

Statytojas / Užsakovas

AB „Kauno energija“

Statinio adresas

Varnių g., Kaunas

Statinio naudojimo paskirtis

Inžineriniai statiniai; Inžineriniai tinklai

Statinio pavadinimas (tipas)

Šilumos tinklai

Statybos rūšis

Rekonstravimas

Statinio kategorija

Neypatingasis

Statinio projekto etapas

Techninis darbo projektas

Projekto Nr.

22021STT-TDP

Bylos išleidimo data

2023-02

**Šilumos tiekimo tinklų nuo šilumos kameros 5T-39 iki
šilumos kameros 5T-43, Varnių g., Kaunas, rekonstravimo
projektas**

ŠILUMOS TIEKIMO TINKLŲ INŽINERINIAI SKAIČIAVIMAI

Pareigos	Vardas, pavardė	Atestato Nr.	Parašas
Projekto vadovas			

Kaunas, 2023

TURINYS

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1 INŽINERINIŲ SKAIČIAVIMŲ APŽVALGA

Inžineriniai šilumos tiekimo tinklų skaičiavimai atliekami remiantis „Šilumos tiekimo tinklų nuo šilumos kameros 5T-39 iki šilumos kameros 5T-43, Varnių g., Kaunas, rekonstravimo projekte“ numatytais šilumos tiekimo tinklų sprendiniais. Projekte numatyta įrengti šilumos tiekimo tinklus, panaudojant pramoniniu būdu izoliuotus plieninius vamzdžius 2Ø711,0/900, 2Ø406,4/560 montuojamus grunte.

Rekonstruojami požeminiai šilumos tiekimo tinklai skirti šiluminės energijos tiekimui patalpų šildymui ir karšto vandens ruošimui. Skaičiuotini šilumnešio parametrai pateikti 1 lentelėje.

1 lentelė. Skaičiuotini inžinerinių tinklų techninės charakteristikos

	DN	Temperatūra, °C	Slėgis, bar	Terpė
Paduodama linija, T1	700; 400	120	16,0	Termofikacinis vanduo
Grįžtama linija, T2				

Skaičiavimai atitinka standarto LST EN 13941, „Centralizuoto šilumos tiekimo iš anksto neardomai izoliuotų vamzdžių sistemų projektavimas ir įrengimas“ keliamus reikalavimus. Skaičiavimai atlikti naudojantis šiais duomenimis:

- plieno markė- P235GH;
- Izoliacija- standartinė;
- Projektinė šilumnešio temperatūra- $T_{sT_1} = 120\text{ °C}$; $T_{sT_2} = 120\text{ °C}$;
- Montavimo temperatūra- 10 °C;
- Leistinas ašinis įtempis- +/-188 MPa;
- Slėgis- 16 bar.

Atlikus skaičiavimus buvo nustatyta, kad rekonstruojama šilumos tiekimo tinklų trasa neviršija leistinų įtempių, posūkių kampai atlaiko susidariusius įtempius ir poslinkius. Didžiausias susidarantis ašinis įtempimas – 171,2 MPa.

2 SKAIČIAVIMŲ ATASKAITA



sisKMR Project

Customer : AB "Kauno energija"
 Commission -No. : 22021STT
 Title :
 Timestamp : 07.02.2023 18:54:54
 Description :

Calculation basis

- EN 13941

Input data

Minimum operating temperature 10.00 ° C
 Reducing factors for friction force 1.00 1.00 1.00

Line: 1 / Section: 1

Start point ID A0010 , Point type: FE6
 End conditions: fp 1.00
 Project class C with 250 load cycles
 Outer diameter 406.40 mm
 Wall thickness 6.30 mm
 Diameter casing 520.00 mm
 Medium pipe material P235GH_EN253
 E-Modulus 207.14 kN/mm²
 Coefficient of expansion 1.23 E-05 1/K
 Yield strength 207.40 N/mm²
 Tensile strength 360.00 N/mm²
 Section mass 201.41 kg/m
 Maximum operating temperature 120.00 ° C
 Installation temperature 10.00 ° C
 Internal overpressure 16.00 bar
 Allowable axial stress 180.00 N/mm²
 Allowable PUR compressive stress 0.15 N/mm²
 Cover at section end point 1.50 m
 Friction angle of soil 32.50 °
 Specific weight of soil 19.00 kN/m³
 Horizontal length component 4.87 m
 Local pre-stressing 0.00 mm
 Division 10
 Bedding type High compaction bedding

Line: 1 / Section: 2

Start point ID NN0029
 Cover at section end point 0.00 m
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 1 / Section: 3

Start point ID	NN0028
Outer diameter	323.90 mm
Wall thickness	5.60 mm
Diameter casing	450.00 mm
E-Modulus	207.15 kN/mm ²
Coefficient of expansion	1.24 E-05 1/K
Section mass	134.93 kg/m
Horizontal length component	4.97 m
Horizontal angular deviation	0.00 °
Angular deviation in space	45.00 °
Bend radius	775.00 mm
Bend wall thickness	5.60 mm
Division	2
Bedding type	Air bedding

Line: 1 / Section: 4

Start point ID	NN0027
End point ID	TT01
Horizontal length component	0.70 m
Vertical length component	-0.70 m
Length in space	0.99 m
Horizontal angular deviation	90.00 °
Angle of intersection	90.00 °
T-piece construction type	DN700/300 , reinforced with 8.00 mm reinforcement plate
Division	2
Bedding type	Air bedding

Line: 2 / Section: 1

Start point ID	B0010 , Point type: FE6
End conditions:	fp
	1.00
Project class	C with 250 load cycles
Outer diameter	406.40 mm
Wall thickness	6.30 mm
Diameter casing	520.00 mm
Medium pipe material	P235GH_EN253
E-Modulus	207.14 kN/mm ²
Coefficient of expansion	1.23 E-05 1/K
Section mass	201.41 kg/m
Maximum operating temperature	120.00 ° C
Installation temperature	10.00 ° C
Internal overpressure	16.00 bar
Allowable axial stress	180.00 N/mm ²
Allowable PUR compressive stress	0.15 N/mm ²
Cover at section end point	2.50 m
Friction angle of soil	32.50 °
Specifcic weight of soil	19.00 kN/m ³
Horizontal length component	10.14 m
Local pre-stressing	0.00 mm
Division	20
Bedding type	High compaction bedding

Line: 2 / Section: 2

Start point ID B0020
 Cover at section end point 0.10 m
 Horizontal length component 18.54 m
 Division 37
 Bedding type Low compaction bedding

Line: 2 / Section: 3

Start point ID B0030
 Cover at section end point 2.50 m
 Horizontal length component 10.16 m
 Division 20
 Bedding type High compaction bedding

Line: 2 / Section: 4

Start point ID B0032
 Cover at section end point 0.00 m
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 2 / Section: 5

Start point ID NN0008
 E-Modulus 207.15 kN/mm²
 Coefficient of expansion 1.24 E-05 1/K
 Horizontal length component 0.10 m
 Division 2
 Bedding type Air bedding

Line: 2 / Section: 6

Start point ID GNA-3 , Point type: HP3
 Horizontal length component 0.10 m
 Division 2
 Bedding type Air bedding

Line: 2 / Section: 7

Start point ID B0035
 E-Modulus 207.14 kN/mm²
 Coefficient of expansion 1.23 E-05 1/K
 Cover at section end point 0.00 m
 Friction angle of soil 32.50 °
 Specific weight of soil 19.00 kN/m³
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 2 / Section: 8

Start point ID B0040
 Cover at section end point 2.50 m
 Horizontal length component 1.00 m
 Division 2
 Bedding type N040

Line: 2 / Section: 9

Start point ID	B0050
E-Modulus	207.15 kN/mm ²
Coefficient of expansion	1.24 E-05 1/K
Horizontal length component	0.10 m
Division	2
Bedding type	Air bedding

Line: 2 / Section: 10

Start point ID	B0055
Horizontal length component	1.80 m
Horizontal angular deviation	0.00 °
Angular deviation in space	45.00 °
Bend radius	970.00 mm
Bend wall thickness	6.30 mm
Division	2
Bedding type	Air bedding

Line: 2 / Section: 11

Start point ID	B0060
End point ID	TT02
Horizontal length component	0.60 m
Vertical length component	0.60 m
Length in space	0.85 m
Horizontal angular deviation	90.00 °
Angle of intersection	90.00 °
T-piece construction type	DN700/400 , reinforced with 8.00 mm reinforcement plate
Division	2
Bedding type	Air bedding

Line: 3 / Section: 1

Start point ID	C0010 , Point type: FE6
End conditions:	fp
Project class	C with 250 load cycles
Outer diameter	406.40 mm
Wall thickness	6.30 mm
Diameter casing	520.00 mm
Medium pipe material	P235GH_EN253
E-Modulus	207.14 kN/mm ²
Coefficient of expansion	1.23 E-05 1/K
Section mass	201.41 kg/m
Maximum operating temperature	120.00 ° C
Installation temperature	10.00 ° C
Internal overpressure	16.00 bar
Allowable axial stress	180.00 N/mm ²
Allowable PUR compressive stress	0.15 N/mm ²
Cover at section end point	2.50 m
Friction angle of soil	32.50 °
Specifc weight of soil	19.00 kN/m ³
Horizontal length component	8.05 m
Local pre-stressing	0.00 mm
Division	16
Bedding type	High compaction bedding

Line: 3 / Section: 2

Start point ID C0020
 Cover at section end point 0.10 m
 Horizontal length component 18.57 m
 Division 37
 Bedding type Low compaction bedding

Line: 3 / Section: 3

Start point ID C0030
 Cover at section end point 2.50 m
 Horizontal length component 10.05 m
 Division 20
 Bedding type High compaction bedding

Line: 3 / Section: 4

Start point ID C0032
 Cover at section end point 0.00 m
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 3 / Section: 5

Start point ID NN0007
 E-Modulus 207.15 kN/mm²
 Coefficient of expansion 1.24 E-05 1/K
 Horizontal length component 0.10 m
 Division 2
 Bedding type Air bedding

Line: 3 / Section: 6

Start point ID GNA-4 , Point type: HP3
 Horizontal length component 0.10 m
 Division 2
 Bedding type Air bedding

Line: 3 / Section: 7

Start point ID C0035
 E-Modulus 207.14 kN/mm²
 Coefficient of expansion 1.23 E-05 1/K
 Cover at section end point 0.00 m
 Friction angle of soil 32.50 °
 Specific weight of soil 19.00 kN/m³
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 3 / Section: 8

Start point ID C0040
 Cover at section end point 2.50 m
 Horizontal length component 1.00 m
 Division 2
 Bedding type N040

Line: 3 / Section: 9

Start point ID	C0045
E-Modulus	207.15 kN/mm ²
Coefficient of expansion	1.24 E-05 1/K
Horizontal length component	0.10 m
Division	2
Bedding type	Air bedding

Line: 3 / Section: 10

Start point ID	C0050
Horizontal length component	1.80 m
Horizontal angular deviation	0.00 °
Angular deviation in space	45.00 °
Bend radius	970.00 mm
Bend wall thickness	6.30 mm
Division	2
Bedding type	Air bedding

Line: 3 / Section: 11

Start point ID	C0060
End point ID	TT03
Horizontal length component	0.60 m
Vertical length component	0.60 m
Length in space	0.85 m
Horizontal angular deviation	91.00 °
Angle of intersection	90.71 °
T-piece construction type	DN700/400 , reinforced with 8.00 mm reinforcement plate
Division	2
Bedding type	Air bedding

Line: 4 / Section: 1

Start point ID	D0010 , Point type: FE6
End conditions:	fp
	1.00
Project class	C with 250 load cycles
Outer diameter	711.00 mm
Wall thickness	8.00 mm
Diameter casing	900.00 mm
Medium pipe material	P235GH_EN253
E-Modulus	207.14 kN/mm ²
Coefficient of expansion	1.23 E-05 1/K
Section mass	571.21 kg/m
Maximum operating temperature	120.00 ° C
Installation temperature	10.00 ° C
Internal overpressure	16.00 bar
Allowable axial stress	180.00 N/mm ²
Allowable PUR compressive stress	0.15 N/mm ²
Cover at section end point	1.60 m
Friction angle of soil	32.50 °
Specifc weight of soil	19.00 kN/m ³
Horizontal length component	10.12 m
Local pre-stressing	0.00 mm
Division	20
Bedding type	High compaction bedding

		Line: 4 / Section: 2
Start point ID	D0012	
Horizontal length component	2.00 m	
Division	4	
Bedding type	N040	
		Line: 4 / Section: 3
Start point ID	D0015	
Horizontal length component	3.00 m	
Division	6	
Bedding type	N080	
		Line: 4 / Section: 4
Start point ID	D0017	
Horizontal length component	3.00 m	
Horizontal angular deviation	-88.00 °	
Angular deviation in space	88.00 °	
Bend radius	1067.00 mm	
Bend wall thickness	8.00 mm	
Division	4	
Bedding type	N120	
		Line: 4 / Section: 5
Start point ID	D0020	
Horizontal length component	3.00 m	
Division	4	
Bedding type	N120	
		Line: 4 / Section: 6
Start point ID	NN0006	
Horizontal length component	3.00 m	
Division	6	
Bedding type	N080	
		Line: 4 / Section: 7
Start point ID	D0021	
Horizontal length component	19.52 m	
Division	39	
Bedding type	High compaction bedding	
		Line: 4 / Section: 8
Start point ID	D0022	
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
		Line: 4 / Section: 9
Start point ID	D0023	
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	

		Line: 4 / Section: 10
Start point ID	D0025 , Point type: GLZ	
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	2.75 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 11
Start point ID	TG01	
Horizontal length component	2.75 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 12
Start point ID	D0030 , Point type: GLZ	
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 13
Start point ID	D0035	
E-Modulus	207.14 kN/mm ²	
Coefficient of expansion	1.23 E-05 1/K	
Cover at section end point	0.00 m	
Friction angle of soil	32.50 °	
Specicfic weight of soil	19.00 kN/m ³	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
		Line: 4 / Section: 14
Start point ID	D0037	
Cover at section end point	1.60 m	
Horizontal length component	58.54 m	
Division	117	
Bedding type	High compaction bedding	
		Line: 4 / Section: 15
Start point ID	NN0009	
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
		Line: 4 / Section: 16
Start point ID	NN0010	
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	

Start point ID	GNA-2	Line: 4 / Section: 17
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
Start point ID	NN0011	Line: 4 / Section: 18
E-Modulus	207.14 kN/mm ²	
Coefficient of expansion	1.23 E-05 1/K	
Cover at section end point	0.00 m	
Friction angle of soil	32.50 °	
Specicfic weight of soil	19.00 kN/m ³	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
Start point ID	D0039	Line: 4 / Section: 19
Cover at section end point	1.60 m	
Horizontal length component	45.08 m	
Division	90	
Bedding type	High compaction bedding	
Start point ID	NN0026 , Point type: EK	Line: 4 / Section: 20
End conditions:		
cwu	1954.00 N/mm	
d _{wu_min}	-50.00 mm	
d _{wu_max}	-50.00 mm	
A _w	4377.90 cm ²	
Horizontal length component	25.08 m	
Division	50	
Bedding type	High compaction bedding	
Start point ID	D0040	Line: 4 / Section: 21
Horizontal length component	0.10 m	
Division	1	
Bedding type	High compaction bedding	
Start point ID	D0041	Line: 4 / Section: 22
Horizontal length component	0.10 m	
Division	1	
Bedding type	High compaction bedding	
Start point ID	D0042	Line: 4 / Section: 23
Horizontal length component	1.77 m	
Division	4	
Bedding type	High compaction bedding	
Start point ID	NN0005	Line: 4 / Section: 24
Horizontal length component	1.77 m	
Division	4	
Bedding type	High compaction bedding	

Start point ID	KNA-2	Line: 4 / Section: 25
Horizontal length component	1.28 m	
Division	3	
Bedding type	High compaction bedding	
Start point ID	D0044	Line: 4 / Section: 26
Horizontal length component	1.28 m	
Division	3	
Bedding type	High compaction bedding	
Start point ID	D0045	Line: 4 / Section: 27
Horizontal length component	0.10 m	
Division	1	
Bedding type	High compaction bedding	
Start point ID	D0047	Line: 4 / Section: 28
Horizontal length component	0.10 m	
Division	1	
Bedding type	High compaction bedding	
Start point ID	D0050	Line: 4 / Section: 29
Horizontal length component	33.78 m	
Division	68	
Bedding type	High compaction bedding	
Start point ID	D0060	Line: 4 / Section: 30
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
Start point ID	NN0004	Line: 4 / Section: 31
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
Start point ID	D0061 , Point type: GLZ	Line: 4 / Section: 32
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	3.99 m	
Division	2	
Bedding type	Air bedding	
Start point ID	D0062 , Point type: GLZ	Line: 4 / Section: 33
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	

		Line: 4 / Section: 34
Start point ID	D0065	
E-Modulus	207.14 kN/mm ²	
Coefficient of expansion	1.23 E-05 1/K	
Cover at section end point	0.00 m	
Friction angle of soil	32.50 °	
Specicfic weight of soil	19.00 kN/m ³	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
		Line: 4 / Section: 35
Start point ID	D0070	
Cover at section end point	1.60 m	
Horizontal length component	10.99 m	
Division	22	
Bedding type	High compaction bedding	
		Line: 4 / Section: 36
Start point ID	D0075 , Point type: EK	
End conditions:	cwu 1954.00 N/mm	
	dwu_min -50.00 mm	
	dwu_max -50.00 mm	
	Aw 4377.90 cm ²	
Horizontal length component	12.00 m	
Division	24	
Bedding type	High compaction bedding	
		Line: 4 / Section: 37
Start point ID	D0080	
Cover at section end point	0.10 m	
Horizontal length component	14.00 m	
Division	28	
Bedding type	Low compaction bedding	
		Line: 4 / Section: 38
Start point ID	D0090	
Horizontal length component	15.98 m	
Division	32	
Bedding type	Low compaction bedding	
		Line: 4 / Section: 39
Start point ID	D0091	
Cover at section end point	1.60 m	
Horizontal length component	15.00 m	
Division	30	
Bedding type	High compaction bedding	
		Line: 4 / Section: 40
Start point ID	D0092	
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	

Start point ID	NN0012	Line: 4 / Section: 41
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
Start point ID	GNA-1 , Point type: HP3	Line: 4 / Section: 42
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
Start point ID	D0094	Line: 4 / Section: 43
E-Modulus	207.14 kN/mm ²	
Coefficient of expansion	1.23 E-05 1/K	
Cover at section end point	0.00 m	
Friction angle of soil	32.50 °	
Specicfic weight of soil	19.00 kN/m ³	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
Start point ID	D0095	Line: 4 / Section: 44
Cover at section end point	1.60 m	
Horizontal length component	2.00 m	
Division	4	
Bedding type	High compaction bedding	
Start point ID	D0100	Line: 4 / Section: 45
Cover at section end point	0.10 m	
Horizontal length component	18.00 m	
Division	36	
Bedding type	Low compaction bedding	
Start point ID	D0110	Line: 4 / Section: 46
Cover at section end point	1.60 m	
Horizontal length component	80.96 m	
Division	162	
Bedding type	High compaction bedding	
Start point ID	D0115	Line: 4 / Section: 47
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	

		Line: 4 / Section: 48
Start point ID	D0120	
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 49
Start point ID	D0125 , Point type: GLZ	
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	4.21 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 50
Start point ID	D0130 , Point type: GLZ	
End conditions: myw	0.50	
myv	0.50	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	
		Line: 4 / Section: 51
Start point ID	D0132	
E-Modulus	207.14 kN/mm ²	
Coefficient of expansion	1.23 E-05 1/K	
Cover at section end point	1.11 m	
Friction angle of soil	32.50 °	
Specicfic weight of soil	19.00 kN/m ³	
Horizontal length component	0.10 m	
Division	1	
Bedding type	High compaction bedding	
		Line: 4 / Section: 52
Start point ID	D0133	
Cover at section end point	1.60 m	
Horizontal length component	31.93 m	
Division	64	
Bedding type	High compaction bedding	
		Line: 4 / Section: 53
Start point ID	D0135	
Cover at section end point	0.00 m	
Horizontal length component	0.10 m	
Division	1	
Bedding type	Pipe on sand base	
		Line: 4 / Section: 54
Start point ID	D0140	
E-Modulus	207.15 kN/mm ²	
Coefficient of expansion	1.24 E-05 1/K	
Horizontal length component	0.10 m	
Division	2	
Bedding type	Air bedding	

Start point ID		D0145 , Point type: GLZ	Line: 4 / Section: 55
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		0.80 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0003 , Point type: KAX	Line: 4 / Section: 56
End conditions:	cwu	791.00 N/mm	
	Aw	4396.00 cm ²	
Horizontal length component		3.09 m	
Division		2	
Bedding type		Air bedding	
Start point ID		TG02	Line: 4 / Section: 57
Horizontal length component		1.59 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0025 , Point type: GLZ	Line: 4 / Section: 58
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		1.59 m	
Division		2	
Bedding type		Air bedding	
Start point ID		TG03	Line: 4 / Section: 59
Horizontal length component		0.15 m	
Division		2	
Bedding type		Air bedding	
Start point ID		KNA-1 , Point type: HP3	Line: 4 / Section: 60
Horizontal length component		1.79 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0013 , Point type: KAX	Line: 4 / Section: 61
End conditions:	cwu	791.00 N/mm	
	Aw	4396.00 cm ²	
Horizontal length component		1.79 m	
Division		2	
Bedding type		Air bedding	
Start point ID		D0146 , Point type: GLZ	Line: 4 / Section: 62
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		0.10 m	
Division		2	
Bedding type		Air bedding	

Line: 4 / Section: 63

Start point ID D0147
 E-Modulus 207.14 kN/mm²
 Coefficient of expansion 1.23 E-05 1/K
 Cover at section end point 0.00 m
 Friction angle of soil 32.50 °
 Specific weight of soil 19.00 kN/m³
 Horizontal length component 0.10 m
 Division 1
 Bedding type Pipe on sand base

Line: 4 / Section: 64

Start point ID D0155
 E-Modulus 207.15 kN/mm²
 Coefficient of expansion 1.24 E-05 1/K
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 65

Start point ID D0156 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 66

Start point ID NN0001 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 67

Start point ID D0157 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 68

Start point ID NN0002 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 69

Start point ID D0158 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 6.00 m
 Division 2
 Bedding type Air bedding

			Line: 4 / Section: 70
Start point ID		D0160 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 71
Start point ID		D0165 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 72
Start point ID		D0167 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 73
Start point ID		D0168 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 74
Start point ID		D0169 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 75
Start point ID		NN0014 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
			Line: 4 / Section: 76
Start point ID		NN0015 , Point type: GLZ	
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	

Start point ID		NN0016 , Point type: GLZ	Line: 4 / Section: 77
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0017 , Point type: GLZ	Line: 4 / Section: 78
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0018 , Point type: GLZ	Line: 4 / Section: 79
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0019 , Point type: GLZ	Line: 4 / Section: 80
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0020 , Point type: GLZ	Line: 4 / Section: 81
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0021 , Point type: GLZ	Line: 4 / Section: 82
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	
Start point ID		NN0022 , Point type: GLZ	Line: 4 / Section: 83
End conditions:	myw	0.50	
	myv	0.50	
Horizontal length component		6.00 m	
Division		2	
Bedding type		Air bedding	

Line: 4 / Section: 84

Start point ID NN0023 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 Horizontal length component 7.50 m
 Division 2
 Bedding type Air bedding

Line: 4 / Section: 85

Start point ID NN0024 , Point type: GLZ
 End conditions: myw 0.50
 myv 0.50
 End point ID D0170 , Point type: FP
 Horizontal length component 7.50 m
 Division 2
 Bedding type Air bedding

General view of lengths

	Start point	End point	Typ	Length	Line length
Line 01	A0010	NN0028	Reducer	5.0	5.0
	NN0028	NN0027	Bend	5.0	9.9
	NN0027	TT01	Branch	1.0	10.9
Line 02	B0010	B0060	Bend	42.1	42.1
	B0060	TT02	Branch	0.8	43.0
Line 03	C0010	C0060	Bend	40.0	40.0
	C0060	TT03	Branch	0.8	40.8
Line 04	D0010	D0020	Bend	18.1	18.1
	D0020	TG01	T-branch	28.5	46.6
	TG01	TG02	T-branch	386.7	433.3
	TG02	TG03	T-branch	3.2	436.5
	TG03	D0170	End	138.9	575.4

Results Load condition 1: Weight loading case (adt=0)

Coordinate system

- u,v,w - Local coordinate system (orthogonal system)
u - axial positive in direction of calculation
v - horizontal to right
w - vertical down
(for v and w special definition for bends and vertical sections, see manual)

Section results

- wu,wv,ww - Displacement in mm
pu,pv,pw - Rotation in mrad
Mu,Mv,Mw - Moments in kNm (Mu = Mt)
Qu,Qv,Qw - Forces in kN (Qu = Fn)
SIGV - Reference stress in N/mm² (or MPa)
(Maximum from calculation on inner- and outerfibre with 10 ° steps
in circum. direction, local stress factors based on the chosen calculation base)
SIGAX - Axial stress in N/mm² (or MPa)

More results and estimations

- FR'(wu) - axial friction with lateral compression in kN/m
MR'(pu) - Frictional torsion moment in kNm/m
Q'(wv) - lateral compression by wv-displacement in kN/m
Q'(ww) - lateral compression by ww-displacement in kN/m
SNR - section number within a section
KZ=G - characteristic for the straight area
KZ=B - characteristic for bends
KZ=T - characteristic for T-piece
KZ=K - characteristic for mitre

