```
                              KZGL as CO - 73.215
                          Yavapai Broadcasting Corporation
REFERENCE           CH#  240CO - 95.9 MHz, Pwr= 21  kW,  HAAT=799.0 M,  COR= 2388 M      DISPLAY DATES
34 41 11 N                        Average Protected F(50-50)= 82.72 km                   DATA    10-25-03
112 07 02 W         Ave. F(50-10) 40 dBu= 175.0  54 dBu= 120.9  80 dBu= 39.6 100 dBu= 8.5  SEARCH 10-29-03
---------------------------------------------------------------------------------------------------------
CH    CALL       TYPE       AZI.    DIST        LAT.        Pwr(kW) COR(M)  PRO(km)    *IN*      *OUT*
CITY             STATE      <--     FILE #      LNG.        HAAT(M) INT(km) LICENSEE   (Overlap in km)
---------------------------------------------------------------------------------------------------------
240C1 KZGL       LIC  CN    28.8    0.11        34 41 14    9.000   2346    62.4       -235.13*<  -253.03*<
Cottonwood       AZ         208.8   BLH19940505KD 112 07 00 519     190.8   Yavapai Broadcasting Corpo

240C  RDEL       DEL        333.1   270.00      36 50 49    100.000 1965    90.0        5.62      21.77
St. George       UT         153.1                113 29 28  557     158.2

240C  KZHK       LIC  CN    333.1   270.00      36 50 49    100.000 1963    89.9        5.76      21.87
St. George       UT         153.1   BLH19970130KB 113 29 28 555     158.2   Marvin Kent Frandsen

242C3 ALLO       RSV        215.7   91.38       34 01 01    25.000  919     31.1       12.77      52.37
Wickenburg       AZ         35.7    RM10016      112 41 46  60      7.9

242C  KSWG.A     APP  CX    222.4   117.14      33 54 17    100.000 1358    90.4       27.99      18.73
Wickenburg       AZ         42.4    BPH20030327AEH 112 58 22 566    8.0     Circle S Broadcasting Co.,

242C  ALLO       RSV        222.7   117.88      33 54 15    100.000 1354    90.2       28.64      19.68
Wickenburg       AZ         42.7    RM10344      112 59 02  561     8.0

294C2 KPPV«      LIC  CN    240.3   43.94       34 29 25    3.700   2181    48.8       31.0R      12.9M
Prescott Valley  AZ         60.3    BLH19930204KB 112 32 00 435     93.0    Prescott Valley Broadcasti

240A  RDEL       DEL        277.5   228.53      34 55 40    6.000   343     22.9       73.29      40.32
Mohave Valley    AZ         97.5                 114 35 51  63      165.4

240A  ALLO       VAC        277.5   228.53      34 55 40    6.000   343     22.9       73.29      40.32
Mohave Valley    AZ         97.5    RM9800       114 35 51  63      165.4

239C  KWKM       LIC  C     101.1   237.52      34 14 58    100.000 2610    85.0       19.85      20.07
St. Johns        AZ         281.1   BLH20010418AAA 109 35 11 473    132.4   Km Radio Of St. Johns, L.l

