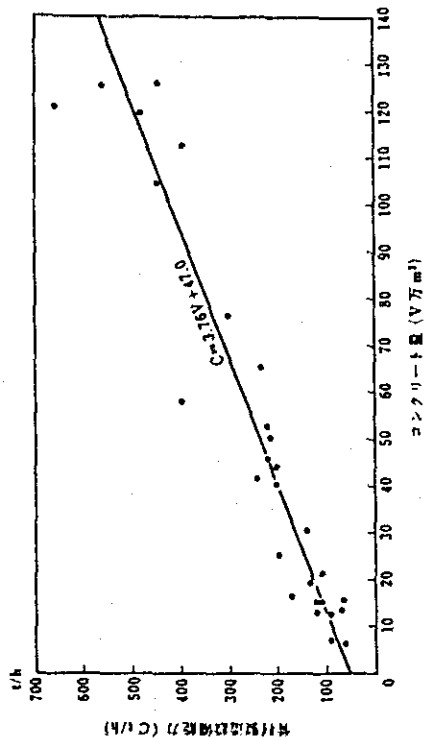


図23 月収大打設量(V) - 月収製造設備能力(c)

7. 機械費料の計算

(1) 運送・晒当り費料

$$81,323 \text{ 円} \times (1.126 \times 10^{-4}) = 9,564 \text{ 円}$$

(2) 供用日・日当り費料

$$81,323 \text{ 円} \times (4.878 \times 10^{-4}) = 39,669 \text{ 円} \quad (305.15 \text{ 元})$$

(6). コンクリート生産設備

1. 設計条件

ダム工事用コンクリートは、主として仮排水路トンネル覆工及び放水工に用いるものであるから、双方向自最大コンクリート使用量を推定してコンクリートポラントの規模を決定する。

2. コンクリート生産量

(1) 仮排水路トンネル覆工

トンネル部コンクリート量 (R=6.0m) : $25 \text{ m}^3 \times 228 \text{ m} = 5,700 \text{ m}^3$

1バレル (L=9.0m) 当りコンクリート量 : $25 \text{ m}^3 \times 9.0 \text{ m} = 225 \text{ m}^3$

1日1方向(昼間)で施工し、1サイクル2回とすると、時間当り平均生産量は、
 $225 \text{ m}^3 \div 7 \text{ 時間} = 32 \text{ m}^3/\text{hr}$

(2) 放水用コンクリート工

総コンクリート量 : $24,000 \text{ m}^3$

施工期間 : 37.6ヶ月

日平均打設量 : $24,000 \div 6 = 4,000 \text{ m}^3$

最大日打設量 : $4,000 \times 1.5 = 6,000 \text{ m}^3$

最大日の日平均打設量 : $6,000 \div 25 = 240 \text{ m}^3$

自最大打設量 : $240 \times 1.3 = 312 \text{ m}^3$

時間平均打設量 : $312 \div 7 \text{ hr} = 45 \text{ m}^3/\text{hr}$

3. 設備容量

以上から、ダム主要工事用のコンクリートポラントとしては、製造能力 $50 \text{ m}^3/\text{hr}$ のものでよい。他用途分を考慮して、シキサ容量 $0.75 \text{ (m}^3) \times 2$ 基
 …… 標準製造能力 $50 \sim 90 \text{ m}^3/\text{hr}$ を選定する。

4. コンクリート生産設備原価

(1) 基礎価格 —— シキサ容量 $0.75 \text{ m}^3 \times 2$ 基 $42,600$ 千円

(2) 運搬費 —— 重量 82 t 、輸送時体積：不明

・海上運搬 —— 輸送時体積を 500 m^3 と仮定すると、 $12 \text{ 円}/\text{m}^3 \times 500 \text{ m}^3 = 6,000$ 千円

・内陸輸送 —— 大連へ佳木斯間 $1,52$ 千円

・運搬費合計 $6,482$ 千円

(3) 設備原価合計

$42,600 + 6,482 = 49,082$ 千円

5. 機械損料の計算

(1) 原動機時間当り損料

$$49,082 \text{ 円} \times (1.222 \times 10^{-7}) = 5,998 \text{ 円}$$

(2) 使用自当り損料

$$49,082 \text{ 円} \times (5.438 \times 10^{-7}) = 26.69 \text{ 円} \quad (205.3 \text{ 円})$$