SNR	KZ	FR'(wu)	Q'(wv)	wu	wv	ww	Mu	Mv	Mw	SigV
		MR'(pu)	Q'(ww)	pu	pv	pw	Qu	Qv	Qw	SigAx
Line 1	Section 1									A0010 NN0029
000	G	3.56	-0.01	-0.2	0.0	-0.1	0.00	0.00	0.00	43.8
		0.00	0.77	0.0	0.0	0.0	194.88	0.00	0.00	24.6
001	G	3.22	-0.01	-0.2	0.0	-0.1	0.00	-0.09	0.00	43.7
		0.00	0.63	0.0	0.0	0.0	193.23	0.00	-0.34	24.4
002	G	2.89	-0.01	-0.2	0.0	-0.1	0.00	-0.33	0.00	43.6
		0.00	0.48	0.0	0.0	0.0	191.74	0.01	-0.61	24.2
003	G	2.57	-0.01	-0.2	0.0	0.0	0.00	-0.69	-0.01	43.5
		0.00	0.30	0.0	0.0	0.0	190.41	0.01	-0.80	24.0
004	G	2.25	-0.01	-0.1	0.0	0.0	0.00	-1.11	-0.02	43.4
		0.00	0.08	0.0	-0.1	0.0	189.23	0.02	-0.89	23.9
005	G	1.94	0.00	-0.1	0.0	0.0	0.00	-1.56	-0.02	43.6
		0.00	0.21	0.0	-0.1	0.0	188.21	0.02	-0.86	23.8
006	G	1.63	0.00	-0.1	0.0	0.1	0.00	-1.95	-0.03	44.0
		0.00	0.60	0.0	-0.1	0.0	187.34	0.02	-0.66	23.7
007	G	1.33	0.01	-0.1	0.0	0.1	0.00	-2.20	-0.04	44.5
		0.00	1.11	0.0	-0.1	0.0	186.62	0.02	-0.25	23.6
008	G	1.03	0.01	-0.1	0.0	0.2	0.00	-2.19	-0.05	45.1
		0.00	1.75	0.0	-0.2	0.0	186.05	0.01	0.45	23.5
009	G	0.73	0.03	0.0	0.0	0.3	0.00	-1.77	-0.06	45.7
		0.00	2.53	0.0	-0.2	0.0	185.62	0.00	1.49	23.4
010	G	0.43	0.04	0.0	0.0	0.4	0.00	-0.74	-0.05	46.3
		0.00	3.42	0.0	-0.2	0.0	185.34	-0.01	2.94	23.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 1	Section 2								NN0029 NN0028	
000	G	0.02	0.00	0.0	0.0	0.4	0.00	-0.74	-0.05	43.4
		0.00	0.08	0.0	-0.2	0.0	185.34	-0.01	2.94	23.4
001	G	0.02	0.00	0.0	0.0	0.4	0.00	-0.44	-0.05	43.4
		0.00	0.08	0.0	-0.2	0.0	185.34	-0.01	2.95	23.4
Line 1	Section 3								NN0028 NN0027	
000	G	0.00	0.00	0.0	0.0	0.4	0.00	-0.44	-0.05	24.2
		0.00	0.00	0.0	-0.2	0.0	113.34	-0.01	2.95	-
001	G	0.00	0.00	0.1	0.0	0.7	0.00	2.83	-0.02	29.6
		0.00	0.00	0.0	0.1	0.0	113.34	-0.01	-0.13	-
002	G	0.00	0.00	0.1	0.0	0.1	0.00	-1.05	0.01	25.5
		0.00	0.00	0.0	0.3	0.0	113.34	-0.01	-3.21	-
000	B	0.00	0.00	0.1	0.1	0.0	0.00	0.01	1.05	28.4
		0.00	0.00	0.0	0.0	-0.3	113.34	-3.21	0.01	-
001	B	0.00	0.00	0.1	0.1	0.0	0.00	0.01	1.22	29.2
		0.00	0.00	0.0	0.0	-0.3	113.11	-2.53	0.01	-
002	B	0.00	0.00	0.2	0.1	0.0	0.00	0.01	1.36	29.9
		0.00	0.00	0.0	0.0	-0.2	112.93	-1.83	0.01	-
003	B	0.00	0.00	0.2	0.1	0.0	0.01	0.02	1.45	30.4
		0.00	0.00	0.0	0.0	-0.1	112.80	-1.13	0.01	-
004	B	0.00	0.00	0.2	0.1	0.1	0.01	0.02	1.49	30.6
		0.00	0.00	0.0	0.0	-0.1	112.72	-0.41	0.01	-
005	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.50	30.6
		0.00	0.00	0.0	0.0	0.0	112.68	0.31	0.01	-
005	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.50	30.6
		0.00	0.00	0.0	0.0	0.0	112.68	0.31	0.01	-
006	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.45	30.4
		0.00	0.00	0.0	0.0	0.0	112.70	1.04	0.01	-
007	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.37	30.0
		0.00	0.00	0.0	0.0	0.1	112.77	1.77	0.01	-
008	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.24	29.3
		0.00	0.00	0.0	0.0	0.1	112.90	2.49	0.01	-
009	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	1.07	28.5
		0.00	0.00	0.0	0.0	0.2	113.07	3.20	0.01	-
010	B	0.00	0.00	0.2	0.0	0.1	0.01	0.02	0.85	27.4
		0.00	0.00	0.0	0.0	0.2	113.30	3.91	0.01	-
Line 1	Section 4								NN0027 TT01	
000	G	0.00	0.00	0.2	-0.1	0.0	0.01	-0.85	0.02	25.1
		0.00	0.00	0.0	-0.2	0.0	113.30	-0.01	3.91	-
001	G	0.00	0.00	0.2	-0.1	0.0	0.01	-0.25	0.02	23.7
		0.00	0.00	0.0	-0.2	0.0	113.15	-0.01	3.76	-
002	G	0.00	0.00	0.2	-0.1	0.1	0.01	0.33	0.02	23.9
		0.00	0.00	0.0	-0.2	0.0	113.00	-0.01	3.61	-
004	T	0.00	0.00	0.2	-0.1	0.1	0.01	0.33	0.02	0.0
		0.00	0.00	0.0	0.0	0.0	113.00	-0.01	3.61	-
005	T	0.00	0.00	0.2	-0.1	0.1	0.01	1.61	0.03	0.0
		0.00	0.00	0.0	0.0	0.0	-9.87	-0.01	3.61	-
006	T	0.00	0.00	-0.1	-0.2	0.1	1.61	-0.01	0.03	0.0
		0.00	0.00	0.0	0.0	0.0	-0.01	9.87	3.61	-
007	T	0.00	0.00	-0.1	-0.1	0.2	1.61	0.01	0.03	0.0
		0.00	0.00	0.0	0.0	0.0	-0.01	9.54	-4.43	-
Line 2	Section 1								B0010 B0020	
000	G	9.31	0.00	-0.4	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	194.88	0.00	0.00	24.6
001	G	8.76	0.00	-0.4	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	190.30	0.00	0.00	24.0
002	G	8.25	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	185.98	0.00	0.00	23.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	7.76	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	181.93	0.00	0.00	23.0
004	G	7.31	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	178.11	0.00	0.00	22.5
005	G	6.88	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	174.51	0.00	0.00	22.0
006	G	6.48	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	171.12	0.00	0.00	21.6
007	G	6.10	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	167.93	0.00	0.00	21.2
008	G	5.75	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	164.93	0.00	0.00	20.8
009	G	5.41	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	162.10	0.00	0.00	20.5
010	G	5.10	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	0.0	0.0	0.0	159.43	0.00	0.00	20.1
011	G	4.81	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	0.0	0.0	0.0	156.92	0.00	0.00	19.8
012	G	4.54	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	154.55	0.00	0.00	19.5
013	G	4.28	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	152.32	0.00	0.00	19.2
014	G	4.04	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	150.21	0.00	0.00	19.0
015	G	3.81	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	148.22	0.00	0.00	18.7
016	G	3.60	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	146.34	0.00	0.00	18.5
017	G	3.40	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	144.57	0.00	0.00	18.3
018	G	3.22	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	142.89	0.00	0.00	18.0
019	G	3.04	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	141.30	0.00	0.00	17.8
020	G	2.88	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	139.80	0.00	0.00	17.7
Line 2	Section 2								B0020 B0030	
000	G	2.88	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	139.80	0.00	0.00	17.7
001	G	2.66	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	138.41	0.00	0.00	17.5
002	G	2.47	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	137.13	0.00	0.00	17.3
003	G	2.28	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	135.94	0.00	0.00	17.2
004	G	2.11	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	134.84	0.00	0.00	17.0
005	G	1.96	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	133.82	0.00	0.00	16.9
006	G	1.81	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	132.88	0.00	0.00	16.8
007	G	1.68	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	132.00	0.00	0.00	16.7
008	G	1.55	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	131.19	0.00	0.00	16.6
009	G	1.43	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	130.45	0.00	0.00	16.5
010	G	1.33	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	129.75	0.00	0.00	16.4
011	G	1.23	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	129.11	0.00	0.00	16.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
012	G	1.13	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	128.52	0.00	0.00	16.2
013	G	1.05	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.98	0.00	0.00	16.2
014	G	0.97	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.47	0.00	0.00	16.1
015	G	0.89	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.00	0.00	0.00	16.0
016	G	0.82	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	126.58	0.00	0.00	16.0
017	G	0.76	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	126.18	0.00	0.00	15.9
018	G	0.70	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.82	0.00	0.00	15.9
019	G	0.64	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.48	0.00	0.00	15.8
020	G	0.59	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.17	0.00	0.00	15.8
021	G	0.54	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.89	0.00	0.00	15.8
022	G	0.49	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.64	0.00	0.00	15.7
023	G	0.44	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.40	0.00	0.00	15.7
024	G	0.40	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.19	0.00	0.00	15.7
025	G	0.36	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.00	0.00	0.00	15.7
026	G	0.33	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.83	0.00	0.00	15.6
027	G	0.29	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.67	0.00	0.00	15.6
028	G	0.26	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.53	0.00	0.00	15.6
029	G	0.23	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.41	0.00	0.00	15.6
030	G	0.20	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.30	0.00	0.00	15.6
031	G	0.18	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.20	0.00	0.00	15.6
032	G	0.15	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.12	0.00	0.00	15.5
033	G	0.13	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.05	0.00	0.00	15.5
034	G	0.11	0.00	0.0	0.0	0.0	0.00	-0.01	0.01	44.3
		0.00	0.00	0.0	0.0	0.0	122.99	0.00	0.00	15.5
035	G	0.09	0.00	0.0	0.0	0.0	0.00	-0.01	0.01	44.3
		0.00	0.00	0.0	0.0	0.0	122.94	0.00	0.00	15.5
036	G	0.07	0.00	0.0	0.0	0.0	0.00	-0.01	0.01	44.3
		0.00	0.00	0.0	0.0	0.0	122.90	0.00	0.00	15.5
037	G	0.05	0.00	0.0	0.0	0.0	0.00	-0.01	0.01	44.3
		0.00	0.01	0.0	0.0	0.0	122.87	0.00	0.00	15.5
Line	2	Section	3						B0030	B0032
000	G	0.05	0.00	0.0	0.0	0.0	0.00	-0.01	0.01	44.3
		0.00	0.01	0.0	0.0	0.0	122.87	0.00	0.00	15.5
001	G	0.07	-0.01	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	122.84	0.01	0.01	15.5
002	G	0.09	-0.01	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	122.80	0.01	0.01	15.5
003	G	0.10	-0.01	0.0	0.0	0.0	0.00	0.01	-0.01	44.3
		0.00	0.01	0.0	0.0	0.0	122.75	0.01	0.02	15.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	0.12	-0.01	0.0	0.0	0.0	0.00	0.02	-0.02	44.3
		0.00	0.02	0.0	0.0	0.0	122.69	0.02	0.03	15.5
005	G	0.13	-0.01	0.0	0.0	0.0	0.00	0.03	-0.03	44.4
		0.00	0.02	0.0	0.0	0.0	122.63	0.03	0.04	15.5
006	G	0.13	-0.01	0.0	0.0	0.0	0.00	0.06	-0.04	44.4
		0.00	0.02	0.0	0.0	0.0	122.56	0.04	0.05	15.5
007	G	0.14	-0.01	0.0	0.0	0.0	0.00	0.08	-0.06	44.4
		0.00	0.01	0.0	0.0	0.0	122.50	0.04	0.05	15.5
008	G	0.14	0.00	0.0	0.0	0.0	0.00	0.11	-0.09	44.4
		0.00	0.00	0.0	0.0	0.0	122.43	0.05	0.06	15.5
009	G	0.14	0.01	0.0	0.0	0.0	0.00	0.14	-0.11	44.4
		0.00	0.01	0.0	0.0	0.0	122.36	0.04	0.05	15.5
010	G	0.14	0.03	0.0	0.0	0.0	0.00	0.17	-0.13	44.4
		0.00	0.04	0.0	0.0	0.0	122.29	0.03	0.04	15.4
011	G	0.13	0.06	0.0	0.0	0.0	0.00	0.18	-0.14	44.4
		0.00	0.08	0.0	0.0	0.0	122.22	0.01	0.01	15.4
012	G	0.13	0.10	0.0	0.0	0.0	0.00	0.18	-0.14	44.4
		0.00	0.13	0.0	0.0	0.0	122.15	-0.03	-0.04	15.4
013	G	0.12	0.15	0.0	0.0	0.0	0.00	0.14	-0.11	44.4
		0.00	0.19	0.0	0.0	0.0	122.09	-0.10	-0.13	15.4
014	G	0.11	0.21	0.0	0.0	0.0	0.00	0.05	-0.04	44.4
		0.00	0.27	0.0	0.0	0.0	122.03	-0.19	-0.24	15.4
015	G	0.10	0.27	0.0	0.0	0.0	0.00	-0.11	0.09	44.4
		0.00	0.34	0.0	0.0	0.0	121.98	-0.32	-0.40	15.4
016	G	0.08	0.33	0.0	0.0	0.0	0.01	-0.36	0.28	44.5
		0.00	0.41	0.0	0.0	0.0	121.93	-0.47	-0.59	15.4
017	G	0.07	0.36	0.0	0.0	-0.1	0.01	-0.71	0.56	44.7
		0.00	0.45	0.0	0.0	0.0	121.90	-0.64	-0.81	15.4
018	G	0.05	0.35	0.0	0.0	0.0	0.01	-1.18	0.94	44.9
		0.00	0.45	0.0	0.0	0.0	121.87	-0.83	-1.04	15.4
019	G	0.03	0.28	0.0	0.0	0.0	0.01	-1.76	1.40	45.1
		0.00	0.35	0.0	0.0	0.0	121.85	-0.99	-1.24	15.4
020	G	0.01	0.11	0.0	0.0	0.0	0.01	-2.44	1.94	45.4
		0.00	0.13	0.0	-0.1	0.1	121.84	-1.08	-1.36	15.4
Line 2	Section 4								B0032 NN0008	
000	G	0.00	0.01	0.0	0.0	0.0	0.01	-2.44	1.94	45.4
		0.00	0.00	0.0	-0.1	0.1	121.84	-1.08	-1.36	15.4
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.57	2.05	45.5
		0.00	0.00	0.0	-0.1	0.1	121.84	-1.09	-1.36	15.4
Line 2	Section 5								NN0008 GNA-3	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.57	2.05	30.0
		0.00	0.00	0.0	-0.1	0.1	121.84	-1.09	-1.36	-
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.65	2.10	30.1
		0.00	0.00	0.0	-0.1	0.1	121.84	-1.09	-1.46	-
002	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.72	2.16	30.3
		0.00	0.00	0.0	-0.1	0.1	121.84	-1.09	-1.56	-
Line 2	Section 6								GNA-3 B0035	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.72	2.16	30.3
		0.00	0.00	0.0	-0.1	0.1	189.73	0.73	2.69	-
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.59	2.12	30.1
		0.00	0.00	0.0	-0.1	0.1	189.73	0.73	2.59	-
002	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.46	2.08	29.9
		0.00	0.00	0.0	-0.1	0.1	189.73	0.73	2.49	-
Line 2	Section 7								B0035 B0040	
000	G	0.00	-0.01	0.0	0.0	0.0	0.01	-2.46	2.08	43.6
		0.00	0.00	0.0	-0.1	0.1	189.73	0.73	2.49	24.0
001	G	-0.01	-0.01	0.0	0.0	0.0	0.01	-2.21	2.01	43.6
		0.00	0.00	0.0	-0.1	0.1	189.73	0.73	2.49	24.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 2 Section 8									B0040	B0050
000	G	-0.21	-0.03	0.0	0.0	0.0	0.01	-2.21	2.01	43.6
		0.00	0.04	0.0	-0.1	0.1	189.73	0.73	2.49	24.0
001	G	-0.73	-0.13	0.0	0.1	0.1	0.01	-0.96	1.64	43.5
		0.00	0.16	0.0	-0.1	0.1	189.96	0.77	2.54	24.0
002	G	-1.25	-0.25	0.1	0.1	0.1	0.01	0.33	1.24	43.4
		0.00	0.29	0.0	-0.1	0.1	190.46	0.87	2.65	24.1
Line 2 Section 9									B0050	B0055
000	G	0.00	0.00	0.1	0.1	0.1	0.01	0.33	1.24	27.4
		0.00	0.00	0.0	-0.1	0.1	190.46	0.87	2.65	-
001	G	0.00	0.00	0.1	0.1	0.1	0.01	0.46	1.20	27.4
		0.00	0.00	0.0	-0.1	0.1	190.46	0.87	2.55	-
002	G	0.00	0.00	0.1	0.1	0.1	0.01	0.58	1.15	27.5
		0.00	0.00	0.0	-0.1	0.1	190.46	0.87	2.45	-
Line 2 Section 10									B0055	B0060
000	G	0.00	0.00	0.1	0.1	0.1	0.01	0.58	1.15	27.5
		0.00	0.00	0.0	-0.1	0.1	190.46	0.87	2.45	-
001	G	0.00	0.00	0.1	0.2	0.2	0.01	1.82	0.55	28.2
		0.00	0.00	0.0	-0.1	0.1	190.46	0.87	1.07	-
002	G	0.00	0.00	0.1	0.3	0.3	0.01	2.08	-0.05	28.5
		0.00	0.00	0.0	-0.1	0.2	190.46	0.87	-0.31	-
000	B	0.00	0.00	0.1	-0.3	0.3	0.01	0.05	2.08	32.1
		0.00	0.00	0.0	-0.2	-0.1	190.46	0.31	0.87	-
001	B	0.00	0.00	0.1	-0.3	0.3	0.02	0.12	2.04	32.0
		0.00	0.00	0.0	-0.2	0.0	190.51	0.80	0.87	-
002	B	0.00	0.00	0.1	-0.3	0.4	0.03	0.18	1.96	31.8
		0.00	0.00	0.0	-0.1	0.0	190.61	1.29	0.87	-
003	B	0.00	0.00	0.1	-0.3	0.4	0.05	0.25	1.85	31.4
		0.00	0.00	0.0	-0.1	0.1	190.76	1.77	0.87	-
004	B	0.00	0.00	0.0	-0.3	0.4	0.07	0.31	1.69	31.0
		0.00	0.00	0.0	-0.1	0.1	190.95	2.23	0.87	-
005	B	0.00	0.00	0.0	-0.3	0.4	0.10	0.37	1.51	30.5
		0.00	0.00	0.0	-0.1	0.2	191.20	2.67	0.87	-
005	B	0.00	0.00	0.0	-0.3	0.4	0.10	0.37	1.51	30.5
		0.00	0.00	0.0	-0.1	0.2	191.20	2.67	0.87	-
006	B	0.00	0.00	0.0	-0.3	0.4	0.13	0.42	1.29	29.9
		0.00	0.00	-0.1	-0.1	0.2	191.49	3.09	0.87	-
007	B	0.00	0.00	0.0	-0.2	0.4	0.16	0.48	1.04	29.3
		0.00	0.00	-0.1	-0.1	0.2	191.82	3.47	0.87	-
008	B	0.00	0.00	0.0	-0.2	0.4	0.20	0.53	0.76	28.7
		0.00	0.00	-0.1	-0.1	0.3	192.19	3.82	0.87	-
009	B	0.00	0.00	0.0	-0.2	0.4	0.25	0.58	0.46	28.2
		0.00	0.00	-0.1	-0.1	0.3	192.59	4.13	0.87	-
010	B	0.00	0.00	-0.1	-0.2	0.4	0.29	0.62	0.13	27.9
		0.00	0.00	0.0	0.0	0.3	193.03	4.41	0.87	-
Line 2 Section 11									B0060	TT02
000	G	0.00	0.00	-0.1	0.4	0.2	0.29	0.13	-0.62	26.7
		0.00	0.00	0.0	0.3	0.0	193.03	0.87	-4.41	-
001	G	0.00	0.00	-0.1	0.4	0.2	0.29	-0.07	-0.66	26.7
		0.00	0.00	0.0	0.3	0.0	193.10	0.87	-4.47	-
002	G	0.00	0.00	-0.1	0.4	0.1	0.29	-0.28	-0.70	26.8
		0.00	0.00	0.0	0.3	0.0	193.16	0.87	-4.53	-
004	T	0.00	0.00	-0.1	0.4	0.1	0.29	-0.28	-0.70	0.0
		0.00	0.00	0.0	0.2	0.0	193.16	0.87	-4.53	-
005	T	0.00	0.00	-0.1	0.4	0.1	0.29	-1.89	-1.01	0.0
		0.00	0.00	0.0	0.2	0.0	-1.72	0.87	-4.53	-
006	T	0.00	0.00	0.4	0.1	0.1	-1.89	-0.29	-1.01	0.0
		0.00	0.00	0.2	0.0	0.0	0.87	1.72	-4.53	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
007	T	0.00	0.00	0.4	0.0	0.1	-1.89	0.51	-0.92	0.0
		0.00	0.00	0.2	0.1	0.0	0.87	4.42	-1.99	-
Line 3 Section 1									C0010	C0020
000	G	9.38	0.00	-0.4	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	194.88	0.00	0.00	24.6
001	G	8.83	0.00	-0.4	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	190.30	0.00	0.00	24.0
002	G	8.32	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	185.98	0.00	0.00	23.5
003	G	7.84	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	181.92	0.00	0.00	23.0
004	G	7.39	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	178.09	0.00	0.00	22.5
005	G	6.96	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	174.48	0.00	0.00	22.0
006	G	6.57	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	171.07	0.00	0.00	21.6
007	G	6.19	0.00	-0.3	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	167.86	0.00	0.00	21.2
008	G	5.84	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	164.84	0.00	0.00	20.8
009	G	5.51	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.5
		0.00	0.00	0.0	0.0	0.0	161.98	0.00	0.00	20.5
010	G	5.20	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	0.0	0.0	0.0	159.28	0.00	0.00	20.1
011	G	4.91	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	0.0	0.0	0.0	156.74	0.00	0.00	19.8
012	G	4.64	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	154.34	0.00	0.00	19.5
013	G	4.39	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	152.06	0.00	0.00	19.2
014	G	4.15	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.7
		0.00	0.00	0.0	0.0	0.0	149.91	0.00	0.00	18.9
015	G	3.93	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	147.88	0.00	0.00	18.7
016	G	3.72	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	145.96	0.00	0.00	18.4
Line 3 Section 2									C0020	C0030
000	G	3.72	0.00	-0.2	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	145.96	0.00	0.00	18.4
001	G	3.44	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	144.16	0.00	0.00	18.2
002	G	3.19	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	142.49	0.00	0.00	18.0
003	G	2.95	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	140.96	0.00	0.00	17.8
004	G	2.73	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	139.53	0.00	0.00	17.6
005	G	2.53	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	138.21	0.00	0.00	17.5
006	G	2.34	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	136.99	0.00	0.00	17.3
007	G	2.16	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	135.86	0.00	0.00	17.2
008	G	2.00	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	134.82	0.00	0.00	17.0
009	G	1.85	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	133.85	0.00	0.00	16.9
010	G	1.71	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	132.96	0.00	0.00	16.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
011	G	1.58	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	132.13	0.00	0.00	16.7
012	G	1.46	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	131.36	0.00	0.00	16.6
013	G	1.35	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	130.66	0.00	0.00	16.5
014	G	1.25	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	130.00	0.00	0.00	16.4
015	G	1.15	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	129.40	0.00	0.00	16.3
016	G	1.06	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	128.85	0.00	0.00	16.3
017	G	0.98	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	128.33	0.00	0.00	16.2
018	G	0.90	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.86	0.00	0.00	16.1
019	G	0.82	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.43	0.00	0.00	16.1
020	G	0.75	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	127.04	0.00	0.00	16.0
021	G	0.69	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	126.67	0.00	0.00	16.0
022	G	0.63	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	126.34	0.00	0.00	16.0
023	G	0.57	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.2
		0.00	0.00	0.0	0.0	0.0	126.04	0.00	0.00	15.9
024	G	0.52	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.77	0.00	0.00	15.9
025	G	0.47	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.52	0.00	0.00	15.9
026	G	0.42	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.30	0.00	0.00	15.8
027	G	0.38	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	125.09	0.00	0.00	15.8
028	G	0.34	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.91	0.00	0.00	15.8
029	G	0.30	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.76	0.00	0.00	15.8
030	G	0.26	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.62	0.00	0.00	15.7
031	G	0.23	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.49	0.00	0.00	15.7
032	G	0.20	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.39	0.00	0.00	15.7
033	G	0.17	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.29	0.00	0.00	15.7
034	G	0.14	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.22	0.00	0.00	15.7
035	G	0.11	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.15	0.00	0.00	15.7
036	G	0.09	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	124.10	0.00	0.00	15.7
037	G	0.07	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	124.06	0.00	0.00	15.7
Line 3	Section 3								C0030 C0032	
000	G	0.07	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	124.06	0.00	0.00	15.7
001	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	124.02	0.00	0.01	15.7
002	G	0.12	0.00	0.0	0.0	0.0	0.00	0.00	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	123.97	0.00	0.01	15.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	0.13	0.00	0.0	0.0	0.0	0.00	0.01	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	123.91	0.00	0.02	15.6
004	G	0.15	0.00	0.0	0.0	0.0	0.00	0.02	0.00	44.3
		0.00	0.02	0.0	0.0	0.0	123.84	0.00	0.02	15.6
005	G	0.16	0.00	0.0	0.0	0.0	0.00	0.03	0.00	44.3
		0.00	0.02	0.0	0.0	0.0	123.76	0.00	0.03	15.6
006	G	0.17	0.00	0.0	0.0	0.0	0.00	0.05	0.00	44.3
		0.00	0.02	0.0	0.0	0.0	123.67	0.00	0.04	15.6
007	G	0.18	0.00	0.0	0.0	0.0	0.00	0.07	0.00	44.3
		0.00	0.01	0.0	0.0	0.0	123.59	0.00	0.05	15.6
008	G	0.18	0.00	0.0	0.0	0.0	0.00	0.10	0.00	44.3
		0.00	0.00	0.0	0.0	0.0	123.50	0.00	0.05	15.6
009	G	0.18	0.00	0.0	0.0	0.0	0.00	0.12	0.00	44.4
		0.00	0.01	0.0	0.0	0.0	123.41	0.00	0.05	15.6
010	G	0.18	0.00	0.0	0.0	0.0	0.00	0.15	0.00	44.4
		0.00	0.04	0.0	0.0	0.0	123.32	0.00	0.03	15.6
011	G	0.17	0.00	0.0	0.0	0.0	0.00	0.16	-0.01	44.4
		0.00	0.07	0.0	0.0	0.0	123.23	0.00	0.00	15.6
012	G	0.16	0.00	0.0	0.0	0.0	0.00	0.15	-0.01	44.5
		0.00	0.12	0.0	0.0	0.0	123.15	0.00	-0.04	15.6
013	G	0.15	0.01	0.0	0.0	0.0	0.00	0.11	0.00	44.5
		0.00	0.17	0.0	0.0	0.0	123.07	0.00	-0.12	15.5
014	G	0.14	0.01	0.0	0.0	0.0	0.01	0.03	0.00	44.5
		0.00	0.24	0.0	0.0	0.0	123.00	-0.01	-0.22	15.5
015	G	0.12	0.01	0.0	0.0	0.0	0.01	-0.11	0.00	44.6
		0.00	0.30	0.0	0.0	0.0	122.93	-0.01	-0.35	15.5
016	G	0.11	0.01	0.0	0.0	0.0	0.01	-0.32	0.01	44.7
		0.00	0.36	0.0	0.0	0.0	122.87	-0.02	-0.52	15.5
017	G	0.09	0.01	0.0	0.0	0.0	0.01	-0.63	0.02	44.8
		0.00	0.39	0.0	0.0	0.0	122.83	-0.02	-0.71	15.5
018	G	0.06	0.01	0.0	0.0	0.0	0.01	-1.03	0.03	44.9
		0.00	0.39	0.0	0.0	0.0	122.79	-0.03	-0.90	15.5
019	G	0.04	0.01	0.0	0.0	0.0	0.01	-1.53	0.05	45.0
		0.00	0.30	0.0	0.0	0.0	122.76	-0.04	-1.08	15.5
020	G	0.01	0.00	0.0	0.0	0.0	0.01	-2.11	0.07	45.1
		0.00	0.11	0.0	-0.1	0.0	122.75	-0.04	-1.18	15.5
Line 3	Section 4								C0032 NN0007	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.11	0.07	45.0
		0.00	0.00	0.0	-0.1	0.0	122.75	-0.04	-1.18	15.5
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.23	0.07	45.0
		0.00	0.00	0.0	-0.1	0.0	122.75	-0.04	-1.18	15.5
Line 3	Section 5								NN0007 GNA-4	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.23	0.07	28.7
		0.00	0.00	0.0	-0.1	0.0	122.75	-0.04	-1.18	-
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.29	0.08	28.7
		0.00	0.00	0.0	-0.1	0.0	122.75	-0.04	-1.28	-
002	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.36	0.08	28.8
		0.00	0.00	0.0	-0.1	0.0	122.75	-0.04	-1.38	-
Line 3	Section 6								GNA-4 C0035	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.36	0.08	28.8
		0.00	0.00	0.0	-0.1	0.0	189.76	0.03	2.59	-
001	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.23	0.08	28.7
		0.00	0.00	0.0	-0.1	0.0	189.76	0.03	2.50	-
002	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.11	0.08	28.5
		0.00	0.00	0.0	-0.1	0.0	189.76	0.03	2.40	-
Line 3	Section 7								C0035 C0040	
000	G	0.00	0.00	0.0	0.0	0.0	0.01	-2.11	0.08	43.5
		0.00	0.00	0.0	-0.1	0.0	189.76	0.03	2.40	24.0
001	G	-0.01	0.00	0.0	0.0	0.0	0.01	-1.87	0.07	43.4
		0.00	0.00	0.0	-0.1	0.0	189.76	0.03	2.40	24.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 3 Section 8									C0040	C0045
000	G	-0.21	0.00	0.0	0.0	0.0	0.01	-1.87	0.07	43.5
		0.00	0.03	0.0	-0.1	0.0	189.76	0.03	2.40	24.0
001	G	-0.73	0.00	0.0	0.0	0.1	0.01	-0.67	0.06	43.5
		0.00	0.13	0.0	-0.1	0.0	190.00	0.03	2.44	24.0
002	G	-1.25	-0.01	0.1	0.0	0.1	0.02	0.57	0.04	43.5
		0.00	0.25	0.0	-0.1	0.0	190.49	0.03	2.53	24.1
Line 3 Section 9									C0045	C0050
000	G	0.00	0.00	0.1	0.0	0.1	0.02	0.57	0.04	26.5
		0.00	0.00	0.0	-0.1	0.0	190.49	0.03	2.53	-
001	G	0.00	0.00	0.1	0.0	0.1	0.02	0.69	0.04	26.7
		0.00	0.00	0.0	-0.1	0.0	190.49	0.03	2.43	-
002	G	0.00	0.00	0.1	0.0	0.1	0.02	0.81	0.04	26.8
		0.00	0.00	0.0	-0.1	0.0	190.49	0.03	2.34	-
Line 3 Section 10									C0050	C0060
000	G	0.00	0.00	0.1	0.0	0.1	0.02	0.81	0.04	26.8
		0.00	0.00	0.0	-0.1	0.0	190.49	0.03	2.34	-
001	G	0.00	0.00	0.1	0.0	0.2	0.02	1.96	0.01	28.3
		0.00	0.00	0.0	-0.1	0.0	190.49	0.03	0.95	-
002	G	0.00	0.00	0.1	0.0	0.2	0.02	2.15	-0.01	28.6
		0.00	0.00	0.0	0.0	0.0	190.49	0.03	-0.43	-
000	B	0.00	0.00	0.1	-0.2	0.0	0.02	0.01	2.15	32.3
		0.00	0.00	0.0	0.0	0.0	190.49	0.43	0.03	-
001	B	0.00	0.00	0.1	-0.2	0.0	0.02	0.01	2.10	32.2
		0.00	0.00	0.0	0.0	0.0	190.55	0.92	0.03	-
002	B	0.00	0.00	0.1	-0.2	0.0	0.02	0.01	2.01	31.9
		0.00	0.00	0.0	0.0	0.1	190.66	1.40	0.03	-
003	B	0.00	0.00	0.1	-0.2	0.0	0.02	0.01	1.88	31.5
		0.00	0.00	0.0	0.0	0.1	190.82	1.88	0.03	-
004	B	0.00	0.00	0.1	-0.2	0.0	0.02	0.01	1.72	31.0
		0.00	0.00	0.0	0.0	0.2	191.02	2.33	0.03	-
005	B	0.00	0.00	0.0	-0.2	0.0	0.02	0.02	1.53	30.4
		0.00	0.00	0.0	0.0	0.2	191.28	2.77	0.03	-
005	B	0.00	0.00	0.0	-0.2	0.0	0.02	0.02	1.53	30.4
		0.00	0.00	0.0	0.0	0.2	191.28	2.77	0.03	-
006	B	0.00	0.00	0.0	-0.2	0.0	0.02	0.02	1.30	29.7
		0.00	0.00	0.0	0.0	0.3	191.57	3.17	0.03	-
007	B	0.00	0.00	0.0	-0.2	0.0	0.02	0.02	1.04	29.0
		0.00	0.00	0.0	0.0	0.3	191.91	3.55	0.03	-
008	B	0.00	0.00	0.0	-0.2	0.0	0.03	0.02	0.76	28.1
		0.00	0.00	0.0	0.0	0.3	192.29	3.90	0.03	-
009	B	0.00	0.00	0.0	-0.1	0.0	0.03	0.02	0.45	27.2
		0.00	0.00	0.0	0.0	0.3	192.70	4.20	0.03	-
010	B	0.00	0.00	0.0	-0.1	0.0	0.03	0.02	0.12	26.2
		0.00	0.00	0.0	0.0	0.3	193.14	4.47	0.03	-
Line 3 Section 11									C0060	TT03
000	G	0.00	0.00	0.0	0.0	0.1	0.03	0.12	-0.02	26.0
		0.00	0.00	0.0	0.3	0.0	193.14	0.03	-4.47	-
001	G	0.00	0.00	0.0	0.0	0.1	0.03	-0.08	-0.02	25.9
		0.00	0.00	0.0	0.3	0.0	193.20	0.03	-4.53	-
002	G	0.00	0.00	0.0	0.0	0.1	0.03	-0.29	-0.02	26.2
		0.00	0.00	0.0	0.3	0.0	193.27	0.03	-4.59	-
004	T	0.00	0.00	0.0	0.0	0.1	0.03	-0.29	-0.03	0.0
		0.00	0.00	0.0	0.2	0.0	193.27	0.09	-4.59	-
005	T	0.00	0.00	0.0	0.0	0.0	0.03	-1.92	-0.06	0.0
		0.00	0.00	0.0	0.2	0.0	-1.61	0.09	-4.59	-
006	T	0.00	0.00	0.0	0.0	0.0	-1.92	-0.01	-0.06	0.0
		0.00	0.00	0.2	0.0	0.0	0.11	1.61	-4.59	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
007	T	0.00	0.00	0.0	0.0	0.0	-1.92	0.04	-0.04	0.0
		0.00	0.00	0.2	0.0	0.0	0.11	4.38	-2.11	-
Line 4 Section 1									D0010	D0012
000	G	14.12	-0.04	-0.5	0.0	0.0	0.00	0.00	0.00	60.2
		0.00	0.00	0.0	0.0	0.0	606.99	0.00	0.00	34.4
001	G	13.16	-0.02	-0.4	0.0	0.0	0.00	0.00	0.00	60.2
		0.00	0.00	0.0	0.0	0.0	600.08	0.02	0.00	34.0
002	G	12.23	-0.01	-0.4	0.0	0.0	0.00	0.00	-0.02	60.2
		0.00	0.00	0.0	0.0	0.0	593.66	0.02	0.00	33.6