242C3 KSWG.C     CP   ZCX   216.5   104.87      33 55 34    6.151   943     40.6       25.59      56.28
Wickenburg       AZ         36.5    BPH20011010AAK 112 47 40 222    7.9     Circle S Broadcasting Co.,

241A  ALLO       VAC        234.2   170.38      33 46 54    6.000   725     33.6       42.00      22.46
Salome           AZ         54.2                 113 36 42  146     114.3

240C  RADD       ADD        319.1   321.00      36 50 52    100.000 1589    102.2      38.91      65.20
Bunkerville      NV         139.1                114 28 37  872     153.6

239B  RADD       ADD        243.1   256.95      33 37 02    50.000  266     66.9       98.84      53.63
Blythe           CA         63.1                 114 35 20  164     136.5

238C  KYOTFM     LIC  CY    178.0   149.99      33 20 06    100.000 838     86.1       59.41      55.79
Phoenix          AZ         358.0   BMLH19950925KC 112 03 39 489    8.1     Amfm Radio Licenses, L.l.c

241C  KLPX       LIC  CY    160.8   285.90      32 14 56    100.000 1360    90.1       75.38      83.38
Tucson           AZ         340.8   BLH19900503KD 111 06 59  559    112.4   Arizona Lotus Corporation

240A  RDEL       DEL        220.4   291.65      32 40 18    6.000   232     32.7       123.47     93.67
Wellton          AZ         40.4                 114 08 18  138     165.3

240A  ALLO       VAC        220.4   291.65      32 40 18    6.000   232     32.7       123.47     93.67
Wellton          AZ         40.4                 114 08 18  138     165.3

241C1 KWRK       LIC  CY    69.6    290.89      35 33 36    100.000 2321    45.9       123.38     111.40
Window Rock      AZ         249.6   BLH19960911KD 109 06 30  76     133.6   The Navajo Nation

240A  RADD       ADD        222.7   310.04      32 36 58    6.000   291     33.8       140.09     110.49
Fortuna Foothills AZ        42.7                 114 21 47  147     165.8

243C  KRFM       LIC  CN    104.4   207.03      34 12 20    100.000 2378    78.0       104.79     119.84
Show Low         AZ         284.4   BMLH19850325KT 109 56 26 377    9.2     Petracom Of Show Low, Llc

293C1 RADD«      ADD        25.6    146.72      35 52 33    100.000 1673    68.0       37.0R      109.7M
Cameron          AZ         205.6                111 24 44  247     110.3

293C1 RADD«      ADD        25.6    146.72      35 52 33    100.000 1673    68.0       37.0R      109.7M
Cameron          AZ         205.6                111 24 44  247     110.3
---------------------------------------------------------------------------------------------------------
"*"Affixed to 'IN' or 'Out' values = site inside protected contour.
ERP and HAAT are on direct line to and from reference station.
"«" = Station meets FCC minimum distance spacing for its class.  "<" = Contour Overlap
```

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "* IN *" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "* OUT *" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap inter-ference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N".
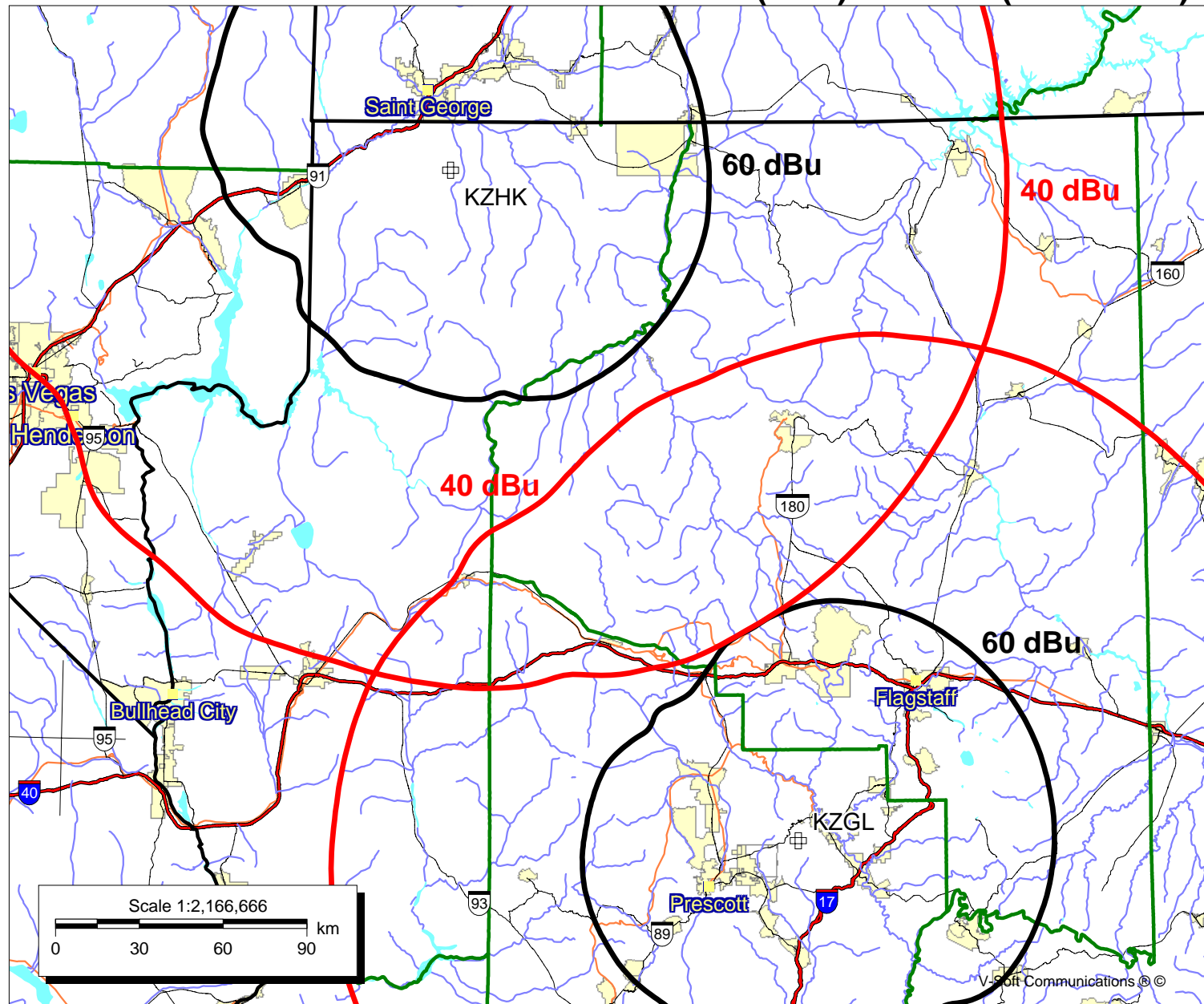
KZGL (New) v. KZHK (Max Class)