003	G	11.33	0.01	-0.4	0.0	0.0	0.00	0.00	-0.03	60.2
		0.00	0.00	0.0	0.0	0.0	587.70	0.02	0.00	33.3
004	G	10.45	0.02	-0.4	0.0	0.0	0.00	0.00	-0.04	60.2
		0.00	0.00	0.0	0.0	0.0	582.19	0.01	0.00	33.0
005	G	9.59	0.04	-0.3	0.0	0.0	0.00	0.00	-0.04	60.2
		0.00	0.00	0.0	0.0	0.0	577.12	0.00	0.00	32.7
006	G	8.75	0.06	-0.3	0.0	0.0	0.00	0.00	-0.04	60.3
		0.00	0.00	0.0	0.0	0.0	572.47	-0.03	0.00	32.4
007	G	7.93	0.07	-0.3	0.0	0.0	0.00	0.00	-0.02	60.3
		0.00	0.00	0.0	0.0	0.0	568.25	-0.06	0.00	32.2
008	G	7.13	0.09	-0.2	0.0	0.0	0.00	0.00	0.02	60.3
		0.00	0.00	0.0	0.0	0.0	564.44	-0.10	0.00	31.9
009	G	6.34	0.11	-0.2	0.0	0.0	0.00	0.00	0.09	60.3
		0.00	0.00	0.0	0.0	0.0	561.04	-0.15	0.00	31.8
010	G	5.56	0.12	-0.2	0.0	0.0	0.00	0.00	0.17	60.3
		0.00	0.00	0.0	0.0	0.0	558.03	-0.21	0.00	31.6
011	G	4.79	0.14	-0.2	0.0	0.0	0.00	0.00	0.30	60.3
		0.00	0.00	0.0	0.0	0.0	555.41	-0.27	0.00	31.4
012	G	4.04	0.15	-0.1	0.0	0.0	0.00	0.00	0.45	60.4
		0.00	0.00	0.0	0.0	0.0	553.17	-0.34	0.00	31.3
013	G	3.29	0.16	-0.1	0.0	0.0	0.00	0.00	0.64	60.4
		0.00	0.00	0.0	0.0	0.0	551.32	-0.42	0.00	31.2
014	G	2.55	0.17	-0.1	0.0	0.0	0.00	0.00	0.88	60.4
		0.00	0.00	0.0	0.0	0.0	549.84	-0.51	0.00	31.1
015	G	1.81	0.17	-0.1	0.0	0.0	0.00	0.00	1.16	60.4
		0.00	0.00	0.0	0.0	0.0	548.74	-0.59	0.00	31.1
016	G	1.08	0.17	0.0	0.0	0.0	0.00	0.00	1.48	60.4
		0.00	0.00	0.0	0.0	0.0	548.01	-0.68	0.00	31.0
017	G	0.35	0.16	0.0	0.0	0.0	0.00	0.00	1.84	60.4
		0.00	0.00	0.0	0.0	0.0	547.64	-0.76	0.00	31.0
018	G	-0.38	0.14	0.0	0.0	0.0	0.00	0.00	2.25	60.4
		0.00	0.00	0.0	0.0	0.0	547.65	-0.84	0.00	31.0
019	G	-1.11	0.11	0.0	0.0	0.0	0.00	0.00	2.69	60.4
		0.00	0.00	0.0	0.0	0.0	548.03	-0.91	0.00	31.0
020	G	-1.84	0.07	0.1	0.0	0.0	0.00	0.00	3.17	60.4
		0.00	0.00	0.0	0.0	0.0	548.77	-0.95	0.00	31.1
Line 4 Section 2									D0012	D0015
000	G	-1.84	0.06	0.1	0.0	0.0	0.00	0.00	3.17	60.4
		0.00	0.00	0.0	0.0	0.0	548.77	-0.95	0.00	31.1
001	G	-2.56	0.01	0.1	0.0	0.0	0.00	0.00	3.65	60.4
		0.00	0.00	0.0	0.0	0.0	549.87	-0.97	0.00	31.1
002	G	-3.30	-0.05	0.1	0.0	0.0	0.00	0.00	4.14	60.4
		0.00	0.00	0.0	0.0	0.0	551.34	-0.96	0.00	31.2
003	G	-4.04	-0.13	0.1	0.0	0.0	0.00	0.00	4.61	60.5
		0.00	0.00	0.0	0.0	0.0	553.17	-0.92	0.00	31.3
004	G	-4.78	-0.23	0.2	0.1	0.0	0.00	0.00	5.05	60.5
		0.00	0.00	0.0	0.0	0.1	555.37	-0.82	0.00	31.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 3									D0015	D0017
000	G	-4.78	-0.21	0.2	0.1	0.0	0.00	0.00	5.05	60.5
		0.00	0.00	0.0	0.0	0.1	555.37	-0.82	0.00	31.4
001	G	-5.54	-0.33	0.2	0.1	0.0	0.00	0.00	5.44	60.6
		0.00	0.00	0.0	0.0	0.1	557.95	-0.69	0.00	31.6
002	G	-6.31	-0.46	0.2	0.1	0.0	0.00	0.00	5.74	60.6
		0.00	0.00	0.0	0.0	0.1	560.92	-0.49	0.00	31.7
003	G	-7.09	-0.61	0.2	0.2	0.0	0.00	0.00	5.93	60.7
		0.00	0.00	0.0	0.0	0.1	564.26	-0.23	0.00	31.9
004	G	-7.88	-0.79	0.3	0.2	0.0	0.00	0.00	5.97	60.8
		0.00	0.00	0.0	0.0	0.1	568.01	0.12	0.00	32.1
005	G	-8.69	-0.99	0.3	0.3	0.0	0.00	0.00	5.81	60.8
		0.00	0.00	0.0	0.0	0.1	572.15	0.57	0.00	32.4
006	G	-9.52	-1.21	0.3	0.4	0.0	0.00	0.00	5.40	60.9
		0.00	0.00	0.0	0.0	0.1	576.70	1.12	0.00	32.6
Line 4 Section 4									D0017	D0020
000	G	-9.52	-1.18	0.3	0.4	0.0	0.00	0.00	5.40	60.9
		0.00	0.00	0.0	0.0	0.1	576.70	1.12	0.00	32.6
001	G	-10.35	-1.41	0.4	0.4	0.0	0.00	0.00	4.71	61.0
		0.00	0.00	0.0	0.0	0.1	581.59	1.75	0.00	32.9
002	G	-11.21	-1.65	0.4	0.5	0.0	0.00	0.00	3.67	61.1
		0.00	0.00	0.0	0.0	0.2	586.90	2.51	0.00	33.2
003	G	-12.08	-1.91	0.4	0.6	0.0	0.00	0.00	2.24	61.2
		0.00	0.00	0.0	0.0	0.2	592.63	3.38	0.00	33.5
004	G	-12.98	-2.18	0.4	0.7	0.0	0.00	0.00	0.34	61.3
		0.00	0.00	0.0	0.0	0.2	598.81	4.39	0.00	33.9
000	B	-12.98	2.18	0.4	-0.7	0.0	0.00	0.00	-0.34	74.8
		0.00	0.00	0.0	0.0	-0.2	598.81	-4.39	0.00	33.9
001	B	-10.13	2.47	0.3	-0.7	0.0	0.00	0.00	0.31	74.7
		0.00	0.00	0.0	0.0	-0.2	600.08	-3.63	0.00	34.0
002	B	-6.91	2.71	0.2	-0.8	0.0	0.00	0.00	0.86	74.6
		0.00	0.00	0.0	0.0	-0.2	600.95	-3.08	0.00	34.0
003	B	-3.43	2.88	0.1	-0.9	0.0	0.00	0.00	1.33	74.6
		0.00	0.00	0.0	0.0	-0.1	601.36	-2.66	0.00	34.0
004	B	0.24	2.97	0.0	-0.9	0.0	0.00	0.00	1.73	74.6
		0.00	0.00	0.0	0.0	-0.1	601.24	-2.28	0.00	34.0
005	B	3.98	2.99	-0.1	-0.9	0.0	0.00	0.00	2.07	74.7
		0.00	0.00	0.0	0.0	-0.1	600.57	-1.86	0.00	34.0
005	B	3.98	2.99	-0.1	-0.9	0.0	0.00	0.00	2.07	74.7
		0.00	0.00	0.0	0.0	-0.1	600.57	-1.86	0.00	34.0
006	B	7.68	2.92	-0.3	-0.9	0.0	0.00	0.00	2.33	74.7
		0.00	0.00	0.0	0.0	0.0	599.38	-1.28	0.00	33.9
007	B	11.23	2.76	-0.4	-0.8	0.0	0.00	0.00	2.47	74.8
		0.00	0.00	0.0	0.0	0.0	597.70	-0.47	0.00	33.8
008	B	14.52	2.52	-0.5	-0.8	0.0	0.00	0.00	2.46	74.9
		0.00	0.00	0.0	0.0	0.0	595.61	0.67	0.00	33.7
009	B	17.44	2.21	-0.6	-0.7	0.0	0.00	0.00	2.23	75.1
		0.00	0.00	0.0	0.0	0.1	593.22	2.20	0.00	33.6
010	B	19.88	1.83	-0.7	-0.5	0.0	0.00	0.00	1.71	75.2
		0.00	0.00	0.0	0.0	0.1	590.67	4.17	0.00	33.4
Line 4 Section 5									D0020	NN0006
000	G	19.88	-1.83	-0.7	0.5	0.0	0.00	0.00	-1.71	61.1
		0.00	0.00	0.0	0.0	-0.1	590.67	-4.17	0.00	33.4
001	G	19.02	-1.63	-0.6	0.5	0.0	0.00	-0.01	0.12	61.0
		0.00	0.00	0.0	0.0	-0.1	581.09	-3.32	0.00	32.9
002	G	18.20	-1.43	-0.6	0.4	0.0	0.00	-0.01	1.56	61.0
		0.00	0.00	0.0	0.0	-0.1	571.92	-2.57	-0.01	32.4
003	G	17.41	-1.23	-0.6	0.4	0.0	-0.01	-0.01	2.65	60.9
		0.00	0.00	0.0	0.0	-0.1	563.16	-1.91	-0.01	31.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	16.66	-1.05	-0.6	0.3	0.0	-0.01	-0.01	3.44	60.9
		0.00	0.00	0.0	0.0	-0.1	554.77	-1.35	-0.01	31.4
Line 4 Section 6									NN0006	D0021
000	G	16.66	-1.08	-0.6	0.3	0.0	-0.01	-0.01	3.44	60.9
		0.00	0.00	0.0	0.0	-0.1	554.77	-1.35	-0.01	31.4
001	G	15.92	-0.90	-0.5	0.3	0.0	-0.01	-0.02	3.98	60.9
		0.00	0.00	0.0	0.0	-0.1	546.63	-0.86	0.00	30.9
002	G	15.22	-0.73	-0.5	0.2	0.0	-0.01	-0.02	4.30	60.8
		0.00	0.00	0.0	0.0	-0.1	538.84	-0.45	0.00	30.5
003	G	14.55	-0.59	-0.5	0.2	0.0	-0.01	-0.02	4.43	60.8
		0.00	0.00	0.0	0.0	-0.1	531.40	-0.12	0.00	30.1
004	G	13.91	-0.45	-0.5	0.1	0.0	-0.01	-0.02	4.42	60.8
		0.00	0.00	0.0	0.0	-0.1	524.28	0.14	0.00	29.7
005	G	13.30	-0.34	-0.5	0.1	0.0	-0.02	-0.02	4.29	60.7
		0.00	0.00	0.0	0.0	-0.1	517.48	0.34	0.00	29.3
006	G	12.71	-0.24	-0.4	0.1	0.0	-0.02	-0.02	4.07	60.7
		0.00	0.01	0.0	0.0	-0.1	510.97	0.49	0.00	28.9
Line 4 Section 7									D0021	D0022
000	G	12.71	-0.30	-0.4	0.1	0.0	-0.02	-0.02	4.07	60.8
		0.00	0.01	0.0	0.0	-0.1	510.97	0.49	0.00	28.9
001	G	12.15	-0.20	-0.4	0.0	0.0	-0.02	-0.02	3.79	60.7
		0.00	0.01	0.0	0.0	0.0	504.75	0.61	0.01	28.6
002	G	11.62	-0.11	-0.4	0.0	0.0	-0.02	-0.01	3.46	60.7
		0.01	0.01	0.0	0.0	0.0	498.80	0.69	0.01	28.2
003	G	11.10	-0.04	-0.4	0.0	0.0	-0.03	0.00	3.11	60.7
		0.01	0.01	0.0	0.0	0.0	493.12	0.72	0.02	27.9
004	G	10.61	0.02	-0.4	0.0	0.0	-0.03	0.01	2.74	60.7
		0.01	0.01	0.0	0.0	0.0	487.68	0.73	0.03	27.6
005	G	10.14	0.06	-0.3	0.0	0.0	-0.03	0.02	2.38	60.8
		0.01	0.02	0.0	0.0	0.0	482.49	0.71	0.03	27.3
006	G	9.69	0.09	-0.3	0.0	0.0	-0.04	0.04	2.03	60.8
		0.01	0.02	0.0	0.0	0.0	477.52	0.67	0.04	27.0
007	G	9.27	0.11	-0.3	0.0	0.0	-0.04	0.06	1.70	60.8
		0.01	0.02	0.0	0.0	0.0	472.78	0.62	0.05	26.8
008	G	8.85	0.13	-0.3	0.0	0.0	-0.04	0.09	1.41	60.9
		0.01	0.02	0.0	0.0	0.0	468.24	0.56	0.06	26.5
009	G	8.46	0.13	-0.3	0.0	0.0	-0.05	0.12	1.14	60.9
		0.01	0.02	0.0	0.0	0.0	463.91	0.50	0.07	26.3
010	G	8.09	0.13	-0.3	0.0	0.0	-0.05	0.16	0.91	60.9
		0.01	0.02	0.0	0.0	0.0	459.77	0.43	0.08	26.0
011	G	7.73	0.13	-0.3	0.0	0.0	-0.06	0.20	0.71	60.9
		0.01	0.02	0.0	0.0	0.0	455.81	0.37	0.09	25.8
012	G	7.38	0.12	-0.3	0.0	0.0	-0.07	0.25	0.54	61.0
		0.01	0.02	0.0	0.0	0.0	452.03	0.30	0.10	25.6
013	G	7.05	0.11	-0.2	0.0	0.0	-0.07	0.30	0.40	61.0
		0.01	0.01	0.0	0.0	0.0	448.42	0.24	0.11	25.4
014	G	6.74	0.10	-0.2	0.0	0.0	-0.08	0.35	0.30	61.0
		0.01	0.01	0.0	0.0	0.0	444.96	0.19	0.11	25.2
015	G	6.44	0.09	-0.2	0.0	0.0	-0.09	0.41	0.21	61.0
		0.02	0.00	0.0	0.0	0.0	441.67	0.14	0.11	25.0
016	G	6.15	0.08	-0.2	0.0	0.0	-0.10	0.47	0.15	61.1
		0.02	0.00	0.0	0.0	0.0	438.52	0.10	0.11	24.8
017	G	5.87	0.06	-0.2	0.0	0.0	-0.10	0.52	0.11	61.1
		0.02	0.01	0.0	0.0	0.0	435.51	0.07	0.11	24.6
018	G	5.61	0.05	-0.2	0.0	0.0	-0.11	0.58	0.09	61.1
		0.02	0.03	0.0	0.0	0.0	432.64	0.04	0.10	24.5
019	G	5.36	0.03	-0.2	0.0	0.0	-0.13	0.62	0.08	61.1
		0.02	0.04	0.0	0.0	0.0	429.89	0.02	0.08	24.3
020	G	5.11	0.02	-0.2	0.0	0.0	-0.14	0.66	0.07	61.2
		0.03	0.06	0.0	0.0	0.0	427.27	0.01	0.06	24.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
021	G	4.88	0.00	-0.2	0.0	0.0	-0.15	0.68	0.07	61.2
		0.03	0.08	0.0	0.0	0.0	424.77	0.00	0.02	24.0
022	G	4.66	-0.02	-0.2	0.0	0.0	-0.17	0.68	0.07	61.2
		0.03	0.11	0.0	0.0	0.0	422.38	0.01	-0.03	23.9
023	G	4.45	-0.03	-0.2	0.0	0.0	-0.18	0.65	0.06	61.3
		0.03	0.14	0.0	0.0	0.0	420.10	0.02	-0.09	23.8
024	G	4.24	-0.05	-0.1	0.0	0.0	-0.20	0.59	0.05	61.3
		0.04	0.17	0.0	0.0	0.0	417.93	0.04	-0.16	23.7
025	G	4.05	-0.07	-0.1	0.0	0.0	-0.22	0.49	0.02	61.3
		0.04	0.20	0.0	0.0	0.0	415.85	0.07	-0.26	23.5
026	G	3.86	-0.09	-0.1	0.0	-0.1	-0.24	0.34	-0.03	61.3
		0.04	0.24	0.0	0.0	0.0	413.87	0.11	-0.37	23.4
027	G	3.68	-0.10	-0.1	0.0	-0.1	-0.26	0.12	-0.09	61.3
		0.05	0.27	0.0	0.0	0.0	411.99	0.16	-0.49	23.3
028	G	3.51	-0.12	-0.1	0.0	-0.1	-0.29	-0.16	-0.18	61.4
		0.05	0.31	0.0	0.0	0.0	410.19	0.21	-0.64	23.2
029	G	3.35	-0.14	-0.1	0.0	-0.1	-0.32	-0.52	-0.30	61.4
		0.06	0.35	0.0	0.0	0.0	408.47	0.28	-0.81	23.1
030	G	3.19	-0.15	-0.1	0.0	-0.1	-0.35	-0.96	-0.46	61.5
		0.06	0.39	0.0	0.0	0.0	406.83	0.35	-0.99	23.0
031	G	3.04	-0.16	-0.1	0.0	-0.1	-0.38	-1.51	-0.65	61.5
		0.07	0.42	0.0	0.0	0.0	405.28	0.42	-1.19	22.9
032	G	2.89	-0.17	-0.1	0.0	-0.1	-0.42	-2.16	-0.88	61.6
		0.08	0.44	0.0	0.0	0.0	403.79	0.51	-1.40	22.9
033	G	2.75	-0.18	-0.1	0.0	-0.1	-0.46	-2.91	-1.16	61.7
		0.09	0.45	0.0	0.0	0.0	402.38	0.59	-1.63	22.8
034	G	2.62	-0.17	-0.1	0.0	-0.1	-0.51	-3.78	-1.48	61.8
		0.09	0.45	0.0	0.0	0.0	401.04	0.68	-1.85	22.7
035	G	2.49	-0.17	-0.1	0.0	-0.1	-0.56	-4.77	-1.84	61.8
		0.10	0.43	0.0	0.0	0.0	399.76	0.77	-2.07	22.6
036	G	2.37	-0.15	-0.1	0.0	-0.1	-0.61	-5.86	-2.25	61.9
		0.11	0.39	0.0	0.0	0.0	398.54	0.85	-2.28	22.6
037	G	2.25	-0.12	-0.1	0.0	-0.1	-0.67	-7.05	-2.69	62.0
		0.12	0.32	0.0	0.0	0.0	397.39	0.91	-2.45	22.5
038	G	2.13	-0.08	-0.1	0.0	0.0	-0.73	-8.31	-3.16	62.1
		0.14	0.21	0.0	-0.1	0.0	396.29	0.97	-2.59	22.4
039	G	2.02	-0.03	-0.1	0.0	0.0	-0.81	-9.64	-3.66	62.2
		0.15	0.07	0.0	-0.1	0.0	395.25	0.99	-2.66	22.4
Line 4	Section 8								D0022 D0023	
000	G	0.15	-0.01	-0.1	0.0	0.0	-0.81	-9.64	-3.66	62.2
		0.01	0.00	0.0	-0.1	0.0	395.25	0.99	-2.66	22.4
001	G	0.15	-0.01	-0.1	0.0	0.0	-0.81	-9.90	-3.75	62.2
		0.01	0.00	0.0	-0.1	0.0	395.24	0.99	-2.66	22.4
Line 4	Section 9								D0023 D0025	
000	G	0.00	0.00	-0.1	0.0	0.0	-0.81	-9.90	-3.75	39.0
		0.00	0.00	0.0	-0.1	0.0	395.24	0.99	-2.66	-
001	G	0.00	0.00	-0.1	0.0	0.0	-0.81	-10.04	-3.80	39.1
		0.00	0.00	0.0	-0.1	0.0	395.24	0.99	-2.94	-
002	G	0.00	0.00	-0.1	0.0	0.0	-0.81	-10.20	-3.85	39.1
		0.00	0.00	0.0	-0.1	0.0	395.24	0.99	-3.22	-
Line 4	Section 10								D0025 TG01	
000	G	0.00	0.00	-0.1	0.0	0.0	-0.81	-10.20	-3.85	39.1
		0.00	0.00	0.0	-0.1	0.0	386.51	-4.76	17.65	-
001	G	0.00	0.00	-0.1	-0.1	0.1	-0.81	8.80	2.70	38.6
		0.00	0.00	0.0	-0.1	0.0	386.51	-4.76	9.93	-
002	T	0.00	0.00	-0.1	-0.1	0.2	-0.81	17.16	9.25	0.0
		0.00	0.00	0.0	0.0	0.0	386.51	-4.76	2.21	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 11									TG01 D0030	
000	T	0.00	0.00	-0.1	-0.1	0.2	0.81	17.17	9.28	0.0
		0.00	0.00	0.0	0.0	0.0	386.50	4.78	-2.22	-
001	G	0.00	0.00	0.0	-0.1	0.1	0.81	8.80	2.69	38.6
		0.00	0.00	0.0	0.1	0.0	386.50	4.78	-9.93	-
002	G	0.00	0.00	0.0	0.0	0.0	0.81	-10.20	-3.89	39.1
		0.00	0.00	0.0	0.1	0.0	386.50	4.78	-17.65	-
Line 4 Section 12									D0030 D0035	
000	G	0.00	0.00	0.0	0.0	0.0	0.81	-10.20	-3.89	39.1
		0.00	0.00	0.0	0.1	0.0	381.29	-1.02	3.22	-
001	G	0.00	0.00	0.0	0.0	0.0	0.81	-10.04	-3.84	39.1
		0.00	0.00	0.0	0.1	0.0	381.29	-1.02	2.94	-
002	G	0.00	0.00	0.0	0.0	0.0	0.81	-9.90	-3.79	39.0
		0.00	0.00	0.0	0.1	0.0	381.29	-1.02	2.66	-
Line 4 Section 13									D0035 D0037	
000	G	0.09	-0.01	0.0	0.0	0.0	0.81	-9.90	-3.79	62.4
		0.01	0.00	0.0	0.1	0.0	381.29	-1.02	2.66	21.6
001	G	0.09	-0.01	0.0	0.0	0.0	0.81	-9.64	-3.69	62.4
		0.01	0.00	0.0	0.1	0.0	381.28	-1.02	2.66	21.6
Line 4 Section 14									D0037 NN0009	
000	G	1.16	-0.03	0.0	0.0	0.0	0.81	-9.64	-3.69	62.4
		0.15	0.07	0.0	0.1	0.0	381.28	-1.02	2.66	21.6
001	G	1.11	-0.08	0.0	0.0	0.0	0.73	-8.32	-3.18	62.4
		0.14	0.21	0.0	0.1	0.0	380.71	-0.99	2.59	21.5
002	G	1.06	-0.12	0.0	0.0	-0.1	0.67	-7.05	-2.70	62.3
		0.12	0.32	0.0	0.0	0.0	380.17	-0.94	2.45	21.5
003	G	1.01	-0.15	0.0	0.0	-0.1	0.61	-5.86	-2.24	62.2
		0.11	0.39	0.0	0.0	0.0	379.66	-0.87	2.28	21.5
004	G	0.97	-0.16	0.0	0.0	-0.1	0.56	-4.77	-1.83	62.1
		0.10	0.43	0.0	0.0	0.0	379.16	-0.79	2.07	21.5
005	G	0.92	-0.17	0.0	0.0	-0.1	0.51	-3.79	-1.45	62.0
		0.09	0.45	0.0	0.0	0.0	378.69	-0.71	1.85	21.4
006	G	0.88	-0.17	0.0	0.0	-0.1	0.46	-2.92	-1.12	62.0
		0.09	0.45	0.0	0.0	0.0	378.24	-0.62	1.63	21.4
007	G	0.84	-0.17	0.0	0.0	-0.1	0.42	-2.16	-0.83	61.9
		0.08	0.44	0.0	0.0	0.0	377.80	-0.54	1.40	21.4
008	G	0.81	-0.16	0.0	0.0	-0.1	0.38	-1.51	-0.58	61.9
		0.07	0.42	0.0	0.0	0.0	377.39	-0.46	1.19	21.4
009	G	0.77	-0.15	0.0	0.0	-0.1	0.35	-0.97	-0.37	61.8
		0.06	0.39	0.0	0.0	0.0	377.00	-0.38	0.99	21.3
010	G	0.74	-0.13	0.0	0.0	-0.1	0.32	-0.52	-0.20	61.8
		0.06	0.35	0.0	0.0	0.0	376.62	-0.31	0.81	21.3
011	G	0.71	-0.12	0.0	0.0	-0.1	0.29	-0.16	-0.06	61.8
		0.05	0.31	0.0	0.0	0.0	376.26	-0.25	0.64	21.3
012	G	0.67	-0.11	0.0	0.0	-0.1	0.27	0.12	0.05	61.8
		0.05	0.27	0.0	0.0	0.0	375.91	-0.19	0.49	21.3
013	G	0.65	-0.09	0.0	0.0	-0.1	0.24	0.34	0.13	61.8
		0.04	0.24	0.0	0.0	0.0	375.58	-0.14	0.37	21.3
014	G	0.62	-0.08	0.0	0.0	0.0	0.22	0.49	0.19	61.8
		0.04	0.20	0.0	0.0	0.0	375.27	-0.10	0.26	21.2
015	G	0.59	-0.06	0.0	0.0	0.0	0.20	0.59	0.23	61.8
		0.04	0.17	0.0	0.0	0.0	374.96	-0.06	0.16	21.2
016	G	0.56	-0.05	0.0	0.0	0.0	0.18	0.65	0.25	61.8
		0.03	0.14	0.0	0.0	0.0	374.68	-0.03	0.09	21.2
017	G	0.54	-0.04	0.0	0.0	0.0	0.17	0.68	0.26	61.8
		0.03	0.11	0.0	0.0	0.0	374.40	-0.01	0.03	21.2
018	G	0.52	-0.03	0.0	0.0	0.0	0.15	0.68	0.26	61.8
		0.03	0.08	0.0	0.0	0.0	374.14	0.01	-0.02	21.2
019	G	0.49	-0.02	0.0	0.0	0.0	0.14	0.66	0.25	61.8
		0.03	0.06	0.0	0.0	0.0	373.88	0.02	-0.06	21.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
020	G	0.47	-0.02	0.0	0.0	0.0	0.13	0.63	0.24	61.8
		0.02	0.04	0.0	0.0	0.0	373.64	0.03	-0.08	21.1
021	G	0.45	-0.01	0.0	0.0	0.0	0.12	0.58	0.22	61.8
		0.02	0.03	0.0	0.0	0.0	373.41	0.04	-0.10	21.1
022	G	0.43	-0.01	0.0	0.0	0.0	0.11	0.53	0.20	61.8
		0.02	0.01	0.0	0.0	0.0	373.19	0.04	-0.11	21.1
023	G	0.41	0.00	0.0	0.0	0.0	0.10	0.47	0.18	61.8
		0.02	0.00	0.0	0.0	0.0	372.98	0.04	-0.11	21.1
024	G	0.39	0.00	0.0	0.0	0.0	0.09	0.41	0.16	61.8
		0.02	0.00	0.0	0.0	0.0	372.78	0.04	-0.11	21.1
025	G	0.38	0.00	0.0	0.0	0.0	0.08	0.35	0.14	61.8
		0.01	0.01	0.0	0.0	0.0	372.59	0.04	-0.11	21.1
026	G	0.36	0.01	0.0	0.0	0.0	0.07	0.30	0.11	61.8
		0.01	0.01	0.0	0.0	0.0	372.40	0.04	-0.11	21.1
027	G	0.34	0.01	0.0	0.0	0.0	0.07	0.25	0.10	61.8
		0.01	0.02	0.0	0.0	0.0	372.23	0.04	-0.10	21.1
028	G	0.33	0.01	0.0	0.0	0.0	0.06	0.20	0.08	61.7
		0.01	0.02	0.0	0.0	0.0	372.06	0.03	-0.09	21.1
029	G	0.31	0.01	0.0	0.0	0.0	0.05	0.16	0.06	61.7
		0.01	0.02	0.0	0.0	0.0	371.90	0.03	-0.08	21.0
030	G	0.30	0.01	0.0	0.0	0.0	0.05	0.12	0.05	61.7
		0.01	0.02	0.0	0.0	0.0	371.74	0.03	-0.07	21.0
031	G	0.29	0.01	0.0	0.0	0.0	0.05	0.09	0.03	61.7
		0.01	0.02	0.0	0.0	0.0	371.59	0.02	-0.06	21.0
032	G	0.28	0.01	0.0	0.0	0.0	0.04	0.06	0.02	61.7
		0.01	0.02	0.0	0.0	0.0	371.45	0.02	-0.05	21.0
033	G	0.26	0.01	0.0	0.0	0.0	0.04	0.04	0.02	61.7
		0.01	0.02	0.0	0.0	0.0	371.32	0.02	-0.04	21.0
034	G	0.25	0.01	0.0	0.0	0.0	0.03	0.02	0.01	61.7
		0.01	0.01	0.0	0.0	0.0	371.19	0.01	-0.03	21.0
035	G	0.24	0.01	0.0	0.0	0.0	0.03	0.01	0.00	61.7
		0.01	0.01	0.0	0.0	0.0	371.07	0.01	-0.03	21.0
036	G	0.23	0.00	0.0	0.0	0.0	0.03	-0.01	0.00	61.7
		0.01	0.01	0.0	0.0	0.0	370.95	0.01	-0.02	21.0
037	G	0.22	0.00	0.0	0.0	0.0	0.03	-0.02	-0.01	61.7
		0.00	0.01	0.0	0.0	0.0	370.84	0.01	-0.02	21.0
038	G	0.21	0.00	0.0	0.0	0.0	0.02	-0.02	-0.01	61.7
		0.00	0.01	0.0	0.0	0.0	370.73	0.00	-0.01	21.0
039	G	0.20	0.00	0.0	0.0	0.0	0.02	-0.03	-0.01	61.7
		0.00	0.01	0.0	0.0	0.0	370.63	0.00	-0.01	21.0
040	G	0.19	0.00	0.0	0.0	0.0	0.02	-0.03	-0.01	61.8
		0.00	0.01	0.0	0.0	0.0	370.53	0.00	0.00	21.0
041	G	0.18	0.00	0.0	0.0	0.0	0.02	-0.03	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.43	0.00	0.00	21.0
042	G	0.18	0.00	0.0	0.0	0.0	0.02	-0.03	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.34	0.00	0.00	21.0
043	G	0.17	0.00	0.0	0.0	0.0	0.02	-0.03	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.26	0.00	0.00	21.0
044	G	0.16	0.00	0.0	0.0	0.0	0.01	-0.03	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.18	0.00	0.00	21.0
045	G	0.15	0.00	0.0	0.0	0.0	0.01	-0.02	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.10	0.00	0.00	20.9
046	G	0.15	0.00	0.0	0.0	0.0	0.01	-0.02	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	370.02	0.00	0.00	20.9
047	G	0.14	0.00	0.0	0.0	0.0	0.01	-0.02	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	369.95	0.00	0.00	20.9
048	G	0.13	0.00	0.0	0.0	0.0	0.01	-0.02	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	369.88	0.00	0.00	20.9
049	G	0.13	0.00	0.0	0.0	0.0	0.01	-0.02	-0.01	61.8
		0.00	0.00	0.0	0.0	0.0	369.82	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
050	G	0.12	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.75	0.00	0.00	20.9
051	G	0.12	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.69	0.00	0.00	20.9
052	G	0.11	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.64	0.00	0.00	20.9
053	G	0.11	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.58	0.00	0.00	20.9
054	G	0.10	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.53	0.00	0.00	20.9
055	G	0.10	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.48	0.00	0.00	20.9
056	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.43	0.00	0.00	20.9
057	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.38	0.00	0.00	20.9
058	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.34	0.00	0.00	20.9
059	G	0.08	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.30	0.00	0.00	20.9
060	G	0.08	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.26	0.00	0.00	20.9
061	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.22	0.00	0.00	20.9
062	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.18	0.00	0.00	20.9
063	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.15	0.00	0.00	20.9
064	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.11	0.00	0.00	20.9
065	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.08	0.00	0.00	20.9
066	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.05	0.00	0.00	20.9
067	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	369.02	0.00	0.00	20.9
068	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.99	0.00	0.00	20.9
069	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.97	0.00	0.00	20.9
070	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.94	0.00	0.00	20.9
071	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.92	0.00	0.00	20.9
072	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.89	0.00	0.00	20.9
073	G	0.04	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.87	0.00	0.00	20.9
074	G	0.04	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.85	0.00	0.00	20.9
075	G	0.04	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.83	0.00	0.00	20.9
076	G	0.04	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.81	0.00	0.00	20.9
077	G	0.04	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.79	0.00	0.00	20.9
078	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.77	0.00	0.00	20.9
079	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.76	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
080	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.74	0.00	0.00	20.9
081	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.72	0.00	0.00	20.9
082	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.71	0.00	0.00	20.9
083	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.70	0.00	0.00	20.9
084	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.68	0.00	0.00	20.9
085	G	0.03	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.67	0.00	0.00	20.9
086	G	0.02	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.66	0.00	-0.01	20.9
087	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.64	0.00	-0.01	20.9
088	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.63	0.00	-0.01	20.9
089	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.62	0.00	-0.01	20.9
090	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.61	0.00	-0.01	20.9
091	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.60	0.00	-0.02	20.9
092	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.03	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.59	0.00	-0.02	20.9
093	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.04	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.58	0.00	-0.02	20.9
094	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.06	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.57	0.00	-0.03	20.9
095	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.07	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.57	0.00	-0.03	20.9
096	G	0.02	0.00	0.0	0.0	0.0	0.00	-0.09	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.56	0.00	-0.03	20.9
097	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.10	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.55	0.00	-0.04	20.9
098	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.12	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.54	0.00	-0.04	20.9
099	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.14	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.54	0.00	-0.04	20.9
100	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.16	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.53	0.00	-0.04	20.9
101	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.18	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.52	0.00	-0.04	20.9
102	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.52	0.00	-0.03	20.9
103	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.21	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.51	0.00	-0.03	20.9
104	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.51	0.00	-0.02	20.9
105	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.03	0.0	0.0	0.0	368.50	0.00	-0.01	20.9
106	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.04	0.0	0.0	0.0	368.49	0.00	0.01	20.9
107	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.22	0.00	61.8
		0.00	0.05	0.0	0.0	0.0	368.49	0.00	0.03	20.9
108	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.06	0.0	0.0	0.0	368.49	0.00	0.06	20.9
109	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.17	0.00	61.8
		0.00	0.07	0.0	0.0	0.0	368.48	0.00	0.09	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
110	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.11	0.00	61.8
		0.00	0.08	0.0	0.0	0.0	368.48	0.00	0.13	20.9
111	G	0.01	0.00	0.0	0.0	0.0	0.00	-0.04	0.00	61.8
		0.00	0.09	0.0	0.0	0.0	368.47	0.00	0.17	20.9
112	G	0.01	0.00	0.0	0.0	0.0	0.00	0.06	0.00	61.8
		0.00	0.11	0.0	0.0	0.0	368.47	0.00	0.22	20.9
113	G	0.01	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.9
		0.00	0.12	0.0	0.0	0.0	368.46	0.00	0.28	20.9
114	G	0.01	0.00	0.0	0.0	0.0	0.00	0.34	0.00	61.9
		0.00	0.13	0.0	0.0	0.0	368.46	0.00	0.34	20.9
115	G	0.01	0.00	0.0	0.0	0.0	0.00	0.52	0.00	61.9
		0.00	0.14	0.0	0.0	0.0	368.46	0.00	0.41	20.9
116	G	0.01	0.00	0.0	0.0	0.0	0.00	0.75	0.00	61.9
		0.00	0.15	0.0	0.0	0.0	368.45	0.00	0.48	20.9
117	G	0.01	0.00	0.0	0.0	0.0	0.00	1.01	0.00	61.9
		0.00	0.15	0.0	0.0	0.0	368.45	0.00	0.56	20.9
Line 4 Section 15									NN0009 NN0010	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	1.01	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	368.45	0.00	0.56	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	1.06	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	368.45	0.00	0.56	20.9
Line 4 Section 16									NN0010 GNA-2	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	1.06	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	0.56	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	1.08	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	1.09	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	0.00	-
Line 4 Section 17									GNA-2 NN0011	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	1.09	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	0.00	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	1.08	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	-0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	1.06	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	368.45	0.00	-0.56	-
Line 4 Section 18									NN0011 D0039	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	1.06	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	368.45	0.00	-0.56	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	1.01	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	368.45	0.00	-0.56	20.9
Line 4 Section 19									D0039 NN0026	
000	G	0.01	0.00	0.0	0.0	0.0	0.00	1.01	0.00	61.9
		0.00	0.15	0.0	0.0	0.0	368.45	0.00	-0.56	20.9
001	G	0.01	0.00	0.0	0.0	0.0	0.00	0.75	0.00	61.9
		0.00	0.15	0.0	0.0	0.0	368.45	0.00	-0.48	20.9
002	G	0.01	0.00	0.0	0.0	0.0	0.00	0.52	0.00	61.9
		0.00	0.14	0.0	0.0	0.0	368.45	0.00	-0.41	20.9
003	G	0.01	0.00	0.0	0.0	0.0	0.00	0.33	0.00	61.9
		0.00	0.13	0.0	0.0	0.0	368.44	0.00	-0.34	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.9
		0.00	0.12	0.0	0.0	0.0	368.44	0.00	-0.28	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.06	0.00	61.8
		0.00	0.11	0.0	0.0	0.0	368.44	0.00	-0.22	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.04	0.00	61.8
		0.00	0.09	0.0	0.0	0.0	368.44	0.00	-0.17	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.11	0.00	61.8
		0.00	0.08	0.0	0.0	0.0	368.43	0.00	-0.13	20.9
008	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.17	0.00	61.8
		0.00	0.07	0.0	0.0	0.0	368.43	0.00	-0.09	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
009	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.06	0.0	0.0	0.0	368.43	0.00	-0.06	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.22	0.00	61.8
		0.00	0.05	0.0	0.0	0.0	368.43	0.00	-0.03	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.04	0.0	0.0	0.0	368.43	0.00	-0.01	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.03	0.0	0.0	0.0	368.42	0.00	0.01	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.23	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.42	0.00	0.02	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.21	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.42	0.00	0.03	20.9
015	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.42	0.00	0.03	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.18	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.42	0.00	0.04	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.16	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.42	0.00	0.04	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.14	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.41	0.00	0.04	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.12	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.41	0.00	0.04	20.9
020	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.10	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.41	0.00	0.04	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.09	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.03	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.07	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.03	20.9
023	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.05	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.03	20.9
024	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.04	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.02	20.9
025	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.03	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.02	20.9
026	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.41	0.00	0.02	20.9
027	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.40	0.00	0.01	20.9
028	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.40	0.00	0.01	20.9
029	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.01	20.9
030	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.01	20.9
031	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.01	20.9
032	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
033	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
034	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
035	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
036	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
037	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
038	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
039	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
040	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.40	0.00	0.00	20.9
041	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
042	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
043	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
044	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
045	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
046	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
047	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
048	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
049	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
050	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
051	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
052	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
053	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
054	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
055	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
056	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
057	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
058	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
059	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
060	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
061	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
062	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
063	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
064	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
065	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
066	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
067	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
068	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
069	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
070	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
071	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
072	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
073	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
074	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
075	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
076	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
077	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
078	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
079	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
080	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
081	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
082	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
083	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
084	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
085	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
086	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
087	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
088	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
089	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
090	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
Line 4 Section 20									NN0026 D0040	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.39	0.00	0.00	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
023	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
024	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
025	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
026	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
027	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
028	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
029	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
030	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
031	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
032	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
033	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
034	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
035	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
036	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
037	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
038	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
039	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
040	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
041	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
042	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
043	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
044	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
045	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
046	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
047	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
048	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
049	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
050	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 21									D0040	D0041
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 22									D0041	D0042
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 23									D0042	NN0005
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 24									NN0005	KNA-2
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 25									KNA-2 D0044	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 26									D0044 D0045	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 27									D0045 D0047	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 28									D0047 D0050	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 29									D0050 D0060	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
020	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
023	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
024	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
025	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
026	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
027	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
028	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
029	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
030	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
031	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.01	20.9
032	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.01	20.9
033	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.01	20.9
034	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.01	20.9
035	G	0.00	0.00	0.0	0.0	0.0	0.00	0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.02	20.9
036	G	0.00	0.00	0.0	0.0	0.0	0.00	0.03	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.02	20.9
037	G	0.00	0.00	0.0	0.0	0.0	0.00	0.04	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.02	20.9
038	G	0.00	0.00	0.0	0.0	0.0	0.00	0.05	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.03	20.9
039	G	0.00	0.00	0.0	0.0	0.0	0.00	0.06	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.03	20.9
040	G	0.00	0.00	0.0	0.0	0.0	0.00	0.08	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.03	20.9
041	G	0.00	0.00	0.0	0.0	0.0	0.00	0.10	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.04	20.9
042	G	0.00	0.00	0.0	0.0	0.0	0.00	0.12	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.04	20.9
043	G	0.00	0.00	0.0	0.0	0.0	0.00	0.14	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.04	20.9
044	G	0.00	0.00	0.0	0.0	0.0	0.00	0.16	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.04	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
045	G	0.00	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.04	20.9
046	G	0.00	0.00	0.0	0.0	0.0	0.00	0.20	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.04	20.9
047	G	0.00	0.00	0.0	0.0	0.0	0.00	0.22	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	0.04	20.9
048	G	0.00	0.00	0.0	0.0	0.0	0.00	0.24	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.38	0.00	0.03	20.9
049	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.38	0.00	0.02	20.9
050	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.03	0.0	0.0	0.0	368.38	0.00	0.01	20.9
051	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.04	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
052	G	0.00	0.00	0.0	0.0	0.0	0.00	0.24	0.00	61.8
		0.00	0.05	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
053	G	0.00	0.00	0.0	0.0	0.0	0.00	0.22	0.00	61.8
		0.00	0.06	0.0	0.0	0.0	368.38	0.00	-0.06	20.9
054	G	0.00	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.8
		0.00	0.08	0.0	0.0	0.0	368.38	0.00	-0.10	20.9
055	G	0.00	0.00	0.0	0.0	0.0	0.00	0.12	0.00	61.8
		0.00	0.09	0.0	0.0	0.0	368.38	0.00	-0.14	20.9
056	G	0.00	0.00	0.0	0.0	0.0	0.00	0.04	0.00	61.8
		0.00	0.10	0.0	0.0	0.0	368.38	0.00	-0.19	20.9
057	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.07	0.00	61.8
		0.00	0.12	0.0	0.0	0.0	368.38	0.00	-0.24	20.9
058	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.13	0.0	0.0	0.0	368.38	0.00	-0.31	20.9
059	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.37	0.00	61.9
		0.00	0.14	0.0	0.0	0.0	368.38	0.00	-0.37	20.9
060	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.58	0.00	61.9
		0.00	0.16	0.0	0.0	0.0	368.38	0.00	-0.45	20.9
061	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.82	0.00	61.9
		0.00	0.16	0.0	0.0	0.0	368.38	0.00	-0.53	20.9
062	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.10	0.00	61.9
		0.00	0.17	0.0	0.0	0.0	368.38	0.00	-0.61	20.9
063	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.42	0.00	62.0
		0.00	0.17	0.0	0.0	0.0	368.38	0.00	-0.69	20.9
064	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.79	0.00	62.0
		0.00	0.16	0.0	0.0	0.0	368.38	0.00	-0.77	20.9
065	G	0.00	0.00	0.0	0.0	0.0	0.00	-2.19	0.00	62.0
		0.00	0.14	0.0	0.0	0.0	368.38	0.00	-0.85	20.9
066	G	0.00	0.00	0.0	0.0	0.0	0.00	-2.63	0.00	62.0
		0.00	0.12	0.0	0.0	0.0	368.38	0.00	-0.92	20.9
067	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.10	0.00	62.0
		0.00	0.08	0.0	0.0	0.0	368.38	0.00	-0.96	20.9
068	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.59	0.00	62.1
		0.00	0.03	0.0	0.0	0.0	368.38	0.00	-0.99	20.9
Line 4	Section 30								D0060 NN0004	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.59	0.00	62.0
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.99	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.69	0.00	62.1
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.99	20.9
Line 4	Section 31								NN0004 D0061	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.69	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.99	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.75	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-1.27	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.82	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-1.55	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 32									D0061	D0062
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.82	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	11.18	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	7.33	0.00	37.9
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.82	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-11.18	-
Line 4 Section 33									D0062	D0065
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.82	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	1.55	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.75	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	1.27	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.69	0.00	36.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.99	-
Line 4 Section 34									D0065	D0070
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.69	0.00	62.1
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.99	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.59	0.00	62.0
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.99	20.9
Line 4 Section 35									D0070	D0075
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.59	0.00	62.1
		0.00	0.03	0.0	0.0	0.0	368.38	0.00	0.99	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-3.10	0.00	62.0
		0.00	0.08	0.0	0.0	0.0	368.38	0.00	0.96	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-2.63	0.00	62.0
		0.00	0.12	0.0	0.0	0.0	368.38	0.00	0.91	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	-2.19	0.00	62.0
		0.00	0.14	0.0	0.0	0.0	368.38	0.00	0.85	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.78	0.00	62.0
		0.00	0.16	0.0	0.0	0.0	368.38	0.00	0.77	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.41	0.00	62.0
		0.00	0.17	0.0	0.0	0.0	368.38	0.00	0.69	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	-1.09	0.00	61.9
		0.00	0.17	0.0	0.0	0.0	368.38	0.00	0.61	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.81	0.00	61.9
		0.00	0.16	0.0	0.0	0.0	368.38	0.00	0.52	20.9
008	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.57	0.00	61.9
		0.00	0.15	0.0	0.0	0.0	368.38	0.00	0.44	20.9
009	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.36	0.00	61.9
		0.00	0.14	0.0	0.0	0.0	368.38	0.00	0.37	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.20	0.00	61.8
		0.00	0.13	0.0	0.0	0.0	368.38	0.00	0.30	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.06	0.00	61.8
		0.00	0.12	0.0	0.0	0.0	368.38	0.00	0.24	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.04	0.00	61.8
		0.00	0.10	0.0	0.0	0.0	368.38	0.00	0.18	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.12	0.00	61.8
		0.00	0.09	0.0	0.0	0.0	368.38	0.00	0.14	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.8
		0.00	0.08	0.0	0.0	0.0	368.38	0.00	0.10	20.9
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.22	0.00	61.8
		0.00	0.06	0.0	0.0	0.0	368.38	0.00	0.06	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.24	0.00	61.8
		0.00	0.05	0.0	0.0	0.0	368.38	0.00	0.03	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.04	0.0	0.0	0.0	368.38	0.00	0.01	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.03	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.38	0.00	-0.02	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.23	0.00	61.8
		0.00	0.02	0.0	0.0	0.0	368.38	0.00	-0.03	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.22	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.20	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
Line 4	Section 36								D0075 D0080	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.20	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.15	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.13	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.11	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.09	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.04	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.08	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.03	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.06	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.03	20.9
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.05	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.03	20.9
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.03	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.02	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.02	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.02	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
015	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.01	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
020	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
023	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
024	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 37							D0080	D0090	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
003	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
023	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
024	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
025	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
026	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
027	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
028	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 38							D0090	D0091	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
023	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
024	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
025	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
026	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
027	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
028	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	
029	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
031	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
032	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4	Section 39								D0091 D0092	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
023	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
024	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
025	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
026	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
027	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
028	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
029	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
030	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 40									D0092 NN0012	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	20.9
Line 4 Section 41									NN0012 GNA-1	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	0.00	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.03	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.38	0.00	-0.56	-
Line 4 Section 42									GNA-1 D0094	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.03	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.56	-
001	G	0.00	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	35.6
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	-
Line 4 Section 43									D0094 D0095	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
Line 4 Section 44									D0095 D0100	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
Line 4 Section 45									D0100 D0110	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.34	0.00	0.00	20.8
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.33	0.00	0.00	20.8
020	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
021	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
022	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
023	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
024	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
025	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
026	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
027	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.32	0.00	0.00	20.8
028	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
029	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
030	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
031	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
032	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
033	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
034	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
035	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.31	0.00	0.00	20.8
036	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 46							D0110	D0115	
000	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
001	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
002	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
003	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
004	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
005	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
006	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
007	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
008	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.30	0.00	0.00	20.8	
009	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.29	0.00	0.00	20.8	
010	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.29	0.00	0.00	20.8	
011	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.29	0.00	0.00	20.8	
012	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.29	0.00	0.00	20.8	
013	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.29	0.00	0.00	20.8	
014	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.28	0.00	0.00	20.8	
015	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.28	0.00	0.00	20.8	
016	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.28	0.00	0.00	20.8	
017	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.28	0.00	0.00	20.8	
018	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.28	0.00	0.00	20.8	
019	G	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.27	0.00	0.00	20.8	
020	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.27	0.00	0.00	20.8	
021	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.27	0.00	0.00	20.8	
022	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.27	0.00	0.00	20.8	
023	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.26	0.00	0.00	20.8	
024	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.26	0.00	0.00	20.8	
025	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.26	0.00	0.00	20.8	
026	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.25	0.00	0.00	20.8	
027	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.25	0.00	0.00	20.8	
028	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.25	0.00	0.00	20.8	
029	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8	
		0.00	0.00	0.0	0.0	0.0	368.24	0.00	0.00	20.8	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.24	0.00	0.00	20.8
031	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.24	0.00	0.00	20.8
032	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.23	0.00	0.00	20.8
033	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.23	0.00	0.00	20.8
034	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.22	0.00	0.00	20.8
035	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.22	0.00	0.00	20.8
036	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.21	0.00	0.00	20.8
037	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.21	0.00	0.00	20.8
038	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.20	0.00	0.00	20.8
039	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.20	0.00	0.00	20.8
040	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.19	0.00	0.00	20.8
041	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.19	0.00	0.00	20.8
042	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.18	0.00	0.00	20.8
043	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.17	0.00	0.00	20.8
044	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.17	0.00	0.00	20.8
045	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.16	0.00	0.00	20.8
046	G	0.01	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.15	0.00	0.00	20.8
047	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.15	0.00	0.00	20.8
048	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.14	0.00	0.00	20.8
049	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.13	0.00	0.00	20.8
050	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.12	0.00	0.00	20.8
051	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.11	0.00	0.00	20.8
052	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.11	0.00	0.00	20.8
053	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.10	0.00	0.00	20.8
054	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.09	0.00	0.00	20.8
055	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.08	0.00	0.00	20.8
056	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.07	0.00	0.00	20.8
057	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.06	0.00	0.00	20.8
058	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.04	0.00	0.00	20.8
059	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.03	0.00	0.00	20.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	0.02	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.02	0.00	0.00	20.8
061	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	368.01	0.00	0.00	20.8
062	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.99	0.00	0.00	20.8
063	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.98	0.00	0.00	20.8
064	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.97	0.00	0.00	20.8
065	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.95	0.00	0.00	20.8
066	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.94	0.00	0.00	20.8
067	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.92	0.00	0.00	20.8
068	G	0.03	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.90	0.00	0.00	20.8
069	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.89	0.00	0.00	20.8
070	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.87	0.00	0.00	20.8
071	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.85	0.00	0.00	20.8
072	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.83	0.00	0.00	20.8
073	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.81	0.00	0.00	20.8
074	G	0.04	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.79	0.00	0.00	20.8
075	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.76	0.00	0.00	20.8
076	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.74	0.00	0.00	20.8
077	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.72	0.00	0.00	20.8
078	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.69	0.00	0.00	20.8
079	G	0.05	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.67	0.00	0.00	20.8
080	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.64	0.00	0.00	20.8
081	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.61	0.00	0.00	20.8