KZGLNew
BLH19940505KD
Latitude: 34-41-11 N
Longitude: 112-07-02 W
ERP: 21.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 2387.7 m
Elevation: 2332 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC Contour

KZHK Max Class
BLH19970130KB
Latitude: 36-50-49 N
Longitude: 113-29-28 W
ERP: 100.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 1963.0 m
HAAT: 600 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC Contour

October 28, 2003

V Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants

Saint George

60 dBu

40 dBu

KZHK

40 dBu

Las Vegas

Henderson

Bullhead City

Flagstaff

60 dBu

KZGL

Prescott

Scale 1:2,166,666

km

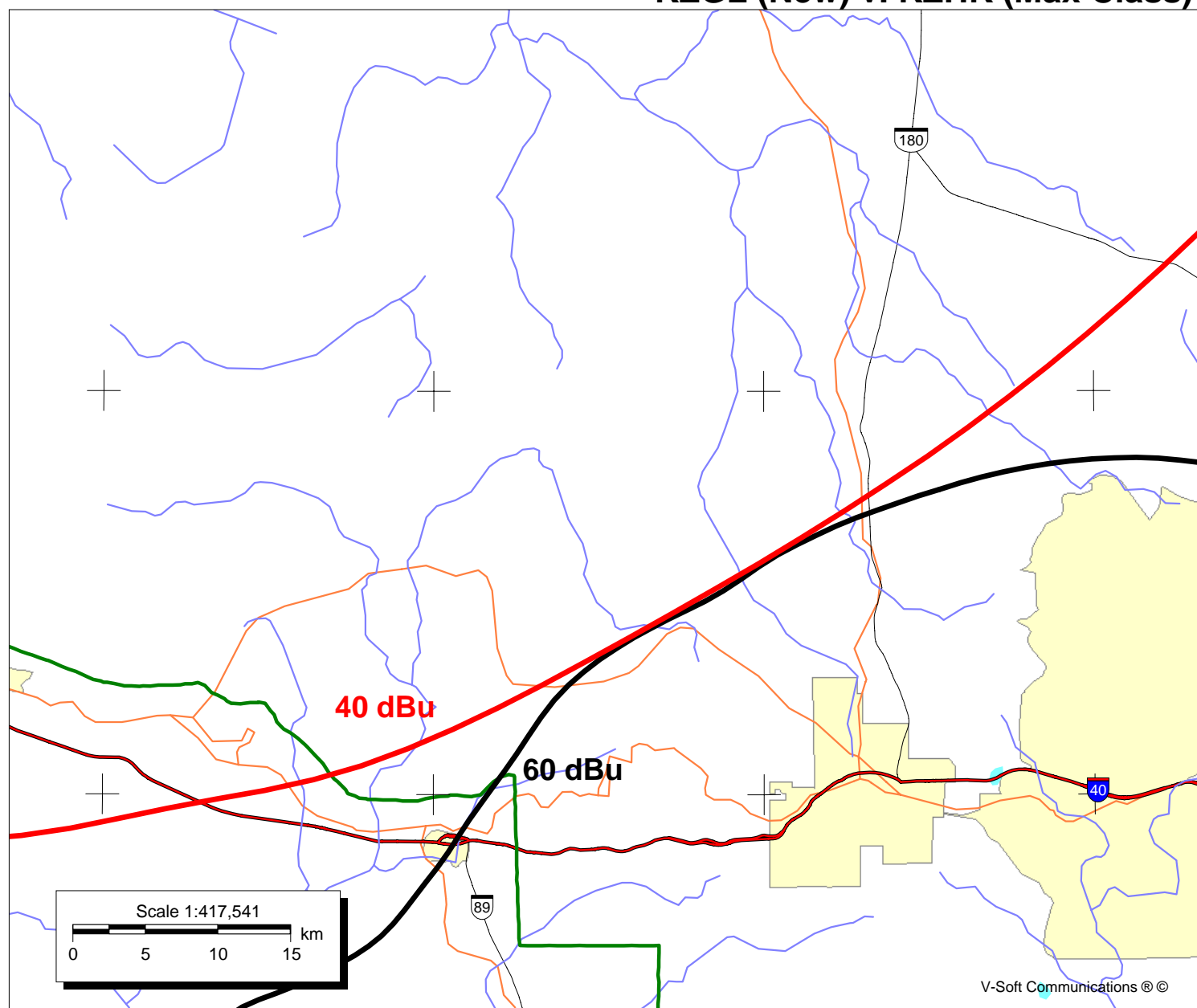0   30   60   90

V-Soft Communications ® ©

KZGL (New) v. KZHK (Max Class)

KZGLNew
BLH19940505KD
Latitude: 34-41-11 N
Longitude: 112-07-02 W
ERP: 21.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 2387.7 m
Elevation: 2332 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC Contour

KZHK Max Class
BLH19970130KB
Latitude: 36-50-49 N
Longitude: 113-29-28 W
ERP: 100.00 kW
Channel: 240
Frequency: 95.9 MHz
AMSL Height: 1963.0 m
HAAT: 600 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: FCC Contour

October 28, 2003

V Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants

40 dBu

60 dBu

180

89

40

Scale 1:417,541

km

0   5   10   15

V-Soft Communications ® ©

Doug Vernier Telecommunications Consultants
10-28-2003   30 Sec. Terrain Data

KZGL   KZHKMax   BLH19970130KB
Channel = 240C0   Channel = 240C
Max ERP = 21 kW   Max ERP = 100 kW @ 600 m HAAT
RCAMSL =   2388 M   RCAMSL =   1965 M
N. Lat = 344111   N. Lat = 36 50 49
W. Lng = 1120702   W. Lng = 113 29 28