082	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.58	0.00	0.00	20.8
083	G	0.06	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.55	0.00	0.00	20.8
084	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.52	0.00	0.00	20.8
085	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.49	0.00	0.00	20.8
086	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.45	0.00	0.00	20.8
087	G	0.07	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.42	0.00	0.00	20.8
088	G	0.08	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.38	0.00	0.00	20.8
089	G	0.08	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.34	0.00	0.00	20.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
090	G	0.08	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.30	0.00	0.00	20.8
091	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.26	0.00	0.00	20.8
092	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.21	0.00	0.00	20.8
093	G	0.09	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.17	0.00	0.00	20.8
094	G	0.10	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.12	0.00	0.00	20.8
095	G	0.10	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.07	0.00	0.00	20.8
096	G	0.11	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	367.02	0.00	0.00	20.8
097	G	0.11	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.96	0.00	0.00	20.8
098	G	0.12	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.90	0.00	0.00	20.8
099	G	0.12	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.84	0.00	0.00	20.8
100	G	0.13	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.78	0.00	0.00	20.8
101	G	0.13	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.72	0.00	0.00	20.8
102	G	0.14	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.65	0.00	0.00	20.8
103	G	0.14	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.58	0.00	0.00	20.7
104	G	0.15	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.51	0.00	0.00	20.7
105	G	0.16	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.43	0.00	0.00	20.7
106	G	0.16	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.35	0.00	0.00	20.7
107	G	0.17	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.27	0.00	0.00	20.7
108	G	0.18	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.18	0.00	0.00	20.7
109	G	0.19	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	366.09	0.00	0.00	20.7
110	G	0.19	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.99	0.00	0.00	20.7
111	G	0.20	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.89	0.00	0.00	20.7
112	G	0.21	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.79	0.00	0.00	20.7
113	G	0.22	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.68	0.00	0.00	20.7
114	G	0.23	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.57	0.00	0.00	20.7
115	G	0.24	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.45	0.00	0.00	20.7
116	G	0.25	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.33	0.00	0.00	20.7
117	G	0.26	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.20	0.00	0.00	20.7
118	G	0.28	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	365.06	0.00	0.00	20.7
119	G	0.29	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.92	0.00	0.00	20.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
120	G	0.30	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.77	0.00	0.00	20.6
121	G	0.32	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.62	0.00	0.00	20.6
122	G	0.33	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.46	0.00	0.00	20.6
123	G	0.34	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.29	0.00	0.00	20.6
124	G	0.36	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	364.11	0.00	0.00	20.6
125	G	0.38	0.00	0.0	0.0	0.0	0.00	-0.01	0.00	61.8
		0.00	0.00	0.0	0.0	0.0	363.93	0.00	0.01	20.6
126	G	0.39	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	363.74	0.00	0.01	20.6
127	G	0.41	0.00	0.0	0.0	0.0	0.00	0.00	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	363.54	0.00	0.01	20.6
128	G	0.43	0.00	0.0	0.0	0.0	0.00	0.01	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	363.33	0.00	0.01	20.6
129	G	0.45	0.00	0.0	0.0	0.0	0.00	0.02	0.00	61.8
		0.00	0.01	0.0	0.0	0.0	363.10	0.00	0.02	20.6
130	G	0.47	0.00	0.0	0.0	0.0	0.00	0.03	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	362.87	0.00	0.02	20.5
131	G	0.49	0.00	0.0	0.0	0.0	0.00	0.04	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	362.63	0.00	0.03	20.5
132	G	0.52	0.00	0.0	0.0	0.0	0.00	0.05	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	362.38	0.00	0.03	20.5
133	G	0.54	0.00	0.0	0.0	0.0	0.00	0.07	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	362.12	0.00	0.03	20.5
134	G	0.57	0.00	0.0	0.0	0.0	0.00	0.09	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	361.84	0.00	0.04	20.5
135	G	0.59	0.00	0.0	0.0	0.0	0.00	0.11	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	361.55	0.00	0.04	20.5
136	G	0.62	0.00	0.0	0.0	0.0	0.00	0.13	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	361.25	0.00	0.04	20.4
137	G	0.65	0.00	0.0	0.0	0.0	0.00	0.15	0.00	61.9
		0.00	0.00	0.0	0.0	0.0	360.93	0.00	0.05	20.4
138	G	0.68	0.00	0.0	0.0	0.0	0.00	0.18	0.00	61.9
		0.00	0.00	0.0	0.0	0.0	360.60	0.00	0.05	20.4
139	G	0.71	0.00	0.0	0.0	0.0	0.00	0.20	0.00	61.9
		0.00	0.00	0.0	0.0	0.0	360.25	0.00	0.05	20.4
140	G	0.75	0.00	0.0	0.0	0.0	0.00	0.22	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	359.88	0.00	0.05	20.4
141	G	0.78	0.00	0.0	0.0	0.0	0.00	0.25	0.00	61.9
		0.00	0.01	0.0	0.0	0.0	359.50	0.00	0.04	20.3
142	G	0.82	0.00	0.0	0.0	0.0	0.00	0.27	0.00	61.9
		0.00	0.02	0.0	0.0	0.0	359.10	0.00	0.03	20.3
143	G	0.86	0.00	0.0	0.0	0.0	0.00	0.28	0.00	61.9
		0.00	0.03	0.0	0.0	0.0	358.68	0.00	0.02	20.3
144	G	0.90	0.00	0.0	0.0	0.0	0.00	0.29	0.00	61.9
		0.00	0.04	0.0	0.0	0.0	358.24	0.00	0.01	20.3
145	G	0.94	0.00	0.0	0.0	0.0	0.00	0.29	0.00	62.0
		0.00	0.05	0.0	0.0	0.0	357.78	0.00	-0.01	20.2
146	G	0.99	0.00	0.0	0.0	0.0	0.00	0.28	0.00	62.0
		0.00	0.06	0.0	0.0	0.0	357.30	0.00	-0.04	20.2
147	G	1.03	0.00	0.0	0.0	0.0	0.00	0.25	0.00	62.0
		0.00	0.07	0.0	0.0	0.0	356.80	0.00	-0.07	20.2
148	G	1.08	0.00	0.0	0.0	0.0	0.00	0.21	0.00	62.0
		0.00	0.09	0.0	0.0	0.0	356.27	0.00	-0.11	20.2
149	G	1.14	0.00	0.0	0.0	0.0	0.00	0.14	0.00	62.0
		0.00	0.10	0.0	0.0	0.0	355.71	0.00	-0.16	20.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
150	G	1.19	0.00	0.0	0.0	0.0	0.00	0.05	0.00	62.0
		0.00	0.12	0.0	0.0	0.0	355.13	0.00	-0.21	20.1
151	G	1.25	0.00	0.0	0.0	0.0	0.00	-0.07	0.00	62.0
		0.00	0.13	0.0	0.0	0.0	354.52	0.00	-0.27	20.1
152	G	1.31	0.00	0.0	0.0	0.0	0.00	-0.22	0.00	62.0
		0.00	0.15	0.0	0.0	0.0	353.88	0.00	-0.34	20.0
153	G	1.37	0.00	0.0	0.0	0.0	0.01	-0.41	0.00	62.1
		0.00	0.16	0.0	0.0	0.0	353.21	0.00	-0.42	20.0
154	G	1.44	0.00	-0.1	0.0	0.0	0.01	-0.65	0.00	62.1
		0.00	0.18	0.0	0.0	0.0	352.51	0.00	-0.51	20.0
155	G	1.51	0.00	-0.1	0.0	0.0	0.01	-0.92	0.00	62.1
		0.00	0.19	0.0	0.0	0.0	351.77	0.00	-0.60	19.9
156	G	1.59	0.00	-0.1	0.0	0.0	0.01	-1.24	0.00	62.2
		0.00	0.19	0.0	0.0	0.0	350.99	0.00	-0.69	19.9
157	G	1.66	0.00	-0.1	0.0	0.0	0.01	-1.62	0.00	62.2
		0.00	0.19	0.0	0.0	0.0	350.18	0.00	-0.79	19.8
158	G	1.74	0.00	-0.1	0.0	0.0	0.01	-2.03	0.00	62.3
		0.00	0.18	0.0	0.0	0.0	349.33	0.00	-0.88	19.8
159	G	1.83	0.00	-0.1	0.0	0.0	0.01	-2.50	0.00	62.3
		0.00	0.17	0.0	0.0	0.0	348.44	0.00	-0.97	19.7
160	G	1.92	0.00	-0.1	0.0	0.0	0.01	-3.00	0.00	62.4
		0.00	0.14	0.0	0.0	0.0	347.50	0.00	-1.05	19.7
161	G	2.02	0.00	-0.1	0.0	0.0	0.01	-3.54	0.00	62.4
		0.00	0.09	0.0	0.0	0.0	346.52	0.00	-1.10	19.6
162	G	2.12	0.00	-0.1	0.0	0.0	0.01	-4.10	0.00	62.4
		0.00	0.03	0.0	0.0	0.0	345.48	0.00	-1.13	19.6
Line 4 Section 47										
									D0115 D0120	
000	G	0.16	0.00	-0.1	0.0	0.0	0.01	-4.10	0.00	62.4
		0.00	0.00	0.0	0.0	0.0	345.48	0.00	-1.13	19.6
001	G	0.16	0.00	-0.1	0.0	0.0	0.01	-4.22	0.00	62.4
		0.00	0.00	0.0	0.0	0.0	345.47	0.00	-1.13	19.6
Line 4 Section 48										
									D0120 D0125	
000	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.22	0.00	36.9
		0.00	0.00	0.0	0.0	0.0	345.47	0.00	-1.13	-
001	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.28	0.00	36.9
		0.00	0.00	0.0	0.0	0.0	345.47	0.00	-1.41	-
002	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.36	0.00	37.0
		0.00	0.00	0.0	0.0	0.0	345.47	0.00	-1.69	-
Line 4 Section 49										
									D0125 D0130	
000	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.36	0.00	37.0
		0.00	0.00	0.0	0.0	0.0	340.79	0.00	11.80	-
001	G	0.00	0.00	-0.1	0.0	0.1	0.01	8.06	0.00	38.2
		0.00	0.00	0.0	0.0	0.0	340.79	0.00	0.00	-
002	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.35	0.00	37.0
		0.00	0.00	0.0	0.0	0.0	340.79	0.00	-11.79	-
Line 4 Section 50										
									D0130 D0132	
000	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.35	0.00	37.0
		0.00	0.00	0.0	0.0	0.0	334.85	0.00	1.69	-
001	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.28	0.00	36.9
		0.00	0.00	0.0	0.0	0.0	334.85	0.00	1.41	-
002	G	0.00	0.00	-0.1	0.0	0.0	0.01	-4.21	0.00	36.9
		0.00	0.00	0.0	0.0	0.0	334.85	0.00	1.13	-
Line 4 Section 51										
									D0132 D0133	
000	G	2.30	0.00	-0.1	0.0	0.0	0.01	-4.21	0.00	62.6
		0.00	0.02	0.0	0.0	0.0	334.85	0.00	1.13	19.0
001	G	2.32	0.00	-0.1	0.0	0.0	0.01	-4.10	0.00	62.6
		0.00	0.03	0.0	0.0	0.0	334.62	0.00	1.13	18.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 52							D0133	D0135	
000	G	2.32	0.00	-0.1	0.0	0.0	0.01	-4.10	0.00	62.6	
		0.00	0.03	0.0	0.0	0.0	334.62	0.00	1.13	18.9	
001	G	2.44	0.00	-0.1	0.0	0.0	0.01	-3.54	0.00	62.6	
		0.00	0.09	0.0	0.0	0.0	333.43	0.00	1.10	18.9	
002	G	2.56	0.00	-0.1	0.0	0.0	0.02	-3.00	0.00	62.6	
		0.00	0.13	0.0	0.0	0.0	332.18	0.00	1.04	18.8	
003	G	2.68	0.00	-0.1	0.0	0.0	0.02	-2.50	0.00	62.6	
		0.00	0.16	0.0	0.0	0.0	330.87	0.00	0.97	18.7	
004	G	2.81	0.00	-0.1	0.0	0.0	0.02	-2.04	0.00	62.6	
		0.00	0.18	0.0	0.0	0.0	329.50	0.00	0.88	18.6	
005	G	2.95	0.00	-0.1	0.0	0.0	0.02	-1.62	0.00	62.5	
		0.00	0.19	0.0	0.0	0.0	328.06	0.00	0.79	18.6	
006	G	3.09	0.00	-0.1	0.0	0.0	0.02	-1.25	0.00	62.5	
		0.00	0.19	0.0	0.0	0.0	326.56	0.00	0.69	18.5	
007	G	3.24	0.00	-0.1	0.0	0.0	0.03	-0.93	0.00	62.5	
		0.00	0.19	0.0	0.0	0.0	324.98	0.00	0.60	18.4	
008	G	3.39	0.00	-0.1	0.0	0.0	0.03	-0.65	0.00	62.5	
		-0.01	0.18	0.0	0.0	0.0	323.32	0.00	0.51	18.3	
009	G	3.55	0.00	-0.2	0.0	0.0	0.03	-0.42	0.00	62.5	
		-0.01	0.16	0.0	0.0	0.0	321.59	0.00	0.42	18.2	
010	G	3.72	0.00	-0.2	0.0	0.0	0.03	-0.23	0.00	62.5	
		-0.01	0.15	0.0	0.0	0.0	319.77	0.00	0.34	18.1	
011	G	3.90	0.00	-0.2	0.0	0.0	0.04	-0.08	0.00	62.5	
		-0.01	0.13	0.0	0.0	0.0	317.87	0.00	0.27	18.0	
012	G	4.08	0.00	-0.2	0.0	0.0	0.04	0.04	0.00	62.6	
		-0.01	0.12	0.0	0.0	0.0	315.88	0.00	0.21	17.9	
013	G	4.27	0.00	-0.2	0.0	0.0	0.04	0.13	0.00	62.6	
		-0.01	0.10	0.0	0.0	0.0	313.80	0.00	0.16	17.8	
014	G	4.47	0.00	-0.2	0.0	0.0	0.05	0.20	0.00	62.6	
		-0.01	0.09	0.0	0.0	0.0	311.62	0.00	0.11	17.6	
015	G	4.68	0.00	-0.2	0.0	0.0	0.05	0.24	0.00	62.7	
		-0.01	0.07	0.0	0.0	0.0	309.33	0.00	0.07	17.5	
016	G	4.90	0.00	-0.2	0.0	0.0	0.06	0.26	0.00	62.7	
		-0.01	0.06	0.0	0.0	0.0	306.94	0.00	0.04	17.4	
017	G	5.13	0.00	-0.2	0.0	0.0	0.06	0.27	0.00	62.7	
		-0.01	0.05	0.0	0.0	0.0	304.44	0.00	0.01	17.2	
018	G	5.37	0.00	-0.2	0.0	0.0	0.07	0.27	0.00	62.8	
		-0.01	0.04	0.0	0.0	0.0	301.83	0.00	-0.01	17.1	
019	G	5.61	0.00	-0.2	0.0	0.0	0.07	0.26	0.00	62.8	
		-0.01	0.03	0.0	0.0	0.0	299.09	0.00	-0.03	16.9	
020	G	5.88	0.00	-0.2	0.0	0.0	0.08	0.25	0.00	62.8	
		-0.01	0.02	0.0	0.0	0.0	296.22	0.00	-0.04	16.8	
021	G	6.15	0.00	-0.3	0.0	0.0	0.09	0.23	0.00	62.9	
		-0.01	0.01	0.0	0.0	0.0	293.22	0.00	-0.04	16.6	
022	G	6.43	0.00	-0.3	0.0	0.0	0.09	0.20	0.00	62.9	
		-0.02	0.00	0.0	0.0	0.0	290.08	0.00	-0.05	16.4	
023	G	6.73	0.00	-0.3	0.0	0.0	0.10	0.18	0.00	63.0	
		-0.02	0.00	0.0	0.0	0.0	286.80	0.00	-0.05	16.2	
024	G	7.04	0.00	-0.3	0.0	0.0	0.11	0.16	0.00	63.0	
		-0.02	0.01	0.0	0.0	0.0	283.36	0.00	-0.05	16.0	
025	G	7.37	0.00	-0.3	0.0	0.0	0.12	0.13	0.00	63.1	
		-0.02	0.01	0.0	0.0	0.0	279.77	0.00	-0.04	15.8	
026	G	7.71	0.00	-0.3	0.0	0.0	0.13	0.11	0.00	63.2	
		-0.02	0.01	0.0	0.0	0.0	276.00	0.00	-0.04	15.6	
027	G	8.07	0.00	-0.3	0.0	0.0	0.15	0.10	0.00	63.2	
		-0.03	0.01	0.0	0.0	0.0	272.06	0.00	-0.03	15.4	
028	G	8.45	0.00	-0.3	0.0	0.0	0.16	0.08	0.00	63.3	
		-0.03	0.02	0.0	0.0	0.0	267.94	0.00	-0.02	15.2	
029	G	8.84	0.00	-0.4	0.0	0.0	0.17	0.07	0.00	63.4	
		-0.03	0.02	0.0	0.0	0.0	263.63	0.00	-0.01	14.9	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	9.25	0.00	-0.4	0.0	0.0	0.19	0.07	0.00	63.5
		-0.03	0.02	0.0	0.0	0.0	259.12	0.00	-0.01	14.7
031	G	9.68	0.00	-0.4	0.0	0.0	0.21	0.07	0.00	63.6
		-0.04	0.02	0.0	0.0	0.0	254.39	0.00	0.00	14.4
032	G	10.14	0.00	-0.4	0.0	0.0	0.22	0.07	0.01	63.6
		-0.04	0.02	0.0	0.0	0.0	249.45	0.00	0.01	14.1
033	G	10.61	0.00	-0.4	0.0	0.0	0.25	0.08	0.01	63.7
		-0.04	0.02	0.0	0.0	0.0	244.28	-0.01	0.02	13.8
034	G	11.10	0.00	-0.4	0.0	0.0	0.27	0.10	0.01	63.8
		-0.05	0.02	0.0	0.0	0.0	238.86	-0.01	0.03	13.5
035	G	11.62	0.00	-0.4	0.0	0.0	0.29	0.12	0.02	64.0
		-0.05	0.02	0.0	0.0	0.0	233.19	-0.01	0.04	13.2
036	G	12.17	0.00	-0.5	0.0	0.0	0.32	0.14	0.02	64.1
		-0.06	0.02	0.0	0.0	0.0	227.25	-0.01	0.05	12.9
037	G	12.74	0.00	-0.5	0.0	0.0	0.35	0.17	0.02	64.2
		-0.06	0.02	0.0	0.0	0.0	221.04	-0.01	0.06	12.5
038	G	13.34	0.00	-0.5	0.0	0.0	0.38	0.21	0.03	64.3
		-0.07	0.01	0.0	0.0	0.0	214.54	-0.01	0.07	12.1
039	G	13.96	0.00	-0.5	0.0	0.0	0.42	0.24	0.03	64.5
		-0.07	0.01	0.0	0.0	0.0	207.73	-0.01	0.08	11.8
040	G	14.62	0.00	-0.6	0.0	0.0	0.46	0.28	0.04	64.6
		-0.08	0.00	0.0	0.0	0.0	200.60	-0.01	0.08	11.4
041	G	15.31	0.00	-0.6	0.0	0.0	0.50	0.32	0.05	64.8
		-0.09	0.00	0.0	0.0	0.0	193.13	-0.01	0.08	10.9
042	G	16.03	0.00	-0.6	0.0	0.0	0.54	0.36	0.05	64.9
		-0.10	0.01	0.0	0.0	0.0	185.31	-0.01	0.08	10.5
043	G	16.79	0.00	-0.6	0.0	0.0	0.60	0.40	0.06	65.1
		-0.11	0.02	0.0	0.0	0.0	177.12	-0.01	0.07	10.0
044	G	17.58	0.00	-0.7	0.0	0.0	0.65	0.43	0.06	65.3
		-0.12	0.03	0.0	0.0	0.0	168.55	-0.01	0.06	9.5
045	G	18.42	-0.01	-0.7	0.0	0.0	0.71	0.46	0.06	65.5
		-0.13	0.04	0.0	0.0	0.0	159.57	-0.01	0.04	9.0
046	G	19.29	-0.01	-0.7	0.0	0.0	0.78	0.47	0.07	65.7
		-0.14	0.06	0.0	0.0	0.0	150.16	0.00	0.01	8.5
047	G	20.21	-0.01	-0.7	0.0	0.0	0.85	0.47	0.06	66.0
		-0.15	0.08	0.0	0.0	0.0	140.31	0.00	-0.02	7.9
048	G	21.17	-0.01	-0.8	0.0	0.0	0.93	0.45	0.06	66.2
		-0.17	0.10	0.0	0.0	0.0	129.98	0.01	-0.06	7.4
049	G	22.18	-0.02	-0.8	0.0	0.0	1.02	0.41	0.06	66.5
		-0.19	0.12	0.0	0.0	0.0	119.17	0.02	-0.12	6.7
050	G	23.24	-0.02	-0.8	0.0	0.0	1.12	0.34	0.05	66.8
		-0.20	0.14	0.0	0.0	0.0	107.84	0.02	-0.18	6.1
051	G	24.35	-0.02	-0.9	0.0	0.0	1.22	0.23	0.03	67.0
		-0.22	0.17	0.0	0.0	0.0	95.97	0.04	-0.26	5.4
052	G	25.51	-0.03	-0.9	0.0	0.0	1.34	0.08	0.01	67.3
		-0.24	0.20	0.0	0.0	0.0	83.53	0.05	-0.35	4.7
053	G	26.73	-0.03	-1.0	0.0	-0.1	1.47	-0.12	-0.02	67.7
		-0.27	0.22	0.0	0.0	0.0	70.50	0.06	-0.46	4.0
054	G	27.94	-0.03	-1.0	0.0	-0.1	1.61	-0.38	-0.05	68.1
		-0.29	0.25	0.1	0.0	0.0	56.86	0.08	-0.57	3.2
055	G	28.08	-0.04	-1.0	0.0	-0.1	1.76	-0.69	-0.09	68.5
		-0.31	0.27	0.1	0.0	0.0	42.89	0.10	-0.70	2.4
056	G	28.21	-0.04	-1.1	0.0	-0.1	1.92	-1.08	-0.15	69.0
		-0.33	0.29	0.1	0.0	0.0	28.84	0.11	-0.85	1.6
057	G	28.34	-0.04	-1.1	0.0	-0.1	2.09	-1.54	-0.21	69.5
		-0.34	0.31	0.1	0.0	0.0	14.74	0.13	-1.00	0.8
058	G	28.47	-0.04	-1.2	0.0	-0.1	2.26	-2.07	-0.28	70.0
		-0.36	0.32	0.1	0.0	0.0	0.56	0.16	-1.15	0.0
059	G	28.60	-0.04	-1.2	0.0	-0.1	2.45	-2.69	-0.36	70.5
		-0.38	0.32	0.1	0.0	0.0	-13.67	0.18	-1.31	-0.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	28.72	-0.04	-1.3	0.0	-0.1	2.64	-3.38	-0.46	71.0
		-0.40	0.30	0.1	0.0	0.0	-27.97	0.20	-1.47	-1.6
061	G	28.84	-0.04	-1.3	0.0	-0.1	2.84	-4.15	-0.56	71.6
		-0.42	0.27	0.1	0.0	0.0	-42.33	0.22	-1.61	-2.4
062	G	28.94	-0.03	-1.4	0.0	-0.1	3.06	-4.99	-0.67	72.1
		-0.44	0.22	0.1	0.0	0.0	-56.74	0.23	-1.74	-3.2
063	G	29.04	-0.02	-1.5	0.0	0.0	3.28	-5.89	-0.79	72.7
		-0.46	0.15	0.1	0.0	0.0	-71.21	0.25	-1.83	-4.0
064	G	29.12	-0.01	-1.5	0.0	0.0	3.51	-6.82	-0.92	73.3
		-0.48	0.05	0.1	-0.1	0.0	-85.72	0.25	-1.88	-4.9
Line 4 Section 53									D0135	D0140
000	G	2.20	0.00	-1.5	0.0	0.0	3.51	-6.82	-0.92	73.3
		-0.04	0.00	0.1	-0.1	0.0	-85.72	0.25	-1.88	-4.9
001	G	2.20	0.00	-1.5	0.0	0.0	3.52	-7.01	-0.95	73.4
		-0.04	0.00	0.1	-0.1	0.0	-85.94	0.25	-1.88	-4.9
Line 4 Section 54									D0140	D0145
000	G	0.00	0.00	-1.5	0.0	0.0	3.52	-7.01	-0.95	38.1
		0.00	0.00	0.1	-0.1	0.0	-85.94	0.25	-1.88	-
001	G	0.00	0.00	-1.5	0.0	0.0	3.52	-7.11	-0.96	38.2
		0.00	0.00	0.1	-0.1	0.0	-85.94	0.25	-2.16	-
002	G	0.00	0.00	-1.5	0.0	0.0	3.52	-7.22	-0.97	38.2
		0.00	0.00	0.1	-0.1	0.0	-85.94	0.25	-2.44	-
Line 4 Section 55									D0145	NN0003
000	G	0.00	0.00	-1.5	0.0	0.0	3.52	-7.22	-0.97	38.2
		0.00	0.00	0.1	-0.1	0.0	-94.44	-1.05	14.40	-
001	G	0.00	0.00	-1.6	0.0	0.0	3.52	-1.91	-0.55	36.9
		0.00	0.00	0.1	-0.1	0.0	-94.44	-1.05	12.15	-
002	G	0.00	0.00	-1.6	0.0	0.1	3.52	2.50	-0.13	37.0
		0.00	0.00	0.1	-0.1	0.0	-94.44	-1.05	9.91	-
Line 4 Section 56									NN0003	TG02
000	G	0.00	0.00	0.8	0.0	0.1	3.52	2.50	-0.13	37.0
		0.00	0.00	0.1	-0.1	0.0	-94.44	-1.05	9.91	-
001	G	0.00	0.00	0.6	0.0	0.1	3.52	11.13	1.49	39.4
		0.00	0.00	0.2	0.0	0.0	-94.44	-1.05	1.25	-
002	T	0.00	0.00	0.4	0.0	0.1	3.52	6.38	3.12	0.0
		0.00	0.00	0.2	0.1	0.0	-94.44	-1.05	-7.40	-
Line 4 Section 57									TG02	NN0025
000	T	0.00	0.00	0.4	0.0	0.1	1.63	6.88	2.20	0.0
		0.00	0.00	0.2	0.1	0.0	-93.58	3.37	-9.39	-
001	G	0.00	0.00	0.3	0.0	0.0	1.63	-2.39	-0.49	36.5
		0.00	0.00	0.2	0.1	0.0	-93.58	3.37	-13.86	-
002	G	0.00	0.00	0.2	0.0	0.0	1.63	-15.23	-3.18	40.6
		0.00	0.00	0.2	0.0	0.0	-93.58	3.37	-18.33	-
Line 4 Section 58									NN0025	TG03
000	G	0.00	0.00	0.2	0.0	0.0	1.63	-15.23	-3.18	40.6
		0.00	0.00	0.2	0.0	0.0	-74.36	-2.42	14.11	-
001	G	0.00	0.00	0.1	0.0	0.0	1.63	-5.76	-1.25	37.5
		0.00	0.00	0.2	0.0	0.0	-74.36	-2.42	9.65	-
002	T	0.00	0.00	0.0	0.0	0.0	1.63	0.16	0.68	0.0
		0.00	0.00	0.2	0.0	0.0	-74.36	-2.42	5.18	-
Line 4 Section 59									TG03	KNA-1
000	T	0.00	0.00	0.0	0.0	0.0	-0.30	0.19	0.64	0.0
		0.00	0.00	0.2	0.0	0.0	-74.25	1.96	3.07	-
001	G	0.00	0.00	0.0	0.0	0.0	-0.30	0.41	0.49	35.8
		0.00	0.00	0.2	0.0	0.0	-74.25	1.96	2.65	-
002	G	0.00	0.00	0.0	0.0	0.0	-0.30	0.59	0.34	35.8
		0.00	0.00	0.2	0.0	0.0	-74.25	1.96	2.23	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line 4 Section 60										KNA-1 NN0013	
000	G	0.00	0.00	0.0	0.0	0.0	-0.30	0.59	0.34	35.8	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	5.79	-	
001	G	0.00	0.00	-0.1	0.0	0.0	-0.30	3.52	0.24	36.7	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	0.77	-	
002	G	0.00	0.00	-0.2	0.0	0.0	-0.30	1.97	0.14	36.2	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	-4.24	-	
Line 4 Section 61										NN0013 D0146	
000	G	0.00	0.00	10.2	0.0	0.0	-0.30	1.97	0.14	36.2	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	-4.24	-	
001	G	0.00	0.00	10.1	0.0	0.0	-0.30	-4.07	0.03	36.9	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	-9.26	-	
002	G	0.00	0.00	10.0	0.0	0.0	-0.30	-14.61	-0.07	40.3	
		0.00	0.00	0.2	0.0	0.0	-88.14	0.12	-14.27	-	
Line 4 Section 62										D0146 D0147	
000	G	0.00	0.00	10.0	0.0	0.0	-0.30	-14.61	-0.07	40.3	
		0.00	0.00	0.2	0.0	0.0	-73.26	-0.01	16.23	-	
001	G	0.00	0.00	10.0	0.0	0.0	-0.30	-13.80	-0.07	40.0	
		0.00	0.00	0.2	0.0	0.0	-73.26	-0.01	15.95	-	
002	G	0.00	0.00	9.9	0.0	0.0	-0.30	-13.01	-0.07	39.8	
		0.00	0.00	0.2	0.0	0.0	-73.26	-0.01	15.67	-	
Line 4 Section 63										D0147 D0155	
000	G	-2.20	0.00	9.9	0.0	0.0	-0.30	-13.01	-0.07	74.0	
		-0.01	0.00	0.2	0.0	0.0	-73.26	-0.01	15.67	-4.1	
001	G	-2.20	0.00	9.9	0.0	0.0	-0.29	-11.44	-0.07	73.7	
		-0.01	0.00	0.2	0.0	0.0	-73.03	-0.01	15.67	-4.1	
Line 4 Section 64										D0155 D0156	
000	G	0.00	0.00	9.9	0.0	0.0	-0.29	-11.44	-0.07	39.3	
		0.00	0.00	0.2	0.0	0.0	-73.03	-0.01	15.67	-	
001	G	0.00	0.00	9.6	0.0	0.1	-0.29	10.34	-0.02	38.9	
		0.00	0.00	0.2	0.0	0.0	-73.03	-0.01	-1.15	-	
002	G	0.00	0.00	9.2	0.0	0.0	-0.29	-18.32	0.02	41.5	
		0.00	0.00	0.2	0.0	0.0	-73.03	-0.01	-17.96	-	
Line 4 Section 65										D0156 NN0001	
000	G	0.00	0.00	9.2	0.0	0.0	-0.29	-18.32	0.02	41.5	
		0.00	0.00	0.2	0.0	0.0	-56.01	0.00	17.13	-	
001	G	0.00	0.00	8.9	0.0	0.1	-0.29	7.85	0.01	38.1	
		0.00	0.00	0.2	0.0	0.0	-56.01	0.00	0.32	-	
002	G	0.00	0.00	8.5	0.0	0.0	-0.29	-16.41	-0.01	40.9	
		0.00	0.00	0.2	0.0	0.0	-56.01	0.00	-16.49	-	
Line 4 Section 66										NN0001 D0157	
000	G	0.00	0.00	8.5	0.0	0.0	-0.29	-16.41	-0.01	40.9	
		0.00	0.00	0.2	0.0	0.0	-39.93	0.00	16.73	-	
001	G	0.00	0.00	8.2	0.0	0.1	-0.29	8.55	0.00	38.3	
		0.00	0.00	0.2	0.0	0.0	-39.93	0.00	-0.09	-	
002	G	0.00	0.00	7.8	0.0	0.0	-0.29	-16.92	0.00	41.1	
		0.00	0.00	0.2	0.0	0.0	-39.93	0.00	-16.90	-	
Line 4 Section 67										D0157 NN0002	
000	G	0.00	0.00	7.8	0.0	0.0	-0.29	-16.92	0.00	41.1	
		0.00	0.00	0.2	0.0	0.0	-23.64	0.00	16.83	-	
001	G	0.00	0.00	7.5	0.0	0.1	-0.29	8.37	0.00	38.3	
		0.00	0.00	0.2	0.0	0.0	-23.64	0.00	0.02	-	
002	G	0.00	0.00	7.2	0.0	0.0	-0.29	-16.78	0.00	41.0	
		0.00	0.00	0.2	0.0	0.0	-23.64	0.00	-16.79	-	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 68									NN0002 D0158	
000	G	0.00	0.00	7.2	0.0	0.0	-0.29	-16.78	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	-7.46	0.00	16.80	-
001	G	0.00	0.00	6.9	0.0	0.1	-0.29	8.42	0.00	38.3
		0.00	0.00	0.2	0.0	0.0	-7.46	0.00	-0.01	-
002	G	0.00	0.00	6.6	0.0	0.0	-0.29	-16.82	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	-7.46	0.00	-16.82	-
Line 4 Section 69									D0158 D0160	
000	G	0.00	0.00	6.6	0.0	0.0	-0.29	-16.82	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	8.69	0.00	16.81	-
001	G	0.00	0.00	6.3	0.0	0.1	-0.29	8.40	0.00	38.3
		0.00	0.00	0.2	0.0	0.0	8.69	0.00	0.00	-
002	G	0.00	0.00	6.0	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	8.69	0.00	-16.81	-
Line 4 Section 70									D0160 D0165	
000	G	0.00	0.00	6.0	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	24.80	0.00	16.81	-
001	G	0.00	0.00	5.7	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.2	0.0	0.0	24.80	0.00	0.00	-
002	G	0.00	0.00	5.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	24.80	0.00	-16.81	-
Line 4 Section 71									D0165 D0167	
000	G	0.00	0.00	5.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.2	0.0	0.0	40.86	0.00	16.81	-
001	G	0.00	0.00	5.2	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.2	0.0	0.0	40.86	0.00	0.00	-
002	G	0.00	0.00	4.9	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	40.86	0.00	-16.81	-
Line 4 Section 72									D0167 D0168	
000	G	0.00	0.00	4.9	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	56.87	0.00	16.81	-
001	G	0.00	0.00	4.6	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	56.87	0.00	0.00	-
002	G	0.00	0.00	4.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	56.87	0.00	-16.81	-
Line 4 Section 73									D0168 D0169	
000	G	0.00	0.00	4.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	72.82	0.00	16.81	-
001	G	0.00	0.00	4.1	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	72.82	0.00	0.00	-
002	G	0.00	0.00	3.9	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	72.82	0.00	-16.81	-
Line 4 Section 74									D0169 NN0014	
000	G	0.00	0.00	3.9	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	88.71	0.00	16.81	-
001	G	0.00	0.00	3.7	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	88.71	0.00	0.00	-
002	G	0.00	0.00	3.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	88.71	0.00	-16.81	-
Line 4 Section 75									NN0014 NN0015	
000	G	0.00	0.00	3.4	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	104.54	0.00	16.81	-
001	G	0.00	0.00	3.2	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	104.54	0.00	0.00	-
002	G	0.00	0.00	3.0	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	104.54	0.00	-16.81	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 76									NN0015 NN0016	
000	G	0.00	0.00	3.0	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	120.30	0.00	16.81	-
001	G	0.00	0.00	2.8	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	120.30	0.00	0.00	-
002	G	0.00	0.00	2.6	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	120.30	0.00	-16.81	-
Line 4 Section 77									NN0016 NN0017	
000	G	0.00	0.00	2.6	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	135.99	0.00	16.81	-
001	G	0.00	0.00	2.4	0.0	0.1	-0.29	8.40	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	135.99	0.00	0.00	-
002	G	0.00	0.00	2.2	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	135.99	0.00	-16.81	-
Line 4 Section 78									NN0017 NN0018	
000	G	0.00	0.00	2.2	0.0	0.0	-0.29	-16.81	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	151.59	0.00	16.81	-
001	G	0.00	0.00	2.0	0.0	0.1	-0.29	8.41	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	151.59	0.00	0.00	-
002	G	0.00	0.00	1.9	0.0	0.0	-0.29	-16.80	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	151.59	0.00	-16.81	-
Line 4 Section 79									NN0018 NN0019	
000	G	0.00	0.00	1.9	0.0	0.0	-0.29	-16.80	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	167.10	0.00	16.80	-
001	G	0.00	0.00	1.7	0.0	0.1	-0.29	8.40	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	167.10	0.00	-0.01	-
002	G	0.00	0.00	1.5	0.0	0.0	-0.29	-16.84	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	167.10	0.00	-16.82	-
Line 4 Section 80									NN0019 NN0020	
000	G	0.00	0.00	1.5	0.0	0.0	-0.29	-16.84	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	182.54	0.00	16.83	-
001	G	0.00	0.00	1.4	0.0	0.1	-0.29	8.44	0.00	38.3
		0.00	0.00	0.1	0.0	0.0	182.54	0.00	0.02	-
002	G	0.00	0.00	1.2	0.0	0.0	-0.29	-16.71	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	182.54	0.00	-16.79	-
Line 4 Section 81									NN0020 NN0021	
000	G	0.00	0.00	1.2	0.0	0.0	-0.29	-16.71	0.00	41.0
		0.00	0.00	0.1	0.0	0.0	197.81	0.00	16.73	-
001	G	0.00	0.00	1.1	0.0	0.1	-0.29	8.27	0.00	38.2
		0.00	0.00	0.1	0.0	0.0	197.81	0.00	-0.08	-
002	G	0.00	0.00	1.0	0.0	0.0	-0.29	-17.19	0.00	41.1
		0.00	0.00	0.0	0.0	0.0	197.81	0.00	-16.89	-
Line 4 Section 82									NN0021 NN0022	
000	G	0.00	0.00	1.0	0.0	0.0	-0.29	-17.19	0.00	41.1
		0.00	0.00	0.0	0.0	0.0	213.19	0.00	17.11	-
001	G	0.00	0.00	0.8	0.0	0.1	-0.29	8.92	0.00	38.5
		0.00	0.00	0.0	0.0	0.0	213.19	0.00	0.30	-
002	G	0.00	0.00	0.7	0.0	0.0	-0.29	-15.41	0.00	40.6
		0.00	0.00	0.0	0.0	0.0	213.19	0.00	-16.51	-
Line 4 Section 83									NN0022 NN0023	
000	G	0.00	0.00	0.7	0.0	0.0	-0.29	-15.41	0.00	40.6
		0.00	0.00	0.0	0.0	0.0	227.64	0.00	15.71	-
001	G	0.00	0.00	0.6	0.0	0.0	-0.29	6.49	0.00	37.7
		0.00	0.00	0.0	0.0	0.0	227.64	0.00	-1.11	-
002	G	0.00	0.00	0.5	0.0	0.0	-0.29	-22.04	0.00	42.7
		0.00	0.00	0.0	0.0	0.0	227.64	0.00	-17.92	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 84									NN0023 NN0024	
000	G	0.00	0.00	0.5	0.0	0.0	-0.29	-22.04	0.00	42.7
		0.00	0.00	0.0	0.0	0.0	244.62	0.00	20.29	-
001	G	0.00	0.00	0.3	0.0	0.3	-0.29	14.64	0.00	40.3
		0.00	0.00	0.0	0.0	0.0	244.62	0.00	-0.72	-
002	G	0.00	0.00	0.2	0.0	0.0	-0.29	-27.47	0.00	44.5
		0.00	0.00	0.0	0.0	0.0	244.62	0.00	-21.74	-
Line 4 Section 85									NN0024 D0170	
000	G	0.00	0.00	0.2	0.0	0.0	-0.29	-27.47	0.00	44.5
		0.00	0.00	0.0	0.0	0.0	263.49	0.00	21.25	-
001	G	0.00	0.00	0.1	0.0	0.2	-0.29	12.83	0.00	39.7
		0.00	0.00	0.0	0.0	0.0	263.49	0.00	0.24	-
002	G	0.00	0.00	0.0	0.0	0.0	-0.29	-25.66	0.00	43.9
		0.00	0.00	0.0	0.0	0.0	263.49	0.00	-20.77	-