        Protected   Interfering
        60 dBu   40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
303.0	021.0000	0477.1	068.5	161.6	100.0000	0481.8	213.1	35.7
304.0	021.0000	0468.5	067.9	161.3	100.0000	0492.7	212.8	35.9
305.0	021.0000	0460.4	067.3	161.0	100.0000	0492.7	212.5	35.9
306.0	021.0000	0454.6	066.9	160.6	100.0000	0492.7	212.2	36.0
307.0	021.0000	0451.8	066.8	160.4	100.0000	0501.3	211.7	36.2
308.0	021.0000	0452.0	066.8	160.1	100.0000	0501.3	211.0	36.3
309.0	021.0000	0455.6	067.0	159.9	100.0000	0501.3	210.2	36.5
310.0	021.0000	0461.6	067.4	159.6	100.0000	0501.3	209.3	36.7
311.0	021.0000	0467.8	067.9	159.4	100.0000	0508.4	208.3	36.9
312.0	021.0000	0472.0	068.1	159.2	100.0000	0508.4	207.5	37.1
313.0	021.0000	0473.5	068.3	158.9	100.0000	0508.4	206.9	37.2
314.0	021.0000	0472.5	068.2	158.6	100.0000	0508.4	206.4	37.3
315.0	021.0000	0468.8	067.9	158.2	100.0000	0515.8	206.2	37.4
316.0	021.0000	0462.5	067.5	157.9	100.0000	0515.8	206.1	37.4
317.0	021.0000	0455.0	067.0	157.5	100.0000	0515.8	206.2	37.4
318.0	021.0000	0448.2	066.5	157.2	100.0000	0525.1	206.2	37.5
319.0	021.0000	0442.8	066.2	156.8	100.0000	0525.1	206.2	37.6
320.0	021.0000	0438.3	065.9	156.5	100.0000	0525.1	206.1	37.6
321.0	021.0000	0434.3	065.6	156.2	100.0000	0535.4	206.0	37.7
322.0	021.0000	0431.3	065.4	155.9	100.0000	0535.4	205.9	37.7
323.0	021.0000	0430.0	065.4	155.6	100.0000	0535.4	205.7	37.8
324.0	021.0000	0430.8	065.4	155.2	100.0000	0545.0	205.4	37.9
325.0	021.0000	0433.8	065.6	154.9	100.0000	0545.0	205.0	38.0
326.0	021.0000	0438.8	065.9	154.6	100.0000	0545.0	204.5	38.1
327.0	021.0000	0445.1	066.3	154.3	100.0000	0552.2	203.9	38.3
328.0	021.0000	0451.6	066.7	154.0	100.0000	0552.2	203.4	38.4
329.0	021.0000	0458.1	067.2	153.7	100.0000	0552.2	202.8	38.5
330.0	021.0000	0465.5	067.7	153.4	100.0000	0556.9	202.2	38.6
331.0	021.0000	0474.2	068.3	153.1	100.0000	0556.9	201.6	38.8
332.0	021.0000	0483.1	068.9	152.7	100.0000	0556.9	200.9	38.9
333.0	021.0000	0491.8	069.6	152.4	100.0000	0559.9	200.2	39.0
334.0	021.0000	0500.6	070.2	152.0	100.0000	0559.9	199.6	39.2
335.0	021.0000	0510.2	070.8	151.7	100.0000	0559.9	199.0	39.3
336.0	021.0000	0521.3	071.6	151.3	100.0000	0561.8	198.4	39.4
337.0	021.0000	0534.0	072.4	150.9	100.0000	0561.8	197.7	39.5
338.0	021.0000	0548.3	073.2	150.5	100.0000	0561.8	197.0	39.7
339.0	021.0000	0562.8	074.0	150.1	100.0000	0563.2	196.4	39.8
340.0	021.0000	0575.8	074.6	149.7	100.0000	0563.2	196.0	39.9
341.0	021.0000	0587.0	075.1	149.3	100.0000	0564.5	195.7	39.9
342.0	021.0000	0597.1	075.6	148.9	100.0000	0564.5	195.6	40.0
343.0	021.0000	0606.5	076.0	148.5	100.0000	0566.1	195.5	40.0
344.0	021.0000	0615.5	076.3	148.1	100.0000	0566.1	195.5	40.0
345.0	021.0000	0623.6	076.6	147.7	100.0000	0566.1	195.6	40.0
346.0	021.0000	0631.3	076.9	147.3	100.0000	0568.3	195.7	40.0
347.0	021.0000	0639.2	077.2	146.9	100.0000	0568.3	195.9	40.0
348.0	021.0000	0647.5	077.5	146.5	100.0000	0571.0	196.0	40.0
349.0	021.0000	0659.3	078.0	146.1	100.0000	0571.0	196.1	39.9
350.0	021.0000	0674.7	078.6	145.6	100.0000	0571.0	196.2	39.9