Results Load condition 2: Hot loading case (adt=adt_warm)

Coordinate system

- u,v,w - Local coordinate system (orthogonal system)
 u - axial positive in direction of calculation
 x - horizontal to right
 w - vertical down
 (for v and w special definition for bends and vertical sections, see manual)

Section results

- wu,wv,ww - Displacement in mm
 pu,pv,pw - Rotation in mrad
 Mu,Mv,Mw - Moments in kNm (Mu = Mt)
 Qu,Qv,Qw - Forces in kN (Qu = Fn)
 SIGV - Reference stress in N/mm² (or MPa)
 (Maximum from calculation on inner- and outerfibre with 10 ° steps
 in circum. direction, local stress factors based on the chosen calculation base)
 SIGAX - Axial stress in N/mm² (or MPa)

More results and estimations

- FR'(wu) - axial friction with lateral compression in kN/m
 MR'(pu) - Frictional torsion moment in kNm/m
 Q'(wv) - lateral compression by wv-displacement in kN/m
 Q'(ww) - lateral compression by ww-displacement in kN/m
 SNR - section number within a section
 KZ=G - characteristic for the straight area
 KZ=B - characteristic for bends
 KZ=T - characteristic for T-piece
 KZ=K - characteristic for mitre

SNR	KZ	FR'(wu)	Q'(wv)	wu	wv	ww	Mu	Mv	Mw	SigV
		MR'(pu)	Q'(ww)	pu	pv	pw	Qu	Qv	Qw	SigAx
Line 1	Section 1									A0010 NN0029
000	G	20.45	-10.93	-8.4	1.3	0.3	0.00	0.00	0.00	50.4
		-0.16	2.38	1.0	0.0	-0.1	194.88	0.00	0.00	24.6
001	G	20.22	-10.50	-7.7	1.2	0.3	0.08	0.28	-1.30	50.5
		-0.17	2.21	1.0	0.0	-0.1	184.97	5.22	1.12	23.4
002	G	19.93	-9.96	-7.0	1.1	0.2	0.17	1.09	-5.08	51.4
		-0.19	2.02	1.0	0.1	-0.2	175.20	10.20	2.15	22.1
003	G	19.47	-9.07	-6.3	1.0	0.2	0.27	2.37	-11.23	54.0
		-0.20	1.76	1.0	0.1	-0.3	165.61	14.83	3.07	20.9
004	G	18.65	-7.45	-5.7	0.9	0.2	0.37	4.08	-19.53	58.8
		-0.22	1.34	1.0	0.1	-0.5	156.32	18.85	3.82	19.7
005	G	17.23	-4.58	-5.0	0.5	0.1	0.48	6.10	-29.59	66.0
		-0.23	0.66	1.0	0.2	-0.9	147.59	21.78	4.31	18.6
006	G	15.37	0.18	-4.3	0.0	0.0	0.60	8.27	-40.74	74.7
		-0.24	0.41	1.0	0.3	-1.4	139.65	22.86	4.36	17.6
007	G	18.98	7.50	-3.7	-0.9	-0.2	0.74	10.35	-51.85	91.6
		-0.36	2.00	1.0	0.4	-2.1	131.29	20.99	3.78	16.6
008	G	24.11	17.89	-3.0	-2.1	-0.5	0.97	11.95	-61.18	109.0
		-0.56	4.23	1.0	0.6	-2.9	120.79	14.80	2.26	15.3
009	G	30.91	31.57	-2.4	-3.7	-0.8	1.33	12.55	-66.27	123.7
		-0.94	7.21	1.1	0.8	-3.9	107.39	2.76	-0.53	13.6
010	G	25.64	48.31	-1.7	-5.8	-1.3	1.83	11.44	-63.87	131.6
		-1.11	10.94	1.1	1.0	-4.8	93.62	-16.69	-4.95	11.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 1 Section 2									NN0029 NN0028	
000	G	1.21	0.78	-1.7	-5.8	-1.3	1.83	11.44	-63.87	106.0
		-0.05	0.25	1.1	1.0	-4.8	93.62	-16.69	-4.95	11.8
001	G	1.22	0.78	-1.6	-6.3	-1.4	1.84	10.94	-62.20	104.0
		-0.06	0.27	1.1	1.0	-5.0	93.50	-16.77	-4.97	11.8
Line 1 Section 3									NN0028 NN0027	
000	G	0.00	0.00	-1.6	-6.3	-1.4	1.84	10.94	-62.20	168.4
		0.00	0.00	1.1	1.0	-5.0	21.50	-16.77	-4.97	-
001	G	0.00	0.00	1.3	-27.0	-4.9	1.84	-4.20	-23.21	83.6
		0.00	0.00	1.5	1.6	-11.8	21.50	-16.77	-8.05	-
002	G	0.00	0.00	4.3	-56.3	-6.6	1.84	-26.49	15.77	96.0
		0.00	0.00	1.9	-0.7	-12.4	21.50	-16.77	-11.13	-
000	B	0.00	0.00	4.3	-6.6	56.3	1.84	15.77	26.49	234.1
		0.00	0.00	1.9	-12.4	0.7	21.50	-11.13	16.77	-
001	B	0.00	0.00	3.8	-6.9	57.0	3.11	16.60	26.93	240.9
		0.00	0.00	1.0	-11.8	1.8	20.93	-3.22	16.77	-
002	B	0.00	0.00	3.3	-7.0	57.7	4.44	17.32	26.88	244.9
		0.00	0.00	0.3	-11.2	2.8	20.98	4.71	16.77	-
003	B	0.00	0.00	2.9	-7.1	58.4	5.83	17.94	26.35	246.2
		0.00	0.00	-0.3	-10.5	3.9	21.65	12.61	16.77	-
004	B	0.00	0.00	2.4	-7.0	59.0	7.26	18.44	25.35	244.9
		0.00	0.00	-0.7	-9.7	4.9	22.92	20.44	16.77	-
005	B	0.00	0.00	1.9	-6.8	59.6	8.72	18.84	23.87	241.3
		0.00	0.00	-1.0	-8.9	5.9	24.80	28.14	16.77	-
005	B	0.00	0.00	1.9	-6.8	59.6	8.72	18.84	23.87	241.3
		0.00	0.00	-1.0	-8.9	5.9	24.80	28.14	16.77	-
006	B	0.00	0.00	1.5	-6.6	60.1	10.21	19.11	21.93	235.7
		0.00	0.00	-1.2	-8.1	6.8	27.28	35.68	16.77	-
007	B	0.00	0.00	1.1	-6.2	60.6	11.72	19.27	19.53	228.7
		0.00	0.00	-1.3	-7.2	7.6	30.33	43.00	16.77	-
008	B	0.00	0.00	0.7	-5.8	61.0	13.24	19.31	16.70	220.9
		0.00	0.00	-1.1	-6.4	8.4	33.94	50.06	16.77	-
009	B	0.00	0.00	0.3	-5.3	61.3	14.75	19.23	13.45	213.1
		0.00	0.00	-0.9	-5.5	9.0	38.09	56.83	16.77	-
010	B	0.00	0.00	0.0	-4.8	61.6	16.25	19.03	9.80	206.4
		0.00	0.00	-0.5	-4.7	9.4	42.75	63.25	16.77	-
Line 1 Section 4									NN0027 TT01	
000	G	0.00	0.00	0.0	-61.6	-4.8	16.25	-9.80	19.03	86.4
		0.00	0.00	-0.5	-9.4	-4.7	42.75	-16.77	63.25	-
001	G	0.00	0.00	0.2	-62.4	-3.3	16.25	0.10	21.66	85.5
		0.00	0.00	-0.3	-9.5	-4.5	42.61	-16.77	63.10	-
002	G	0.00	0.00	0.4	-63.0	-1.8	16.25	9.98	24.29	94.4
		0.00	0.00	0.0	-9.4	-4.2	42.46	-16.77	62.95	-
004	T	0.00	0.00	0.4	-63.0	-1.8	16.25	9.98	24.29	0.0
		0.00	0.00	0.0	-3.7	-0.1	42.46	-16.77	62.95	-
005	T	0.00	0.00	0.9	-63.1	-0.5	16.25	32.36	30.25	0.0
		0.00	0.00	0.0	-3.7	-0.1	-80.42	-16.77	62.95	-
006	T	0.00	0.00	-63.1	-0.9	-0.5	32.36	-16.25	30.25	0.0
		0.00	0.00	-3.7	0.0	-0.1	-16.77	80.42	62.95	-
007	T	0.00	0.00	-63.1	-1.0	0.3	32.36	9.90	32.89	0.0
		0.00	0.00	-3.7	0.0	-0.1	-16.77	101.38	-12.35	-
Line 2 Section 1									B0010 B0020	
000	G	24.07	0.00	-46.0	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	-0.1	0.0	0.0	194.88	0.00	0.00	24.6
001	G	24.07	0.00	-45.3	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	-0.1	0.0	0.0	182.67	0.00	0.00	23.1
002	G	24.07	0.00	-44.6	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	-0.1	0.0	0.0	170.47	0.00	0.00	21.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	24.07	0.00	-43.9	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	-0.1	0.0	0.0	158.26	0.00	0.00	20.0
004	G	24.07	0.00	-43.2	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	-0.1	0.0	0.0	146.06	0.00	0.00	18.4
005	G	24.07	0.00	-42.5	0.0	0.0	-0.01	0.00	0.00	44.1
		0.00	0.00	-0.1	0.0	0.0	133.85	0.00	0.00	16.9
006	G	24.07	0.00	-41.8	0.0	0.0	-0.01	0.00	0.00	44.4
		0.00	0.00	-0.1	0.0	0.0	121.65	0.00	0.00	15.4
007	G	24.07	0.00	-41.2	0.0	0.0	-0.01	0.00	0.00	44.7
		0.00	0.00	-0.1	0.0	0.0	109.44	0.00	0.00	13.8
008	G	24.07	0.00	-40.5	0.0	0.0	-0.01	0.00	0.00	45.1
		0.00	0.00	-0.1	0.0	0.0	97.24	0.00	0.00	12.3
009	G	24.07	0.00	-39.8	0.0	0.0	-0.01	0.00	0.00	45.6
		0.00	0.00	-0.1	0.0	0.0	85.03	0.00	0.00	10.7
010	G	24.07	0.00	-39.1	0.0	0.0	-0.01	0.00	0.00	46.1
		0.00	0.00	-0.1	0.0	0.0	72.83	0.00	0.00	9.2
011	G	24.07	0.00	-38.5	0.0	0.0	-0.01	0.00	0.00	46.7
		0.00	0.00	-0.1	0.0	0.0	60.63	0.00	0.00	7.7
012	G	24.07	0.00	-37.8	0.0	0.0	-0.01	0.00	0.00	47.2
		0.00	0.00	-0.1	0.0	0.0	48.42	0.00	0.00	6.1
013	G	24.07	0.00	-37.1	0.0	0.0	-0.01	0.00	0.00	47.9
		0.00	0.00	-0.1	0.0	0.0	36.22	0.00	0.00	4.6
014	G	24.07	0.00	-36.5	0.0	0.0	-0.02	0.00	0.00	48.6
		0.00	0.00	-0.1	0.0	0.0	24.01	0.00	0.00	3.0
015	G	24.07	0.00	-35.8	0.0	0.0	-0.02	0.00	0.00	49.3
		0.00	0.00	-0.1	0.0	0.0	11.81	0.00	0.00	1.5
016	G	24.07	0.00	-35.2	0.0	0.0	-0.02	0.00	0.00	50.0
		0.00	0.00	-0.1	0.0	0.0	-0.40	0.00	0.00	-0.1
017	G	24.07	0.00	-34.5	0.0	0.0	-0.02	0.00	0.00	50.8
		0.00	0.00	-0.1	0.0	0.0	-12.60	0.00	0.00	-1.6
018	G	24.07	0.00	-33.9	0.0	0.0	-0.02	0.00	0.00	51.6
		0.00	0.00	-0.1	0.0	0.0	-24.81	0.00	0.00	-3.1
019	G	24.07	0.00	-33.2	0.0	0.0	-0.02	0.00	0.00	52.5
		0.00	0.00	-0.1	0.0	0.0	-37.01	0.00	0.00	-4.7
020	G	24.07	0.00	-32.6	0.0	0.0	-0.02	0.00	0.00	53.4
		0.00	0.00	-0.1	0.0	0.0	-49.22	0.00	0.00	-6.2
Line 2	Section 2								B0020 B0030	
000	G	24.07	0.00	-32.6	0.0	0.0	-0.02	0.00	0.00	53.4
		0.00	0.00	-0.1	0.0	0.0	-49.22	0.00	0.00	-6.2
001	G	23.49	0.00	-32.0	0.0	0.0	-0.03	0.00	0.00	54.3
		0.00	0.00	-0.1	0.0	0.0	-61.13	0.00	0.00	-7.7
002	G	22.90	0.00	-31.3	0.0	0.0	-0.03	0.00	0.00	55.2
		0.00	0.00	-0.1	0.0	0.0	-72.76	0.00	0.00	-9.2
003	G	22.32	0.00	-30.7	0.0	0.0	-0.03	0.00	0.00	56.1
		0.00	0.00	-0.1	0.0	0.0	-84.08	0.00	0.00	-10.6
004	G	21.73	0.00	-30.1	0.0	0.0	-0.03	0.00	0.00	57.0
		0.00	0.00	-0.1	0.0	0.0	-95.12	0.00	0.00	-12.0
005	G	21.15	0.00	-29.5	0.0	0.0	-0.03	0.00	0.00	57.9
		0.00	0.00	-0.1	0.0	0.0	-105.86	0.00	0.00	-13.4
006	G	20.56	0.00	-28.9	0.0	0.0	-0.03	0.00	0.00	58.7
		0.00	0.00	-0.1	0.0	0.0	-116.31	0.00	0.00	-14.7
007	G	19.98	0.00	-28.3	0.0	0.0	-0.04	0.00	0.00	59.6
		0.00	0.00	-0.1	0.0	0.0	-126.47	0.00	0.00	-16.0
008	G	19.39	0.00	-27.7	0.0	0.0	-0.04	0.00	0.00	60.5
		0.00	0.00	-0.1	0.0	0.0	-136.34	0.00	0.00	-17.2
009	G	18.81	0.00	-27.1	0.0	0.0	-0.04	0.00	0.00	61.3
		0.00	0.00	-0.1	0.0	0.0	-145.91	0.00	0.00	-18.4
010	G	18.22	0.00	-26.5	0.0	0.0	-0.04	0.00	0.00	62.2
		0.00	0.00	-0.1	0.0	0.0	-155.18	0.00	0.00	-19.6
011	G	17.64	0.00	-25.9	0.0	0.0	-0.04	0.00	0.00	63.0
		0.00	0.00	-0.1	0.0	0.0	-164.17	0.00	0.00	-20.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
012	G	17.05	0.00	-25.3	0.0	0.0	-0.04	0.00	0.00	63.8
		0.00	0.00	-0.1	0.0	0.0	-172.86	0.00	0.00	-21.8
013	G	16.47	0.00	-24.7	0.0	0.0	-0.05	0.00	0.00	64.6
		0.00	0.00	-0.1	0.0	0.0	-181.26	0.00	0.00	-22.9
014	G	15.88	0.00	-24.1	0.0	0.0	-0.05	0.00	0.00	65.3
		0.00	0.00	-0.1	0.0	0.0	-189.36	0.00	0.00	-23.9
015	G	15.30	0.00	-23.5	0.0	0.0	-0.05	0.00	0.00	66.1
		0.00	0.00	-0.1	0.0	0.0	-197.18	0.00	0.00	-24.9
016	G	14.71	0.00	-22.9	0.0	0.0	-0.05	0.00	0.00	66.8
		0.00	0.00	-0.1	0.0	0.0	-204.69	0.00	0.00	-25.8
017	G	14.13	0.00	-22.4	0.0	0.0	-0.05	0.00	0.00	67.5
		0.00	0.00	-0.1	0.0	0.0	-211.92	0.00	0.00	-26.8
018	G	13.54	0.00	-21.8	0.0	0.0	-0.05	0.00	0.00	68.2
		0.00	0.00	-0.1	0.0	0.0	-218.85	0.00	0.00	-27.6
019	G	12.96	0.00	-21.2	0.0	0.0	-0.06	0.00	0.00	68.8
		0.00	0.00	-0.1	0.0	0.0	-225.49	0.00	0.00	-28.5
020	G	12.37	0.00	-20.6	0.0	0.0	-0.06	0.00	0.00	69.4
		0.00	0.00	-0.1	0.0	0.0	-231.84	0.00	0.00	-29.3
021	G	11.79	0.00	-20.1	0.0	0.0	-0.06	0.00	0.00	70.0
		0.00	0.00	-0.1	0.0	0.0	-237.89	0.00	0.00	-30.0
022	G	11.20	0.00	-19.5	0.0	0.0	-0.06	0.01	0.00	70.6
		0.00	0.00	-0.1	0.0	0.0	-243.65	0.00	0.00	-30.8
023	G	10.62	0.00	-18.9	0.0	0.0	-0.06	0.01	0.00	71.2
		0.00	0.00	-0.1	0.0	0.0	-249.12	0.00	0.00	-31.5
024	G	10.04	0.00	-18.4	0.0	0.0	-0.06	0.01	0.00	71.7
		0.00	0.00	-0.1	0.0	0.0	-254.30	0.00	0.00	-32.1
025	G	9.45	0.00	-17.8	0.0	0.0	-0.06	0.00	0.00	72.2
		0.00	0.01	-0.1	0.0	0.0	-259.18	0.00	0.00	-32.7
026	G	8.87	0.00	-17.2	0.0	0.0	-0.07	0.00	0.00	72.6
		0.00	0.01	-0.1	0.0	0.0	-263.77	0.00	-0.01	-33.3
027	G	8.28	0.00	-16.7	0.0	0.0	-0.07	0.00	0.00	73.1
		0.00	0.01	-0.1	0.0	0.0	-268.07	0.01	-0.01	-33.9
028	G	7.70	-0.01	-16.1	0.0	0.0	-0.07	-0.01	-0.01	73.5
		0.00	0.01	-0.1	0.0	0.0	-272.07	0.01	-0.02	-34.4
029	G	7.12	-0.01	-15.5	0.0	0.0	-0.07	-0.02	-0.01	73.9
		0.00	0.01	-0.1	0.0	0.0	-275.78	0.01	-0.02	-34.8
030	G	6.53	-0.01	-15.0	0.0	0.0	-0.07	-0.04	-0.02	74.3
		0.00	0.01	-0.1	0.0	0.0	-279.20	0.01	-0.03	-35.3
031	G	5.94	0.00	-14.4	0.0	0.0	-0.07	-0.05	-0.02	74.6
		0.00	0.01	-0.1	0.0	0.0	-282.33	0.02	-0.04	-35.7
032	G	5.36	0.00	-13.9	0.0	0.0	-0.07	-0.07	-0.03	74.9
		0.00	0.00	-0.1	0.0	0.0	-285.16	0.02	-0.04	-36.0
033	G	4.77	0.00	-13.3	0.0	0.0	-0.08	-0.09	-0.04	75.2
		0.00	0.01	-0.1	0.0	0.0	-287.69	0.02	-0.04	-36.3
034	G	4.19	0.01	-12.8	0.0	0.0	-0.08	-0.11	-0.05	75.5
		0.00	0.02	-0.1	0.0	0.0	-289.94	0.01	-0.03	-36.6
035	G	3.62	0.02	-12.2	0.0	0.0	-0.08	-0.13	-0.06	75.7
		0.00	0.04	-0.1	0.0	0.0	-291.90	0.01	-0.02	-36.9
036	G	3.05	0.03	-11.7	0.0	0.0	-0.08	-0.13	-0.06	75.9
		0.00	0.07	-0.1	0.0	0.0	-293.57	0.00	0.01	-37.1
037	G	2.48	0.04	-11.1	0.0	0.0	-0.08	-0.12	-0.05	76.0
		0.00	0.10	-0.1	0.0	0.0	-294.96	-0.02	0.05	-37.2
Line 2	Section 3								B0030 B0032	
000	G	2.49	0.05	-11.1	0.0	0.0	-0.08	-0.12	-0.05	76.0
		0.00	0.11	-0.1	0.0	0.0	-294.96	-0.02	0.05	-37.2
001	G	3.60	0.07	-10.5	0.0	0.0	-0.08	-0.08	-0.03	76.2
		0.00	0.15	-0.1	0.0	0.0	-296.50	-0.05	0.11	-37.4
002	G	4.71	0.09	-10.0	0.0	0.0	-0.08	0.00	0.00	76.3
		0.00	0.20	-0.1	0.0	0.0	-298.61	-0.09	0.20	-37.7
003	G	5.82	0.11	-9.4	0.0	0.0	-0.08	0.13	0.06	76.8
		0.00	0.25	-0.1	0.0	0.0	-301.29	-0.14	0.32	-38.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	6.93	0.13	-8.9	0.0	0.0	-0.09	0.33	0.14	77.4
		0.01	0.30	-0.1	0.0	0.0	-304.53	-0.20	0.46	-38.5
005	G	8.02	0.14	-8.3	0.0	0.0	-0.09	0.60	0.26	78.1
		0.01	0.32	-0.1	0.0	0.0	-308.33	-0.27	0.62	-38.9
006	G	9.10	0.14	-7.7	0.0	0.0	-0.09	0.95	0.42	79.0
		0.01	0.31	-0.1	0.0	0.0	-312.68	-0.34	0.78	-39.5
007	G	10.13	0.10	-7.2	0.0	0.0	-0.10	1.39	0.61	79.9
		0.01	0.23	-0.1	0.0	0.0	-317.56	-0.40	0.91	-40.1
008	G	11.12	0.02	-6.6	0.0	0.0	-0.10	1.88	0.83	81.0
		0.01	0.06	-0.1	0.1	0.0	-322.96	-0.43	0.99	-40.8
009	G	12.31	-0.11	-6.1	0.0	0.0	-0.11	2.39	1.05	82.3
		0.02	0.24	-0.1	0.1	0.0	-328.91	-0.41	0.94	-41.5
010	G	13.66	-0.31	-5.5	0.0	-0.1	-0.12	2.83	1.25	83.7
		0.02	0.71	-0.1	0.1	0.1	-335.51	-0.31	0.70	-42.4
011	G	15.12	-0.60	-5.0	0.1	-0.2	-0.13	3.10	1.37	85.0
		0.03	1.37	-0.1	0.2	0.1	-342.81	-0.07	0.17	-43.3
012	G	16.71	-0.99	-4.4	0.1	-0.3	-0.15	3.01	1.33	86.0
		0.03	2.24	-0.1	0.2	0.1	-350.90	0.33	-0.75	-44.3
013	G	18.41	-1.47	-3.9	0.2	-0.4	-0.17	2.34	1.03	86.5
		0.04	3.33	-0.1	0.3	0.1	-359.82	0.95	-2.16	-45.4
014	G	20.22	-2.02	-3.4	0.2	-0.5	-0.19	0.81	0.36	86.2
		0.05	4.58	-0.1	0.3	0.1	-369.63	1.84	-4.17	-46.7
015	G	22.05	-2.60	-2.8	0.3	-0.7	-0.22	-1.90	-0.84	89.0
		0.07	5.88	-0.1	0.3	0.1	-380.37	3.01	-6.82	-48.0
016	G	23.81	-3.11	-2.3	0.4	-0.8	-0.26	-6.12	-2.70	95.8
		0.10	7.06	-0.1	0.2	0.1	-392.02	4.46	-10.11	-49.5
017	G	25.32	-3.44	-1.8	0.4	-0.9	-0.33	-12.17	-5.37	105.0
		0.14	7.79	-0.1	0.1	0.0	-404.50	6.13	-13.88	-51.1
018	G	26.32	-3.38	-1.2	0.4	-0.9	-0.42	-20.23	-8.93	116.8
		0.22	7.66	-0.2	-0.2	-0.1	-417.61	7.86	-17.81	-52.7
019	G	16.60	-2.67	-0.7	0.3	-0.7	-0.54	-30.26	-13.36	130.7
		0.25	6.06	-0.2	-0.6	-0.3	-428.52	9.40	-21.29	-54.1
020	G	4.91	-1.00	-0.2	0.1	-0.3	-0.67	-41.86	-18.47	145.7
		0.29	2.27	-0.2	-1.1	-0.5	-433.98	10.33	-23.41	-54.8
Line 2	Section 4								B0032 NN0008	
000	G	0.16	-0.09	-0.2	0.1	-0.3	-0.67	-41.86	-18.47	145.1
		0.01	0.05	-0.2	-1.1	-0.5	-433.98	10.33	-23.41	-54.8
001	G	0.08	-0.05	-0.1	0.1	-0.1	-0.68	-44.20	-19.51	148.2
		0.01	0.03	-0.2	-1.3	-0.6	-433.99	10.34	-23.41	-54.8
Line 2	Section 5								NN0008 GNA-3	
000	G	0.00	0.00	-0.1	0.1	-0.1	-0.68	-44.20	-19.51	92.0
		0.00	0.00	-0.2	-1.3	-0.6	-433.99	10.34	-23.41	-
001	G	0.00	0.00	-0.1	0.0	-0.1	-0.68	-45.37	-20.02	93.7
		0.00	0.00	-0.2	-1.3	-0.6	-433.99	10.34	-23.51	-
002	G	0.00	0.00	0.0	0.0	0.0	-0.68	-46.55	-20.54	95.5
		0.00	0.00	-0.2	-1.4	-0.6	-433.99	10.34	-23.61	-
Line 2	Section 6								GNA-3 B0035	
000	G	0.00	0.00	0.0	0.0	0.0	-0.68	-46.55	-20.54	95.5
		0.00	0.00	-0.2	-1.4	-0.6	37.08	-7.29	30.95	-
001	G	0.00	0.00	0.1	0.0	0.1	-0.68	-45.00	-20.18	93.3
		0.00	0.00	-0.2	-1.5	-0.6	37.08	-7.29	30.85	-
002	G	0.00	0.00	0.1	-0.1	0.1	-0.68	-43.46	-19.81	91.2
		0.00	0.00	-0.2	-1.5	-0.7	37.08	-7.29	30.75	-
Line 2	Section 7								B0035 B0040	
000	G	-0.10	0.05	0.1	-0.1	0.1	-0.68	-43.46	-19.81	92.4
		0.01	0.03	-0.2	-1.5	-0.7	37.08	-7.29	30.75	4.7
001	G	-0.21	0.11	0.3	-0.1	0.3	-0.68	-40.39	-19.08	88.9
		0.01	0.06	-0.2	-1.7	-0.7	37.10	-7.30	30.76	4.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line 2 Section 8									B0040 B0050		
000	G	-6.29	0.29	0.3	-0.1	0.3	-0.68	-40.39	-19.08	89.2	
		0.30	0.66	-0.2	-1.7	-0.7	37.10	-7.30	30.76	4.7	
001	G	-22.00	1.23	0.9	-0.6	1.3	-0.83	-24.93	-15.40	72.7	
		0.33	2.23	-0.2	-2.2	-1.0	44.17	-7.68	31.48	5.6	
002	G	-25.99	2.19	1.6	-1.1	2.4	-0.98	-8.91	-11.40	57.4	
		0.25	2.61	-0.2	-2.4	-1.2	56.16	-8.53	32.69	7.1	
Line 2 Section 9									B0050 B0055		
000	G	0.00	0.00	1.6	-1.1	2.4	-0.98	-8.91	-11.40	46.0	
		0.00	0.00	-0.2	-2.4	-1.2	56.16	-8.53	32.69	-	
001	G	0.00	0.00	1.6	-1.2	2.5	-0.98	-7.28	-10.98	44.4	
		0.00	0.00	-0.2	-2.4	-1.2	56.16	-8.53	32.59	-	
002	G	0.00	0.00	1.7	-1.2	2.7	-0.98	-5.65	-10.55	42.9	
		0.00	0.00	-0.2	-2.4	-1.2	56.16	-8.53	32.49	-	
Line 2 Section 10									B0055 B0060		
000	G	0.00	0.00	1.7	-1.2	2.7	-0.98	-5.65	-10.55	42.9	
		0.00	0.00	-0.2	-2.4	-1.2	56.16	-8.53	32.49	-	
001	G	0.00	0.00	2.6	-2.2	4.4	-0.98	16.58	-4.59	50.3	
		0.00	0.00	-0.3	-2.3	-1.4	56.16	-8.53	31.11	-	
002	G	0.00	0.00	3.5	-3.2	5.8	-0.98	37.85	1.38	77.0	
		0.00	0.00	-0.3	-1.7	-1.4	56.16	-8.53	29.73	-	
000	B	0.00	0.00	3.5	-5.8	-3.2	-0.98	-1.38	37.85	185.1	
		0.00	0.00	-0.3	1.4	-1.7	56.16	-29.73	-8.53	-	
001	B	0.00	0.00	3.2	-6.2	-3.3	-1.11	-1.95	39.69	192.5	
		0.00	0.00	-0.2	1.4	-0.8	54.27	-18.60	-8.53	-	
002	B	0.00	0.00	2.8	-6.4	-3.4	-1.28	-2.50	40.68	196.4	
		0.00	0.00	-0.1	1.4	0.2	53.27	-7.37	-8.53	-	
003	B	0.00	0.00	2.4	-6.6	-3.5	-1.50	-3.04	40.81	196.8	
		0.00	0.00	-0.1	1.3	1.3	53.16	3.91	-8.53	-	
004	B	0.00	0.00	2.0	-6.6	-3.6	-1.76	-3.56	40.08	193.7	
		0.00	0.00	0.0	1.2	2.3	53.95	15.16	-8.53	-	
005	B	0.00	0.00	1.5	-6.5	-3.7	-2.06	-4.06	38.50	187.1	
		0.00	0.00	0.0	1.1	3.3	55.63	26.31	-8.53	-	
005	B	0.00	0.00	1.5	-6.5	-3.7	-2.06	-4.06	38.50	187.1	
		0.00	0.00	0.0	1.1	3.3	55.63	26.31	-8.53	-	
006	B	0.00	0.00	1.1	-6.3	-3.8	-2.40	-4.54	36.08	177.1	
		0.00	0.00	0.0	1.0	4.2	58.20	37.29	-8.53	-	
007	B	0.00	0.00	0.7	-6.1	-3.8	-2.77	-4.99	32.83	163.9	
		0.00	0.00	0.0	0.9	5.1	61.62	48.03	-8.53	-	
008	B	0.00	0.00	0.4	-5.7	-3.9	-3.18	-5.40	28.77	147.6	
		0.00	0.00	0.0	0.8	5.8	65.89	58.46	-8.53	-	
009	B	0.00	0.00	0.1	-5.2	-3.9	-3.62	-5.78	23.94	128.7	
		0.00	0.00	-0.1	0.6	6.5	70.97	68.51	-8.53	-	
010	B	0.00	0.00	-0.2	-4.7	-4.0	-4.09	-6.13	18.35	107.8	
		0.00	0.00	-0.2	0.5	7.0	76.83	78.13	-8.53	-	
Line 2 Section 11									B0060 TT02		
000	G	0.00	0.00	-0.2	-4.0	4.7	-4.09	18.35	6.13	52.1	
		0.00	0.00	-0.2	7.0	-0.5	76.83	-8.53	-78.13	-	
001	G	0.00	0.00	-0.2	-4.0	4.4	-4.09	14.79	6.52	48.1	
		0.00	0.00	-0.2	7.0	-0.5	76.90	-8.53	-78.19	-	
002	G	0.00	0.00	-0.1	-4.0	4.1	-4.09	11.22	6.91	44.5	
		0.00	0.00	-0.2	7.1	-0.5	76.96	-8.53	-78.25	-	
004	T	0.00	0.00	-0.1	-4.0	4.1	-4.09	11.22	6.91	0.0	
		0.00	0.00	-0.2	10.5	0.2	76.96	-8.53	-78.25	-	
005	T	0.00	0.00	0.4	-4.0	0.3	-4.09	-16.60	9.94	0.0	
		0.00	0.00	-0.2	10.5	0.2	-117.92	-8.53	-78.25	-	
006	T	0.00	0.00	-4.0	-0.4	0.3	-16.60	4.09	9.94	0.0	
		0.00	0.00	10.5	0.2	0.2	-8.53	117.92	-78.25	-	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
007	T	0.00	0.00	-4.0	-0.5	0.0	-16.60	-4.14	9.92	0.0
		0.00	0.00	10.5	0.0	0.2	-8.53	138.71	28.04	-
Line 3 Section 1									C0010	C0020
000	G	24.07	0.00	-44.2	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	194.88	0.00	0.00	24.6
001	G	24.07	0.00	-43.5	0.0	0.0	0.00	0.00	0.00	43.3
		0.00	0.00	0.0	0.0	0.0	182.77	0.00	0.00	23.1
002	G	24.07	0.00	-42.8	0.0	0.0	0.00	0.00	0.00	43.4
		0.00	0.00	0.0	0.0	0.0	170.65	0.00	0.00	21.6
003	G	24.07	0.00	-42.1	0.0	0.0	0.00	0.00	0.00	43.6
		0.00	0.00	0.0	0.0	0.0	158.54	0.00	0.00	20.0
004	G	24.07	0.00	-41.4	0.0	0.0	0.00	0.00	0.00	43.8
		0.00	0.00	0.0	0.0	0.0	146.43	0.00	0.00	18.5
005	G	24.07	0.00	-40.7	0.0	0.0	0.00	0.00	0.00	44.0
		0.00	0.00	0.0	0.0	0.0	134.32	0.00	0.00	17.0
006	G	24.07	0.00	-40.0	0.0	0.0	0.00	0.00	0.00	44.4
		0.00	0.00	0.0	0.0	0.0	122.21	0.00	0.00	15.4
007	G	24.07	0.00	-39.4	0.0	0.0	0.00	0.00	0.00	44.7
		0.00	0.00	0.0	0.0	0.0	110.10	0.00	0.00	13.9
008	G	24.07	0.00	-38.7	0.0	0.0	0.00	0.00	0.00	45.1
		0.00	0.00	0.0	0.0	0.0	97.99	0.00	0.00	12.4
009	G	24.07	0.00	-38.0	0.0	0.0	0.00	0.00	0.00	45.6
		0.00	0.00	0.0	0.0	0.0	85.87	0.00	0.00	10.8
010	G	24.07	0.00	-37.3	0.0	0.0	0.00	0.00	0.00	46.1
		0.00	0.00	0.0	0.0	0.0	73.76	0.00	0.00	9.3
011	G	24.07	0.00	-36.7	0.0	0.0	0.00	0.00	0.00	46.6
		0.00	0.00	0.0	0.0	0.0	61.65	0.00	0.00	7.8
012	G	24.07	0.00	-36.0	0.0	0.0	0.00	0.00	0.00	47.2
		0.00	0.00	0.0	0.0	0.0	49.54	0.00	0.00	6.3
013	G	24.07	0.00	-35.3	0.0	0.0	0.00	0.00	0.00	47.8
		0.00	0.00	0.0	0.0	0.0	37.43	0.00	0.00	4.7
014	G	24.07	0.00	-34.7	0.0	0.0	-0.01	0.00	0.00	48.5
		0.00	0.00	0.0	0.0	0.0	25.32	0.00	0.00	3.2
015	G	24.07	0.00	-34.0	0.0	0.0	-0.01	0.00	0.00	49.2
		0.00	0.00	0.0	0.0	0.0	13.21	0.00	0.00	1.7
016	G	24.07	0.00	-33.4	0.0	0.0	-0.01	0.00	0.00	49.9
		0.00	0.00	0.0	0.0	0.0	1.09	0.00	0.00	0.1
Line 3 Section 2									C0020	C0030
000	G	24.07	0.00	-33.4	0.0	0.0	-0.01	0.00	0.00	49.9
		0.00	0.00	0.0	0.0	0.0	1.09	0.00	0.00	0.1
001	G	23.49	0.00	-32.7	0.0	0.0	-0.01	0.00	0.00	50.7
		0.00	0.00	0.0	0.0	0.0	-10.84	0.00	0.00	-1.4
002	G	22.90	0.00	-32.1	0.0	0.0	-0.01	0.00	0.00	51.5
		0.00	0.00	0.0	0.0	0.0	-22.48	0.00	0.00	-2.8
003	G	22.32	0.00	-31.5	0.0	0.0	-0.01	0.00	0.00	52.3
		0.00	0.00	0.0	0.0	0.0	-33.83	0.00	0.00	-4.3
004	G	21.73	0.00	-30.8	0.0	0.0	-0.01	0.00	0.00	53.1
		0.00	0.00	0.0	0.0	0.0	-44.88	0.00	0.00	-5.7
005	G	21.15	0.00	-30.2	0.0	0.0	-0.01	0.00	0.00	53.9
		0.00	0.00	0.0	0.0	0.0	-55.64	0.00	0.00	-7.0
006	G	20.56	0.00	-29.6	0.0	0.0	-0.01	0.00	0.00	54.7
		0.00	0.00	0.0	0.0	0.0	-66.11	0.00	0.00	-8.3
007	G	19.98	0.00	-29.0	0.0	0.0	-0.01	0.00	0.00	55.5
		0.00	0.00	0.0	0.0	0.0	-76.28	0.00	0.00	-9.6
008	G	19.39	0.00	-28.3	0.0	0.0	-0.01	0.00	0.00	56.2
		0.00	0.00	0.0	0.0	0.0	-86.16	0.00	0.00	-10.9
009	G	18.81	0.00	-27.7	0.0	0.0	-0.01	0.00	0.00	57.0
		0.00	0.00	0.0	0.0	0.0	-95.75	0.00	0.00	-12.1
010	G	18.22	0.00	-27.1	0.0	0.0	-0.01	0.00	0.00	57.8
		0.00	0.00	0.0	0.0	0.0	-105.04	0.00	0.00	-13.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
011	G	17.64	0.00	-26.5	0.0	0.0	-0.01	0.00	0.00	58.6
		0.00	0.00	0.0	0.0	0.0	-114.04	0.00	0.00	-14.4
012	G	17.05	0.00	-25.9	0.0	0.0	-0.01	0.00	0.00	59.3
		0.00	0.00	0.0	0.0	0.0	-122.75	0.00	0.00	-15.5
013	G	16.47	0.00	-25.3	0.0	0.0	-0.01	0.00	0.00	60.0
		0.00	0.00	0.0	0.0	0.0	-131.16	0.00	0.00	-16.6
014	G	15.88	0.00	-24.7	0.0	0.0	-0.01	0.00	0.00	60.7
		0.00	0.00	0.0	0.0	0.0	-139.28	0.00	0.00	-17.6
015	G	15.30	0.00	-24.1	0.0	0.0	-0.01	0.00	0.00	61.4
		0.00	0.00	0.0	0.0	0.0	-147.10	0.00	0.00	-18.6
016	G	14.71	0.00	-23.5	0.0	0.0	-0.01	0.00	0.00	62.1
		0.00	0.00	0.0	0.0	0.0	-154.63	0.00	0.00	-19.5
017	G	14.13	0.00	-22.9	0.0	0.0	-0.01	0.00	0.00	62.8
		0.00	0.00	0.0	0.0	0.0	-161.87	0.00	0.00	-20.4
018	G	13.54	0.00	-22.3	0.0	0.0	-0.01	0.00	0.00	63.4
		0.00	0.00	0.0	0.0	0.0	-168.82	0.00	0.00	-21.3
019	G	12.96	0.00	-21.7	0.0	0.0	-0.02	0.00	0.00	64.0
		0.00	0.00	0.0	0.0	0.0	-175.47	0.00	0.00	-22.2
020	G	12.37	0.00	-21.1	0.0	0.0	-0.02	0.00	0.00	64.6
		0.00	0.00	0.0	0.0	0.0	-181.82	0.00	0.00	-23.0
021	G	11.79	0.00	-20.5	0.0	0.0	-0.02	0.01	0.00	65.2
		0.00	0.00	0.0	0.0	0.0	-187.89	0.00	0.00	-23.7
022	G	11.20	0.00	-19.9	0.0	0.0	-0.02	0.01	0.00	65.7
		0.00	0.00	0.0	0.0	0.0	-193.66	0.00	0.00	-24.5
023	G	10.62	0.00	-19.4	0.0	0.0	-0.02	0.01	0.00	66.3
		0.00	0.00	0.0	0.0	0.0	-199.13	0.00	0.00	-25.1
024	G	10.04	0.00	-18.8	0.0	0.0	-0.02	0.01	0.00	66.8
		0.00	0.01	0.0	0.0	0.0	-204.32	0.00	0.00	-25.8
025	G	9.45	0.00	-18.2	0.0	0.0	-0.02	0.00	0.00	67.2
		0.00	0.01	0.0	0.0	0.0	-209.21	0.00	-0.01	-26.4
026	G	8.87	0.00	-17.6	0.0	0.0	-0.02	0.00	0.00	67.7
		0.00	0.01	0.0	0.0	0.0	-213.80	0.00	-0.01	-27.0
027	G	8.28	0.00	-17.0	0.0	0.0	-0.02	-0.01	0.00	68.1
		0.00	0.01	0.0	0.0	0.0	-218.11	0.00	-0.02	-27.5
028	G	7.70	0.00	-16.5	0.0	0.0	-0.02	-0.02	0.00	68.5
		0.00	0.01	0.0	0.0	0.0	-222.12	0.00	-0.02	-28.0
029	G	7.11	0.00	-15.9	0.0	0.0	-0.02	-0.03	0.00	68.9
		0.00	0.01	0.0	0.0	0.0	-225.83	0.00	-0.03	-28.5
030	G	6.53	0.00	-15.3	0.0	0.0	-0.02	-0.05	0.00	69.2
		0.00	0.01	0.0	0.0	0.0	-229.26	0.00	-0.04	-29.0
031	G	5.94	0.00	-14.7	0.0	0.0	-0.02	-0.06	0.00	69.6
		0.00	0.01	0.0	0.0	0.0	-232.39	0.00	-0.04	-29.3
032	G	5.35	0.00	-14.2	0.0	0.0	-0.02	-0.09	0.00	69.9
		0.00	0.00	0.0	0.0	0.0	-235.22	0.00	-0.04	-29.7
033	G	4.77	0.00	-13.6	0.0	0.0	-0.02	-0.11	0.00	70.1
		0.00	0.01	0.0	0.0	0.0	-237.76	0.00	-0.04	-30.0
034	G	4.19	0.00	-13.0	0.0	0.0	-0.02	-0.13	0.00	70.4
		0.00	0.03	0.0	0.0	0.0	-240.01	0.00	-0.03	-30.3
035	G	3.62	0.00	-12.4	0.0	0.0	-0.02	-0.14	0.00	70.6
		0.00	0.05	0.0	0.0	0.0	-241.97	0.00	-0.01	-30.6
036	G	3.05	0.00	-11.9	0.0	0.0	-0.02	-0.14	0.00	70.8
		0.00	0.08	0.0	0.0	0.0	-243.65	0.00	0.02	-30.8
037	G	2.48	0.00	-11.3	0.0	0.0	-0.02	-0.12	0.00	71.0
		0.00	0.12	0.0	0.0	0.0	-245.03	0.00	0.07	-30.9
Line 3	Section 3								C0030 C0032	
000	G	2.48	0.00	-11.3	0.0	0.0	-0.02	-0.12	0.00	71.0
		0.00	0.13	0.0	0.0	0.0	-245.03	0.00	0.07	-30.9
001	G	3.58	0.00	-10.7	0.0	0.0	-0.02	-0.07	0.00	71.1
		0.00	0.18	0.0	0.0	0.0	-246.56	0.00	0.15	-31.1
002	G	4.69	0.00	-10.2	0.0	0.0	-0.02	0.02	0.00	71.3
		0.00	0.24	0.0	0.0	0.0	-248.63	0.00	0.25	-31.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	5.79	0.00	-9.6	0.0	0.0	-0.02	0.18	0.00	71.8
		0.00	0.30	0.0	0.0	0.0	-251.27	0.00	0.39	-31.7
004	G	6.90	0.00	-9.0	0.0	0.0	-0.02	0.41	0.00	72.4
		0.00	0.34	0.0	0.0	0.0	-254.46	0.00	0.55	-32.1
005	G	7.99	0.00	-8.5	0.0	0.0	-0.02	0.73	0.00	73.1
		0.00	0.36	0.0	0.0	0.0	-258.20	0.00	0.73	-32.6
006	G	9.06	0.00	-7.9	0.0	0.0	-0.03	1.15	0.01	74.0
		0.00	0.34	0.0	0.0	0.0	-262.48	-0.01	0.90	-33.1
007	G	10.10	0.00	-7.3	0.0	0.0	-0.03	1.64	0.01	74.9
		0.00	0.24	0.0	0.0	0.0	-267.29	-0.01	1.05	-33.8
008	G	11.10	0.00	-6.8	0.0	0.0	-0.03	2.20	0.01	75.9
		0.00	0.03	0.0	0.1	0.0	-272.62	-0.01	1.11	-34.4
009	G	12.30	0.00	-6.2	0.0	0.0	-0.03	2.76	0.02	77.3
		0.00	0.33	0.0	0.1	0.0	-278.49	-0.01	1.04	-35.2
010	G	13.60	0.00	-5.6	0.0	-0.1	-0.03	3.24	0.02	78.8
		0.01	0.87	0.0	0.1	0.0	-285.00	0.00	0.74	-36.0
011	G	14.99	-0.01	-5.1	0.0	-0.2	-0.04	3.50	0.02	80.4
		0.01	1.63	0.0	0.2	0.0	-292.18	0.00	0.11	-36.9
012	G	16.47	-0.01	-4.5	0.0	-0.3	-0.04	3.35	0.02	81.7
		0.01	2.62	0.0	0.3	0.0	-300.09	0.01	-0.96	-37.9
013	G	18.05	-0.02	-4.0	0.0	-0.4	-0.05	2.54	0.01	82.6
		0.01	3.85	0.0	0.3	0.0	-308.76	0.01	-2.58	-39.0
014	G	19.69	-0.03	-3.4	0.0	-0.6	-0.05	0.76	0.00	82.7
		0.01	5.26	0.0	0.3	0.0	-318.24	0.03	-4.87	-40.2
015	G	21.36	-0.04	-2.9	0.0	-0.8	-0.06	-2.36	-0.01	86.5
		0.02	6.72	0.0	0.3	0.0	-328.56	0.04	-7.88	-41.5
016	G	22.97	-0.05	-2.3	0.0	-0.9	-0.07	-7.16	-0.04	93.8
		0.03	8.01	0.0	0.2	0.0	-339.70	0.07	-11.58	-42.9
017	G	24.37	-0.05	-1.8	0.0	-1.0	-0.09	-13.99	-0.08	103.2
		0.04	8.81	0.0	0.1	0.0	-351.59	0.09	-15.81	-44.4
018	G	25.38	-0.05	-1.3	0.0	-1.0	-0.11	-23.05	-0.13	114.8
		0.06	8.62	0.0	-0.2	0.0	-364.09	0.12	-20.18	-46.0
019	G	17.00	-0.04	-0.7	0.0	-0.8	-0.15	-34.28	-0.20	128.1
		0.07	6.81	0.0	-0.6	0.0	-374.73	0.14	-24.06	-47.3
020	G	5.07	-0.01	-0.2	0.0	-0.3	-0.19	-47.23	-0.27	141.9
		0.08	2.57	0.0	-1.3	0.0	-380.28	0.15	-26.41	-48.0
Line 3	Section 4								C0032 NN0007	
000	G	0.17	0.00	-0.2	0.0	-0.3	-0.19	-47.23	-0.27	140.5
		0.00	0.06	0.0	-1.3	0.0	-380.28	0.15	-26.41	-48.0
001	G	0.08	0.00	-0.1	0.0	-0.1	-0.19	-49.87	-0.28	143.7
		0.00	0.03	-0.1	-1.4	0.0	-380.29	0.15	-26.42	-48.0
Line 3	Section 5								NN0007 GNA-4	
000	G	0.00	0.00	-0.1	0.0	-0.1	-0.19	-49.87	-0.28	92.6
		0.00	0.00	-0.1	-1.4	0.0	-380.29	0.15	-26.42	-
001	G	0.00	0.00	-0.1	0.0	-0.1	-0.19	-51.19	-0.29	94.4
		0.00	0.00	-0.1	-1.5	0.0	-380.29	0.15	-26.52	-
002	G	0.00	0.00	0.0	0.0	0.0	-0.19	-52.52	-0.30	96.2
		0.00	0.00	-0.1	-1.6	0.0	-380.29	0.15	-26.62	-
Line 3	Section 6								GNA-4 C0035	
000	G	0.00	0.00	0.0	0.0	0.0	-0.19	-52.52	-0.30	96.2
		0.00	0.00	-0.1	-1.6	0.0	-4.36	-0.08	35.94	-
001	G	0.00	0.00	0.1	0.0	0.1	-0.19	-50.73	-0.30	93.7
		0.00	0.00	-0.1	-1.7	0.0	-4.36	-0.08	35.85	-
002	G	0.00	0.00	0.1	0.0	0.2	-0.19	-48.94	-0.29	91.3
		0.00	0.00	-0.1	-1.7	0.0	-4.36	-0.08	35.75	-
Line 3	Section 7								C0035 C0040	
000	G	-0.10	0.00	0.1	0.0	0.2	-0.19	-48.94	-0.29	98.4
		0.00	0.03	-0.1	-1.7	0.0	-4.36	-0.08	35.75	-0.6
001	G	-0.20	0.00	0.3	0.0	0.3	-0.19	-45.36	-0.28	94.3
		0.00	0.07	-0.1	-1.9	0.0	-4.34	-0.08	35.75	-0.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 3 Section 8									C0040	C0045
000	G	-6.17	0.00	0.3	0.0	0.3	-0.19	-45.36	-0.28	94.9
		0.09	0.74	-0.1	-1.9	0.0	-4.34	-0.08	35.75	-0.5
001	G	-21.57	0.02	0.9	0.0	1.4	-0.23	-27.39	-0.25	75.9
		0.09	2.28	-0.1	-2.4	0.0	2.59	-0.08	36.51	0.3
002	G	-25.17	0.04	1.5	0.0	2.7	-0.27	-8.85	-0.20	58.0
		0.07	2.71	-0.1	-2.7	0.0	14.28	-0.09	37.76	1.8
Line 3 Section 9									C0045	C0050
000	G	0.00	0.00	1.5	0.0	2.7	-0.27	-8.85	-0.20	37.9
		0.00	0.00	-0.1	-2.7	0.0	14.28	-0.09	37.76	-
001	G	0.00	0.00	1.6	0.0	2.9	-0.27	-6.97	-0.20	35.6
		0.00	0.00	-0.1	-2.7	0.0	14.28	-0.09	37.66	-
002	G	0.00	0.00	1.7	0.0	3.0	-0.27	-5.09	-0.19	33.4
		0.00	0.00	-0.1	-2.7	0.0	14.28	-0.09	37.56	-
Line 3 Section 10									C0050	C0060
000	G	0.00	0.00	1.7	0.0	3.0	-0.27	-5.09	-0.19	33.4
		0.00	0.00	-0.1	-2.7	0.0	14.28	-0.09	37.56	-
001	G	0.00	0.00	2.6	0.0	4.9	-0.27	20.69	-0.13	54.8
		0.00	0.00	-0.1	-2.6	0.0	14.28	-0.09	36.18	-
002	G	0.00	0.00	3.5	0.0	6.4	-0.27	45.50	-0.06	86.9
		0.00	0.00	-0.1	-1.8	0.0	14.28	-0.09	34.80	-
000	B	0.00	0.00	3.5	-6.4	0.0	-0.27	0.06	45.50	216.1
		0.00	0.00	-0.1	0.0	-1.8	14.28	-34.80	-0.09	-
001	B	0.00	0.00	3.1	-6.8	-0.1	-0.27	0.08	47.60	224.4
		0.00	0.00	-0.1	0.0	-0.7	12.11	-20.37	-0.09	-
002	B	0.00	0.00	2.6	-7.0	-0.1	-0.26	0.09	48.59	228.2
		0.00	0.00	-0.1	0.0	0.5	11.10	-5.82	-0.09	-
003	B	0.00	0.00	2.2	-7.1	-0.1	-0.25	0.10	48.48	227.3
		0.00	0.00	-0.1	0.1	1.7	11.25	8.77	-0.09	-
004	B	0.00	0.00	1.7	-7.1	-0.1	-0.24	0.11	47.26	221.9
		0.00	0.00	-0.1	0.1	2.9	12.55	23.29	-0.09	-
005	B	0.00	0.00	1.2	-6.9	-0.1	-0.23	0.13	44.94	211.9
		0.00	0.00	-0.1	0.1	4.1	15.00	37.66	-0.09	-
005	B	0.00	0.00	1.2	-6.9	-0.1	-0.23	0.13	44.94	211.9
		0.00	0.00	-0.1	0.1	4.1	15.00	37.66	-0.09	-
006	B	0.00	0.00	0.8	-6.7	-0.1	-0.22	0.14	41.53	197.5
		0.00	0.00	-0.1	0.1	5.2	18.57	51.79	-0.09	-
007	B	0.00	0.00	0.4	-6.3	-0.1	-0.21	0.15	37.06	178.7
		0.00	0.00	-0.1	0.1	6.2	23.26	65.59	-0.09	-
008	B	0.00	0.00	0.0	-5.8	-0.1	-0.20	0.16	31.56	155.6
		0.00	0.00	-0.1	0.1	7.0	29.02	78.98	-0.09	-
009	B	0.00	0.00	-0.3	-5.2	-0.1	-0.19	0.16	25.05	128.4
		0.00	0.00	-0.1	0.1	7.7	35.83	91.86	-0.09	-
010	B	0.00	0.00	-0.6	-4.6	-0.1	-0.18	0.17	17.59	97.2
		0.00	0.00	-0.1	0.1	8.3	43.63	104.16	-0.09	-
Line 3 Section 11									C0060	TT03
000	G	0.00	0.00	-0.6	-0.1	4.6	-0.18	17.59	-0.17	48.5
		0.00	0.00	-0.1	8.3	-0.1	43.63	-0.09	-104.16	-
001	G	0.00	0.00	-0.5	-0.1	4.2	-0.18	12.83	-0.17	42.4
		0.00	0.00	-0.1	8.3	-0.1	43.70	-0.09	-104.23	-
002	G	0.00	0.00	-0.5	-0.1	3.8	-0.18	8.08	-0.16	36.5
		0.00	0.00	-0.1	8.3	-0.1	43.76	-0.09	-104.29	-
004	T	0.00	0.00	-0.5	-0.2	3.8	-0.18	8.08	-0.06	0.0
		0.00	0.00	-0.1	10.8	0.0	43.76	1.19	-104.28	-
005	T	0.00	0.00	0.0	-0.2	0.0	-0.18	-29.00	-0.49	0.0
		0.00	0.00	-0.1	10.8	0.0	-151.12	1.19	-104.28	-
006	T	0.00	0.00	-0.2	0.0	0.0	-28.99	0.53	-0.49	0.0
		0.00	0.00	10.8	0.0	0.0	3.06	151.09	-104.28	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
007	T	0.00	0.00	-0.2	0.0	0.0	-28.99	0.72	0.03	0.0
		0.00	0.00	10.8	0.0	-0.1	3.06	180.58	33.11	-
Line 4 Section 1									D0010	D0012
000	G	31.71	5.63	-13.7	-1.3	0.0	0.00	0.00	0.00	62.5
		0.01	0.02	0.0	0.0	-0.4	606.99	0.00	0.00	34.4
001	G	32.08	6.53	-13.0	-1.5	0.0	0.00	0.00	0.72	63.0
		0.01	0.03	0.0	0.0	-0.4	590.85	-3.08	-0.01	33.4
002	G	32.44	7.42	-12.3	-1.7	0.0	-0.01	-0.01	3.11	63.4
		0.01	0.03	0.0	0.0	-0.4	574.53	-6.60	-0.03	32.5
003	G	32.79	8.29	-11.6	-1.9	0.0	-0.01	-0.03	7.40	64.1
		0.01	0.03	0.0	0.0	-0.4	558.02	-10.58	-0.04	31.6
004	G	33.13	9.13	-10.8	-2.1	0.0	-0.01	-0.05	13.82	64.9
		0.01	0.03	0.0	0.0	-0.4	541.35	-14.98	-0.05	30.6
005	G	33.44	9.89	-10.1	-2.3	0.0	-0.02	-0.08	22.57	65.9
		0.01	0.03	0.0	0.0	-0.3	524.50	-19.79	-0.07	29.7
006	G	33.71	10.55	-9.4	-2.5	0.0	-0.02	-0.12	33.85	67.4
		0.01	0.03	0.0	0.0	-0.3	507.51	-24.97	-0.08	28.7
007	G	33.91	11.04	-8.7	-2.6	0.0	-0.03	-0.17	47.83	69.5
		0.01	0.03	0.0	0.0	-0.2	490.41	-30.43	-0.10	27.8
008	G	34.02	11.29	-8.0	-2.6	0.0	-0.04	-0.22	64.64	72.2
		0.01	0.03	0.0	0.0	-0.1	473.22	-36.08	-0.11	26.8
009	G	34.00	11.23	-7.3	-2.6	0.0	-0.04	-0.28	84.34	75.7
		0.01	0.02	0.0	0.0	0.1	456.02	-41.77	-0.12	25.8
010	G	33.81	10.75	-6.6	-2.5	0.0	-0.05	-0.34	106.91	80.1
		0.01	0.02	0.0	0.0	0.3	438.86	-47.33	-0.13	24.8
011	G	33.42	9.75	-5.9	-2.3	0.0	-0.06	-0.41	132.24	85.4
		0.02	0.01	0.0	0.0	0.6	421.85	-52.52	-0.14	23.9
012	G	32.77	8.11	-5.2	-1.9	0.0	-0.07	-0.48	160.06	91.5
		0.02	0.01	0.0	0.0	0.9	405.11	-57.04	-0.15	22.9
013	G	31.81	5.69	-4.5	-1.3	0.0	-0.08	-0.56	189.96	98.4
		0.02	0.00	0.0	0.0	1.3	388.77	-60.53	-0.15	22.0
014	G	30.48	2.33	-3.9	-0.5	0.0	-0.09	-0.63	221.32	105.7
		0.02	0.02	0.0	0.0	1.8	373.01	-62.56	-0.14	21.1
015	G	30.39	-2.10	-3.2	0.5	0.0	-0.10	-0.70	253.27	115.2
		0.03	0.03	0.0	0.0	2.3	357.61	-62.62	-0.13	20.2
016	G	32.72	-7.77	-2.5	1.8	0.0	-0.12	-0.76	284.68	127.4
		0.04	0.05	0.0	0.0	2.9	341.64	-60.12	-0.11	19.3
017	G	35.63	-14.80	-1.8	3.4	0.0	-0.14	-0.81	314.11	140.0
		0.06	0.07	0.0	0.0	3.6	324.35	-54.41	-0.08	18.4
018	G	33.58	-23.33	-1.1	5.4	0.0	-0.19	-0.84	339.75	152.2
		0.10	0.10	0.0	0.0	4.3	306.84	-44.76	-0.03	17.4
019	G	13.84	-33.45	-0.5	7.8	0.0	-0.24	-0.84	359.41	163.2
		0.10	0.13	0.0	0.0	5.1	294.84	-30.40	0.03	16.7
020	G	-5.81	-45.24	0.2	10.6	0.0	-0.29	-0.81	370.51	172.1
		0.11	0.17	0.0	0.0	5.9	292.81	-10.49	0.10	16.6
Line 4 Section 2									D0012	D0015
000	G	-5.81	-9.14	0.2	10.6	0.0	-0.29	-0.81	370.51	155.4
		0.11	0.14	0.0	0.0	5.9	292.81	-10.49	0.10	16.6
001	G	-25.17	-11.07	0.9	13.8	0.0	-0.34	-0.74	374.61	157.0
		0.11	0.18	0.0	0.0	6.7	300.56	-5.43	0.18	17.0
002	G	-34.73	-13.80	1.5	17.3	0.1	-0.39	-0.63	375.94	157.9
		0.09	0.21	0.0	0.0	7.6	315.54	0.78	0.28	17.9
003	G	-36.91	-19.00	2.2	21.3	0.1	-0.43	-0.47	373.82	158.7
		0.07	0.25	0.0	0.0	8.4	333.45	8.99	0.39	18.9
004	G	-42.17	-31.99	2.8	25.7	0.1	-0.47	-0.24	366.95	161.7
		0.07	0.29	0.0	0.0	9.2	353.22	21.73	0.53	20.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 3									D0015 D0017	
000	G	-33.58	-10.50	2.8	25.7	0.1	-0.47	-0.24	366.95	151.8
		0.05	0.27	0.0	0.0	9.2	353.22	21.73	0.53	20.0
001	G	-34.26	-12.11	3.5	30.5	0.1	-0.49	0.06	354.77	148.1
		0.05	0.31	0.0	0.0	10.0	370.18	27.39	0.67	21.0
002	G	-35.18	-14.32	4.1	35.7	0.1	-0.52	0.44	339.57	143.8
		0.04	0.35	0.0	0.0	10.8	387.54	33.99	0.84	21.9
003	G	-36.63	-17.85	4.8	41.3	0.1	-0.54	0.90	320.78	139.2
		0.04	0.38	0.0	0.0	11.5	405.49	42.03	1.02	23.0
004	G	-39.26	-24.33	5.4	47.2	0.1	-0.56	1.46	297.53	134.9
		0.04	0.41	0.0	0.0	12.2	424.47	52.58	1.22	24.0
005	G	-44.40	-37.07	6.1	53.5	0.1	-0.58	2.12	268.20	132.3
		0.04	0.44	0.0	0.0	12.8	445.38	67.93	1.43	25.2
006	G	-54.62	-62.42	6.7	60.0	0.1	-0.60	2.89	229.60	134.6
		0.05	0.46	0.0	0.0	13.4	470.14	92.81	1.66	26.6
Line 4 Section 4									D0017 D0020	
000	G	-36.30	-16.88	6.7	60.0	0.1	-0.60	2.89	229.60	110.8
		0.03	0.45	0.0	0.0	13.4	470.14	92.81	1.66	26.6
001	G	-37.91	-20.86	7.4	66.7	0.1	-0.62	3.76	181.86	100.4
		0.03	0.46	0.0	0.0	13.8	488.41	102.10	1.88	27.6
002	G	-40.51	-27.30	8.0	73.6	0.1	-0.64	4.74	129.06	91.8
		0.04	0.45	0.0	0.0	14.2	507.72	113.96	2.11	28.7
003	G	-44.76	-37.87	8.6	80.6	0.1	-0.66	5.83	69.63	86.9
		0.04	0.43	0.0	0.0	14.4	528.71	130.00	2.32	29.9
004	G	-51.66	-55.00	9.3	87.7	0.1	-0.68	7.03	1.03	88.9
		0.04	0.38	0.0	0.0	14.4	552.45	152.87	2.52	31.3
000	B	-51.66	55.00	9.3	-87.7	-0.1	-0.68	-7.03	-1.03	99.3
		0.04	0.38	0.0	0.0	-14.4	552.45	-152.87	-2.52	31.3
001	B	55.35	64.04	-4.2	-90.5	-0.1	-1.80	-7.26	23.95	128.4
		0.21	0.33	-0.1	-0.1	-14.2	528.67	-153.03	-2.58	29.9
002	B	56.13	66.17	-17.9	-91.1	-0.1	-2.95	-7.32	48.67	159.6
		0.10	0.22	-0.2	-0.3	-13.6	496.33	-149.13	-2.63	28.1
003	B	53.70	60.30	-31.6	-89.4	0.0	-4.08	-7.21	72.38	189.0
		0.10	0.06	-0.3	-0.3	-12.6	465.08	-140.00	-2.65	26.3
004	B	49.04	48.65	-44.8	-85.5	0.0	-5.18	-6.93	94.14	214.3
		0.10	0.15	-0.5	-0.4	-11.1	436.25	-124.81	-2.64	24.7
005	B	43.81	35.46	-57.3	-79.3	0.1	-6.23	-6.48	112.91	234.8
		0.10	0.39	-0.6	-0.4	-9.4	411.03	-103.42	-2.60	23.3
005	B	43.81	35.46	-57.3	-79.3	0.1	-6.23	-6.48	112.91	234.8
		0.10	0.39	-0.6	-0.4	-9.4	411.03	-103.42	-2.60	23.3
006	B	39.48	24.48	-68.6	-71.0	0.2	-7.20	-5.87	127.71	250.7
		0.10	0.63	-0.9	-0.4	-7.3	390.31	-76.54	-2.51	22.1
007	B	36.64	17.19	-78.5	-60.7	0.3	-8.06	-5.10	137.74	261.6
		0.10	0.86	-1.1	-0.4	-5.0	374.67	-45.37	-2.39	21.2
008	B	34.95	12.82	-86.7	-48.6	0.3	-8.79	-4.18	142.41	266.1
		0.11	1.04	-1.3	-0.3	-2.6	364.44	-11.27	-2.24	20.6
009	B	33.76	9.76	-92.9	-35.0	0.3	-9.38	-3.14	141.34	263.2