351. 0	021. 0000	0692. 7	079. 2	145. 2	100. 0000	0574. 0	196. 1	40. 0
352. 0	021. 0000	0709. 8	079. 8	144. 7	100. 0000	0574. 0	196. 2	40. 0
353. 0	021. 0000	0724. 6	080. 3	144. 3	100. 0000	0577. 2	196. 4	40. 0
354. 0	021. 0000	0739. 1	080. 8	143. 9	100. 0000	0577. 2	196. 6	39. 9
355. 0	021. 0000	0754. 0	081. 3	143. 4	100. 0000	0580. 5	196. 9	39. 9
356. 0	021. 0000	0768. 4	081. 8	143. 0	100. 0000	0580. 5	197. 3	39. 8
357. 0	021. 0000	0781. 6	082. 2	142. 6	100. 0000	0580. 5	197. 7	39. 8
358. 0	021. 0000	0796. 0	082. 6	142. 2	100. 0000	0584. 0	198. 2	39. 7
359. 0	021. 0000	0810. 9	083. 1	141. 8	100. 0000	0584. 0	198. 7	39. 6
000. 0	021. 0000	0825. 7	083. 5	141. 4	100. 0000	0587. 5	199. 3	39. 6
001. 0	021. 0000	0842. 7	084. 0	140. 9	100. 0000	0587. 5	199. 8	39. 5
002. 0	021. 0000	0859. 1	084. 4	140. 5	100. 0000	0587. 5	200. 4	39. 3
003. 0	021. 0000	0875. 5	084. 8	140. 1	100. 0000	0590. 6	201. 1	39. 3
004. 0	021. 0000	0891. 5	085. 2	139. 8	100. 0000	0590. 6	201. 8	39. 1
005. 0	021. 0000	0906. 7	085. 6	139. 4	100. 0000	0593. 3	202. 6	39. 0
006. 0	021. 0000	0921. 5	085. 9	139. 0	100. 0000	0593. 3	203. 5	38. 9
007. 0	021. 0000	0935. 7	086. 2	138. 7	100. 0000	0593. 3	204. 4	38. 7
008. 0	021. 0000	0948. 2	086. 5	138. 3	100. 0000	0595. 6	205. 3	38. 5
009. 0	021. 0000	0959. 7	086. 7	138. 0	100. 0000	0595. 6	206. 3	38. 4
010. 0	021. 0000	0968. 8	086. 9	137. 7	100. 0000	0595. 6	207. 4	38. 2
011. 0	021. 0000	0975. 4	087. 1	137. 4	100. 0000	0597. 7	208. 5	38. 0
012. 0	021. 0000	0980. 9	087. 2	137. 1	100. 0000	0597. 7	209. 6	37. 8
013. 0	021. 0000	0988. 3	087. 4	136. 8	100. 0000	0597. 7	210. 8	37. 6