		0.12	1.15	-1.6	-0.1	-0.1	359.84	24.57	-2.06	20.4
010	B	32.63	6.93	-96.9	-20.2	0.3	-9.79	-1.98	134.34	252.0
		0.12	1.15	-1.8	0.1	2.2	361.00	61.16	-1.87	20.4
Line 4 Section 5									D0020 NN0006	
000	G	32.63	-6.93	-96.9	20.2	-0.3	-9.79	1.98	-134.34	86.9
		0.12	1.15	-1.8	-0.1	-2.2	361.00	-61.16	1.87	20.4
001	G	32.48	-6.71	-96.3	19.0	-0.3	-9.85	2.77	-105.06	81.2
		0.12	0.99	-1.8	-0.1	-2.5	344.97	-57.80	1.34	19.5
002	G	32.32	-6.47	-95.6	17.7	-0.2	-9.91	3.31	-77.42	76.3
		0.13	0.83	-1.8	-0.1	-2.7	329.02	-54.56	0.89	18.6
003	G	32.16	-6.21	-95.0	16.4	-0.2	-9.97	3.65	-51.34	72.2
		0.13	0.69	-1.9	-0.1	-2.8	313.14	-51.44	0.52	17.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	32.00 0.13	-5.95 0.56	-94.3 -1.9	14.9 -0.1	-0.2 -2.9	-10.04 297.35	3.82 -48.44	-26.76 0.21	68.9 16.8
Line 4 Section 6									NN0006	D0021
000	G	32.57 0.13	-7.35 0.57	-94.3 -1.9	14.9 -0.1	-0.2 -2.9	-10.04 297.35	3.82 -48.44	-26.76 0.21	69.7 16.8
001	G	32.35 0.14	-6.93 0.45	-93.6 -1.9	13.5 -0.1	-0.1 -3.0	-10.10 281.12	3.85 -44.87	-3.46 -0.04	67.2 15.9
002	G	32.14 0.14	-6.52 0.34	-93.0 -2.0	12.0 -0.1	-0.1 -2.9	-10.17 265.00	3.78 -41.51	18.11 -0.24	69.0 15.0
003	G	31.94 0.14	-6.11 0.25	-92.3 -2.0	10.5 -0.1	-0.1 -2.9	-10.24 248.98	3.61 -38.35	38.05 -0.39	72.0 14.1
004	G	31.74 0.14	-5.71 0.17	-91.7 -2.0	9.1 0.0	0.0 -2.8	-10.31 233.06	3.38 -35.40	56.46 -0.50	75.4 13.2
005	G	31.56 0.14	-5.33 0.10	-91.0 -2.0	7.8 0.0	0.0 -2.6	-10.38 217.23	3.11 -32.64	73.45 -0.57	78.9 12.3
006	G	31.40 0.15	-4.97 0.05	-90.3 -2.1	6.5 0.0	0.0 -2.5	-10.46 201.49	2.82 -30.07	89.11 -0.60	82.5 11.4
Line 4 Section 7									D0021	D0022
000	G	40.56 0.19	-27.79 0.06	-90.3 -2.1	6.5 0.0	0.0 -2.5	-10.46 201.49	2.82 -30.07	89.11 -0.60	95.0 11.4
001	G	38.53 0.18	-22.77 0.00	-89.7 -2.1	5.3 0.0	0.0 -2.2	-10.55 181.70	2.51 -17.42	100.67 -0.62	95.5 10.3
002	G	36.72 0.18	-18.22 0.04	-89.0 -2.1	4.2 0.0	0.0 -2.0	-10.64 162.87	2.19 -7.16	106.54 -0.61	95.0 9.2
003	G	35.10 0.17	-14.16 0.07	-88.4 -2.2	3.3 0.0	0.0 -1.8	-10.73 144.89	1.89 0.95	107.84 -0.58	93.8 8.2
004	G	33.68 0.17	-10.60 0.10	-87.7 -2.2	2.5 0.0	0.0 -1.5	-10.81 127.68	1.61 7.14	105.59 -0.54	92.0 7.2
005	G	32.46 0.17	-7.54 0.11	-87.1 -2.2	1.8 0.0	0.0 -1.3	-10.90 111.13	1.35 11.68	100.69 -0.49	89.9 6.3
006	G	31.43 0.17	-4.95 0.12	-86.5 -2.3	1.1 0.0	0.0 -1.1	-10.98 95.14	1.12 14.80	93.90 -0.43	87.6 5.4
007	G	30.57 0.17	-2.80 0.13	-85.8 -2.3	0.7 0.0	0.0 -0.9	-11.07 79.63	0.92 16.74	85.87 -0.36	85.2 4.5
008	G	29.87 0.17	-1.07 0.13	-85.2 -2.3	0.2 0.0	0.0 -0.7	-11.15 64.50	0.76 17.71	77.14 -0.30	82.9 3.7
009	G	29.56 0.17	0.30 0.13	-84.5 -2.4	-0.1 0.0	0.0 -0.6	-11.23 49.63	0.62 17.91	68.14 -0.24	81.1 2.8
010	G	29.97 0.17	1.34 0.12	-83.9 -2.4	-0.3 0.0	0.0 -0.4	-11.32 34.73	0.52 17.49	59.22 -0.17	80.2 2.0
011	G	30.27 0.18	2.10 0.11	-83.3 -2.4	-0.5 0.0	0.0 -0.3	-11.41 19.66	0.45 16.63	50.63 -0.11	79.3 1.1
012	G	30.48 0.18	2.62 0.10	-82.7 -2.5	-0.6 0.0	0.0 -0.2	-11.50 4.45	0.41 15.45	42.57 -0.06	78.5 0.3
013	G	30.60 0.19	2.94 0.09	-82.0 -2.5	-0.7 0.0	0.0 -0.1	-11.59 -10.83	0.39 14.06	35.16 -0.01	77.7 -0.6
014	G	30.65 0.19	3.08 0.08	-81.4 -2.5	-0.7 0.0	0.0 0.0	-11.68 -26.16	0.39 12.55	28.49 0.03	76.9 -1.5
015	G	30.65 0.20	3.09 0.06	-80.8 -2.6	-0.7 0.0	0.0 0.0	-11.78 -41.50	0.42 11.01	22.59 0.06	76.3 -2.3
016	G	30.60 0.20	2.99 0.04	-80.2 -2.6	-0.7 0.0	0.0 0.1	-11.88 -56.83	0.45 9.49	17.47 0.09	75.8 -3.2
017	G	30.52 0.20	2.81 0.02	-79.5 -2.6	-0.7 0.0	0.0 0.1	-11.98 -72.12	0.50 8.03	13.10 0.10	75.4 -4.1
018	G	30.41 0.21	2.57 0.00	-78.9 -2.7	-0.6 0.0	0.0 0.1	-12.09 -87.37	0.56 6.69	9.43 0.11	75.1 -4.9
019	G	30.31 0.21	2.28 0.03	-78.3 -2.7	-0.5 0.0	0.0 0.1	-12.19 -102.57	0.61 5.47	6.41 0.10	74.9 -5.8
020	G	30.19 0.21	1.95 0.06	-77.7 -2.7	-0.5 0.0	0.0 0.2	-12.30 -117.71	0.65 4.42	3.95 0.08	74.8 -6.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
021	G	30.06	1.61	-77.1	-0.4	0.0	-12.41	0.69	1.99	74.8
		0.22	0.09	-2.8	0.0	0.2	-132.78	3.52	0.04	-7.5
022	G	29.94	1.26	-76.5	-0.3	0.0	-12.52	0.69	0.43	74.8
		0.22	0.12	-2.8	0.0	0.2	-147.80	2.80	-0.01	-8.4
023	G	29.81	0.91	-75.9	-0.2	0.0	-12.63	0.67	-0.82	75.2
		0.23	0.16	-2.8	0.0	0.2	-162.75	2.26	-0.09	-9.2
024	G	29.69	0.56	-75.3	-0.1	0.0	-12.74	0.61	-1.84	75.7
		0.23	0.20	-2.9	0.0	0.2	-177.64	1.89	-0.18	-10.1
025	G	29.57	0.22	-74.6	-0.1	-0.1	-12.86	0.49	-2.71	76.2
		0.23	0.25	-2.9	0.0	0.2	-192.47	1.70	-0.29	-10.9
026	G	29.54	-0.11	-74.0	0.0	-0.1	-12.98	0.32	-3.54	76.9
		0.24	0.29	-2.9	0.0	0.1	-207.26	1.67	-0.43	-11.7
027	G	29.69	-0.42	-73.4	0.1	-0.1	-13.10	0.07	-4.39	77.6
		0.24	0.34	-3.0	0.0	0.1	-222.09	1.80	-0.58	-12.6
028	G	29.82	-0.71	-72.9	0.2	-0.1	-13.22	-0.27	-5.34	78.5
		0.25	0.39	-3.0	0.0	0.1	-236.98	2.08	-0.77	-13.4
029	G	29.95	-0.97	-72.3	0.2	-0.1	-13.35	-0.70	-6.47	79.4
		0.26	0.44	-3.1	0.0	0.1	-251.94	2.51	-0.97	-14.3
030	G	30.06	-1.21	-71.7	0.3	-0.1	-13.48	-1.24	-7.85	80.4
		0.26	0.48	-3.1	0.0	0.1	-266.95	3.05	-1.20	-15.1
031	G	30.15	-1.40	-71.1	0.3	-0.1	-13.61	-1.90	-9.53	81.4
		0.27	0.52	-3.1	0.0	0.1	-282.02	3.71	-1.45	-16.0
032	G	30.22	-1.55	-70.5	0.4	-0.1	-13.75	-2.70	-11.56	82.5
		0.28	0.55	-3.2	0.0	0.1	-297.13	4.44	-1.72	-16.8
033	G	30.27	-1.65	-69.9	0.4	-0.1	-13.89	-3.63	-13.98	83.7
		0.28	0.56	-3.2	0.0	0.0	-312.27	5.25	-2.00	-17.7
034	G	30.27	-1.67	-69.3	0.4	-0.1	-14.03	-4.70	-16.81	85.0
		0.29	0.56	-3.3	0.0	0.0	-327.42	6.08	-2.28	-18.5
035	G	30.24	-1.62	-68.7	0.4	-0.1	-14.18	-5.91	-20.06	86.4
		0.29	0.53	-3.3	0.0	0.0	-342.56	6.90	-2.55	-19.4
036	G	30.16	-1.47	-68.1	0.3	-0.1	-14.33	-7.25	-23.72	87.8
		0.30	0.48	-3.3	0.0	-0.1	-357.68	7.68	-2.81	-20.2
037	G	30.02	-1.21	-67.6	0.3	-0.1	-14.48	-8.72	-27.74	89.4
		0.30	0.39	-3.4	0.0	-0.2	-372.74	8.35	-3.03	-21.1
038	G	29.81	-0.81	-67.0	0.2	-0.1	-14.63	-10.28	-32.07	91.0
		0.31	0.27	-3.4	-0.1	-0.2	-387.71	8.85	-3.19	-21.9
039	G	29.52	-0.27	-66.4	0.1	0.0	-14.79	-11.91	-36.61	92.6
		0.31	0.09	-3.5	-0.1	-0.3	-402.56	9.12	-3.28	-22.8
Line 4	Section 8								D0022 D0023	
000	G	2.28	-0.14	-66.4	0.1	0.0	-14.79	-11.91	-36.61	92.5
		0.02	0.00	-3.5	-0.1	-0.3	-402.56	9.12	-3.28	-22.8
001	G	2.25	-0.07	-66.3	0.0	0.0	-14.79	-12.24	-37.52	92.8
		0.02	0.00	-3.5	-0.1	-0.3	-402.79	9.13	-3.28	-22.8
Line 4	Section 9								D0023 D0025	
000	G	0.00	0.00	-66.3	0.0	0.0	-14.79	-12.24	-37.52	52.7
		0.00	0.00	-3.5	-0.1	-0.3	-402.79	9.13	-3.28	-
001	G	0.00	0.00	-66.2	0.0	0.0	-14.79	-12.41	-37.98	52.9
		0.00	0.00	-3.5	-0.1	-0.3	-402.79	9.13	-3.56	-
002	G	0.00	0.00	-66.2	0.0	0.0	-14.79	-12.60	-38.43	53.1
		0.00	0.00	-3.5	-0.1	-0.3	-402.79	9.13	-3.84	-
Line 4	Section 10								D0025 TG01	
000	G	0.00	0.00	-66.2	0.0	0.0	-14.79	-12.60	-38.43	53.1
		0.00	0.00	-3.5	-0.1	-0.3	-440.99	-43.71	19.52	-
001	G	0.00	0.00	-64.6	-0.5	0.2	-14.79	8.97	21.78	47.6
		0.00	0.00	-3.6	-0.1	-0.4	-440.99	-43.71	11.80	-
002	T	0.00	0.00	-63.1	-0.9	0.3	-14.79	19.91	81.99	0.0
		0.00	0.00	-3.7	0.0	-0.1	-440.99	-43.71	4.08	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 11										TG01 D0030
000	T	0.00	0.00	-63.1	-0.9	0.3	17.57	29.81	114.87	0.0
		0.00	0.00	-3.7	0.0	-0.1	-457.76	57.67	-8.27	-
001	G	0.00	0.00	-61.5	-0.6	0.2	17.57	13.10	35.43	52.1
		0.00	0.00	-3.6	0.1	0.4	-457.76	57.67	-15.99	-
002	G	0.00	0.00	-59.9	0.0	0.0	17.57	-14.23	-44.01	55.2
		0.00	0.00	-3.4	0.1	0.4	-457.76	57.67	-23.71	-
Line 4 Section 12										D0030 D0035
000	G	0.00	0.00	-59.9	0.0	0.0	17.57	-14.23	-44.01	55.2
		0.00	0.00	-3.4	0.1	0.4	-506.42	-11.51	4.27	-
001	G	0.00	0.00	-59.9	0.0	0.0	17.57	-14.03	-43.43	55.0
		0.00	0.00	-3.4	0.1	0.4	-506.42	-11.51	3.99	-
002	G	0.00	0.00	-59.8	0.0	0.0	17.57	-13.83	-42.85	54.8
		0.00	0.00	-3.4	0.1	0.4	-506.42	-11.51	3.71	-
Line 4 Section 13										D0035 D0037
000	G	2.26	-0.08	-59.8	0.0	0.0	17.57	-13.83	-42.85	98.7
		0.03	0.00	-3.4	0.1	0.4	-506.42	-11.51	3.71	-28.7
001	G	2.29	-0.16	-59.7	0.1	0.0	17.57	-13.46	-41.70	98.5
		0.03	0.00	-3.4	0.1	0.3	-506.64	-11.50	3.71	-28.7
Line 4 Section 14										D0037 NN0009
000	G	29.53	-0.30	-59.7	0.1	0.0	17.57	-13.46	-41.70	98.5
		0.34	0.10	-3.4	0.1	0.3	-506.64	-11.50	3.71	-28.7
001	G	29.86	-0.92	-59.2	0.2	-0.1	17.40	-11.62	-35.99	97.9
		0.34	0.30	-3.4	0.1	0.2	-521.50	-11.19	3.61	-29.5
002	G	30.10	-1.37	-58.6	0.3	-0.1	17.23	-9.85	-30.50	97.2
		0.35	0.44	-3.3	0.1	0.2	-536.50	-10.62	3.43	-30.4
003	G	30.26	-1.68	-58.0	0.4	-0.1	17.05	-8.19	-25.36	96.6
		0.35	0.54	-3.3	0.0	0.1	-551.60	-9.86	3.18	-31.2
004	G	30.36	-1.86	-57.5	0.4	-0.1	16.88	-6.66	-20.64	96.1
		0.34	0.60	-3.2	0.0	0.1	-566.76	-8.97	2.90	-32.1
005	G	30.40	-1.95	-56.9	0.5	-0.1	16.71	-5.29	-16.38	95.7
		0.34	0.63	-3.2	0.0	0.0	-581.96	-8.02	2.59	-32.9
006	G	30.40	-1.95	-56.4	0.5	-0.1	16.54	-4.07	-12.62	95.4
		0.34	0.63	-3.1	0.0	0.0	-597.18	-7.04	2.27	-33.8
007	G	30.37	-1.90	-55.8	0.4	-0.1	16.37	-3.01	-9.34	95.1
		0.34	0.61	-3.1	0.0	0.0	-612.38	-6.08	1.96	-34.7
008	G	30.32	-1.80	-55.3	0.4	-0.1	16.20	-2.11	-6.53	95.0
		0.34	0.58	-3.0	0.0	-0.1	-627.56	-5.15	1.66	-35.5
009	G	30.25	-1.67	-54.8	0.4	-0.1	16.03	-1.35	-4.18	95.0
		0.33	0.54	-3.0	0.0	-0.1	-642.72	-4.29	1.38	-36.4
010	G	30.17	-1.52	-54.2	0.4	-0.1	15.86	-0.72	-2.24	95.1
		0.33	0.49	-2.9	0.0	-0.1	-657.83	-3.49	1.13	-37.2
011	G	30.08	-1.35	-53.7	0.3	-0.1	15.70	-0.22	-0.69	95.3
		0.33	0.44	-2.9	0.0	-0.1	-672.90	-2.77	0.89	-38.1
012	G	29.99	-1.19	-53.2	0.3	-0.1	15.54	0.17	0.53	95.8
		0.33	0.38	-2.8	0.0	-0.1	-687.93	-2.14	0.69	-38.9
013	G	29.91	-1.03	-52.6	0.2	-0.1	15.37	0.47	1.45	96.7
		0.32	0.33	-2.8	0.0	-0.1	-702.92	-1.58	0.51	-39.8
014	G	29.82	-0.87	-52.1	0.2	-0.1	15.21	0.68	2.12	97.5
		0.32	0.28	-2.8	0.0	-0.1	-717.86	-1.11	0.36	-40.6
015	G	29.74	-0.72	-51.6	0.2	-0.1	15.05	0.83	2.56	98.2
		0.32	0.23	-2.7	0.0	-0.1	-732.76	-0.71	0.23	-41.5
016	G	29.67	-0.59	-51.0	0.1	0.0	14.89	0.91	2.83	98.9
		0.31	0.19	-2.7	0.0	-0.1	-747.63	-0.38	0.12	-42.3
017	G	29.61	-0.47	-50.5	0.1	0.0	14.74	0.95	2.94	99.5
		0.31	0.15	-2.6	0.0	-0.1	-762.46	-0.12	0.04	-43.2
018	G	29.55	-0.36	-50.0	0.1	0.0	14.58	0.95	2.95	100.1
		0.31	0.12	-2.6	0.0	0.0	-777.26	0.09	-0.03	-44.0
019	G	29.50	-0.26	-49.5	0.1	0.0	14.43	0.92	2.86	100.7
		0.31	0.09	-2.5	0.0	0.0	-792.03	0.24	-0.08	-44.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
020	G	29.46	-0.18	-48.9	0.0	0.0	14.27	0.87	2.70	101.3
		0.31	0.06	-2.5	0.0	0.0	-806.78	0.35	-0.11	-45.7
021	G	29.42	-0.12	-48.4	0.0	0.0	14.12	0.81	2.50	101.9
		0.30	0.04	-2.5	0.0	0.0	-821.51	0.43	-0.14	-46.5
022	G	29.39	-0.06	-47.9	0.0	0.0	13.97	0.73	2.27	102.5
		0.30	0.02	-2.4	0.0	0.0	-836.22	0.48	-0.15	-47.3
023	G	29.37	-0.02	-47.4	0.0	0.0	13.82	0.65	2.03	103.1
		0.30	0.01	-2.4	0.0	0.0	-850.92	0.50	-0.16	-48.2
024	G	29.36	0.02	-46.9	0.0	0.0	13.67	0.57	1.78	103.7
		0.30	0.01	-2.3	0.0	0.0	-865.61	0.50	-0.16	-49.0
025	G	29.38	0.04	-46.4	0.0	0.0	13.52	0.49	1.53	104.3
		0.30	0.01	-2.3	0.0	0.0	-880.30	0.48	-0.16	-49.8
026	G	29.39	0.06	-45.9	0.0	0.0	13.38	0.42	1.30	104.9
		0.29	0.02	-2.3	0.0	0.0	-895.00	0.46	-0.15	-50.7
027	G	29.39	0.07	-45.4	0.0	0.0	13.23	0.35	1.08	105.6
		0.29	0.02	-2.2	0.0	0.0	-909.71	0.42	-0.14	-51.5
028	G	29.39	0.08	-44.9	0.0	0.0	13.08	0.28	0.87	106.2
		0.29	0.03	-2.2	0.0	0.0	-924.41	0.38	-0.12	-52.3
029	G	29.39	0.08	-44.4	0.0	0.0	12.94	0.22	0.69	106.8
		0.29	0.03	-2.2	0.0	0.0	-939.12	0.34	-0.11	-53.2
030	G	29.39	0.08	-43.9	0.0	0.0	12.79	0.17	0.53	107.5
		0.29	0.03	-2.1	0.0	0.0	-953.83	0.30	-0.10	-54.0
031	G	29.39	0.08	-43.4	0.0	0.0	12.65	0.13	0.39	108.1
		0.29	0.03	-2.1	0.0	0.0	-968.53	0.26	-0.08	-54.8
032	G	29.39	0.08	-42.9	0.0	0.0	12.51	0.09	0.27	108.8
		0.28	0.02	-2.0	0.0	0.0	-983.24	0.22	-0.07	-55.6
033	G	29.38	0.07	-42.4	0.0	0.0	12.37	0.06	0.17	109.4
		0.28	0.02	-2.0	0.0	0.0	-997.94	0.18	-0.06	-56.5
034	G	29.38	0.06	-41.9	0.0	0.0	12.23	0.03	0.09	110.1
		0.28	0.02	-2.0	0.0	0.0	-1012.64	0.15	-0.05	-57.3
035	G	29.38	0.06	-41.4	0.0	0.0	12.09	0.01	0.02	110.8
		0.28	0.02	-1.9	0.0	0.0	-1027.34	0.12	-0.04	-58.1
036	G	29.37	0.05	-40.9	0.0	0.0	11.95	-0.01	-0.03	111.5
		0.28	0.02	-1.9	0.0	0.0	-1042.04	0.09	-0.03	-59.0
037	G	29.37	0.04	-40.4	0.0	0.0	11.81	-0.02	-0.07	112.2
		0.27	0.01	-1.9	0.0	0.0	-1056.73	0.07	-0.02	-59.8
038	G	29.36	0.04	-39.9	0.0	0.0	11.67	-0.03	-0.09	112.9
		0.27	0.01	-1.8	0.0	0.0	-1071.43	0.05	-0.01	-60.6
039	G	29.36	0.03	-39.5	0.0	0.0	11.54	-0.04	-0.11	113.6
		0.27	0.01	-1.8	0.0	0.0	-1086.12	0.03	-0.01	-61.5
040	G	29.35	0.02	-39.0	0.0	0.0	11.40	-0.04	-0.12	114.3
		0.27	0.01	-1.8	0.0	0.0	-1100.80	0.02	0.00	-62.3
041	G	29.35	0.02	-38.5	0.0	0.0	11.27	-0.04	-0.13	115.0
		0.27	0.01	-1.7	0.0	0.0	-1115.49	0.00	0.00	-63.1
042	G	29.35	0.02	-38.0	0.0	0.0	11.13	-0.04	-0.13	115.7
		0.27	0.00	-1.7	0.0	0.0	-1130.17	0.00	0.00	-64.0
043	G	29.34	0.01	-37.6	0.0	0.0	11.00	-0.04	-0.12	116.4
		0.26	0.00	-1.7	0.0	0.0	-1144.86	-0.01	0.00	-64.8
044	G	29.34	0.01	-37.1	0.0	0.0	10.87	-0.04	-0.12	117.1
		0.26	0.00	-1.6	0.0	0.0	-1159.54	-0.02	0.01	-65.6
045	G	29.34	0.00	-36.6	0.0	0.0	10.74	-0.03	-0.11	117.8
		0.26	0.00	-1.6	0.0	0.0	-1174.21	-0.02	0.01	-66.5
046	G	29.33	0.00	-36.2	0.0	0.0	10.61	-0.03	-0.10	118.5
		0.26	0.00	-1.6	0.0	0.0	-1188.89	-0.02	0.01	-67.3
047	G	29.33	0.00	-35.7	0.0	0.0	10.48	-0.03	-0.09	119.2
		0.26	0.00	-1.5	0.0	0.0	-1203.57	-0.02	0.01	-68.1
048	G	29.33	0.00	-35.2	0.0	0.0	10.35	-0.02	-0.08	120.0
		0.26	0.00	-1.5	0.0	0.0	-1218.25	-0.02	0.01	-69.0
049	G	29.33	0.00	-34.8	0.0	0.0	10.22	-0.02	-0.07	120.7
		0.25	0.00	-1.5	0.0	0.0	-1232.92	-0.02	0.01	-69.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
050	G	29.33	0.00	-34.3	0.0	0.0	10.09	-0.02	-0.06	121.4
		0.25	0.00	-1.5	0.0	0.0	-1247.60	-0.02	0.01	-70.6
051	G	29.33	0.00	-33.9	0.0	0.0	9.97	-0.01	-0.05	122.1
		0.25	0.00	-1.4	0.0	0.0	-1262.27	-0.02	0.01	-71.4
052	G	29.33	0.00	-33.4	0.0	0.0	9.84	-0.01	-0.04	122.8
		0.25	0.00	-1.4	0.0	0.0	-1276.94	-0.02	0.01	-72.3
053	G	29.33	0.00	-32.9	0.0	0.0	9.72	-0.01	-0.03	123.6
		0.25	0.00	-1.4	0.0	0.0	-1291.62	-0.01	0.00	-73.1
054	G	29.32	0.00	-32.5	0.0	0.0	9.59	-0.01	-0.02	124.3
		0.25	0.00	-1.3	0.0	0.0	-1306.29	-0.01	0.00	-73.9
055	G	29.32	0.00	-32.0	0.0	0.0	9.47	-0.01	-0.02	125.0
		0.24	0.00	-1.3	0.0	0.0	-1320.96	-0.01	0.00	-74.8
056	G	29.32	0.00	-31.6	0.0	0.0	9.35	0.00	-0.01	125.7
		0.24	0.00	-1.3	0.0	0.0	-1335.63	-0.01	0.00	-75.6
057	G	29.32	0.00	-31.2	0.0	0.0	9.23	0.00	-0.01	126.5
		0.24	0.00	-1.3	0.0	0.0	-1350.31	-0.01	0.00	-76.4
058	G	29.32	0.00	-30.7	0.0	0.0	9.11	0.00	0.00	127.2
		0.24	0.00	-1.2	0.0	0.0	-1364.97	-0.01	0.00	-77.3
059	G	29.32	0.00	-30.3	0.0	0.0	8.99	0.00	0.00	127.9
		0.24	0.00	-1.2	0.0	0.0	-1379.64	0.00	0.00	-78.1
060	G	29.32	0.00	-29.8	0.0	0.0	8.87	0.00	0.00	128.6
		0.24	0.00	-1.2	0.0	0.0	-1394.31	0.00	0.00	-78.9
061	G	29.31	0.00	-29.4	0.0	0.0	8.75	0.00	0.00	129.4
		0.23	0.00	-1.2	0.0	0.0	-1408.98	0.00	0.00	-79.7
062	G	29.31	0.00	-29.0	0.0	0.0	8.63	0.00	0.00	130.1
		0.23	0.00	-1.1	0.0	0.0	-1423.65	0.00	0.00	-80.6
063	G	29.31	0.00	-28.5	0.0	0.0	8.52	0.00	0.00	130.8
		0.23	0.00	-1.1	0.0	0.0	-1438.31	0.00	0.00	-81.4
064	G	29.31	0.00	-28.1	0.0	0.0	8.40	0.00	0.01	131.6
		0.23	0.00	-1.1	0.0	0.0	-1452.98	0.00	0.00	-82.2
065	G	29.31	0.00	-27.7	0.0	0.0	8.29	0.00	0.01	132.3
		0.23	0.00	-1.1	0.0	0.0	-1467.64	0.00	0.00	-83.1
066	G	29.30	0.00	-27.2	0.0	0.0	8.17	0.00	0.01	133.1
		0.23	0.00	-1.0	0.0	0.0	-1482.30	0.00	0.00	-83.9
067	G	29.30	0.00	-26.8	0.0	0.0	8.06	0.00	0.01	133.8
		0.23	0.00	-1.0	0.0	0.0	-1496.96	0.00	0.00	-84.7
068	G	29.30	0.00	-26.4	0.0	0.0	7.95	0.00	0.00	134.5
		0.22	0.00	-1.0	0.0	0.0	-1511.62	0.00	0.00	-85.6
069	G	29.30	0.00	-26.0	0.0	0.0	7.84	0.00	0.00	135.3
		0.22	0.00	-1.0	0.0	0.0	-1526.28	0.00	0.00	-86.4
070	G	29.30	0.00	-25.6	0.0	0.0	7.73	0.00	0.00	136.0
		0.22	0.00	-0.9	0.0	0.0	-1540.94	0.00	0.00	-87.2
071	G	29.29	0.00	-25.1	0.0	0.0	7.62	0.00	0.00	136.8
		0.22	0.00	-0.9	0.0	0.0	-1555.60	0.00	0.00	-88.0
072	G	29.29	0.00	-24.7	0.0	0.0	7.51	0.00	0.00	137.5
		0.22	0.00	-0.9	0.0	0.0	-1570.26	0.00	0.00	-88.9
073	G	29.29	0.00	-24.3	0.0	0.0	7.40	0.01	0.00	138.3
		0.22	0.00	-0.9	0.0	0.0	-1584.91	0.00	0.00	-89.7
074	G	29.29	0.00	-23.9	0.0	0.0	7.29	0.01	0.00	139.0
		0.21	0.00	-0.9	0.0	0.0	-1599.57	0.00	0.00	-90.5
075	G	29.29	0.00	-23.5	0.0	0.0	7.19	0.01	0.00	139.8
		0.21	0.00	-0.8	0.0	0.0	-1614.22	0.00	0.00	-91.4
076	G	29.28	0.00	-23.1	0.0	0.0	7.08	0.01	0.00	140.5
		0.21	0.00	-0.8	0.0	0.0	-1628.87	0.00	0.00	-92.2
077	G	29.28	0.00	-22.7	0.0	0.0	6.97	0.01	0.00	141.3
		0.21	0.00	-0.8	0.0	0.0	-1643.52	0.00	0.00	-93.0
078	G	29.28	0.00	-22.3	0.0	0.0	6.87	0.01	0.00	142.0
		0.21	0.00	-0.8	0.0	0.0	-1658.17	0.00	0.00	-93.9
079	G	29.28	0.00	-21.9	0.0	0.0	6.77	0.01	0.00	142.8
		0.21	0.00	-0.8	0.0	0.0	-1672.82	0.00	0.00	-94.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
080	G	29.27	0.00	-21.5	0.0	0.0	6.66	0.01	0.00	143.5
		0.20	0.00	-0.7	0.0	0.0	-1687.47	0.00	0.00	-95.5
081	G	29.27	0.00	-21.1	0.0	0.0	6.56	0.01	0.00	144.3
		0.20	0.00	-0.7	0.0	0.0	-1702.11	0.00	0.00	-96.3
082	G	29.27	0.00	-20.7	0.0	0.0	6.46	0.01	0.00	145.0
		0.20	0.00	-0.7	0.0	0.0	-1716.76	0.00	0.00	-97.2
083	G	29.27	0.00	-20.3	0.0	0.0	6.36	0.01	0.00	145.8
		0.20	0.00	-0.7	0.0	0.0	-1731.40	0.00	0.00	-98.0
084	G	29.26	0.00	-19.9	0.0	0.0	6.26	0.01	0.00	146.5
		0.20	0.00	-0.7	0.0	0.0	-1746.04	0.00	0.00	-98.8
085	G	29.26	0.00	-19.5	0.0	0.0	6.16	0.01	0.00	147.3
		0.20	0.00	-0.7	0.0	0.0	-1760.68	0.00	0.00	-99.7
086	G	29.26	0.00	-19.1	0.0	0.0	6.06	0.01	0.00	148.0
		0.20	0.00	-0.6	0.0	0.0	-1775.32	0.00	-0.01	-100.5
087	G	29.25	0.00	-18.7	0.0	0.0	5.96	0.00	0.00	148.8
		0.19	0.00	-0.6	0.0	0.0	-1789.96	0.00	-0.01	-101.3
088	G	29.25	0.00	-18.4	0.0	0.0	5.87	0.00	0.00	149.5
		0.19	0.00	-0.6	0.0	0.0	-1804.60	0.00	-0.01	-102.1
089	G	29.25	0.00	-18.0	0.0	0.0	5.77	-0.01	0.00	150.3
		0.19	0.01	-0.6	0.0	0.0	-1819.23	0.00	-0.01	-103.0
090	G	29.24	0.00	-17.6	0.0	0.0	5.68	-0.01	0.00	151.1
		0.19	0.01	-0.6	0.0	0.0	-1833.86	0.00	-0.01	-103.8
091	G	29.24	0.00	-17.2	0.0	0.0	5.58	-0.02	0.00	151.8
		0.19	0.01	-0.5	0.0	0.0	-1848.49	0.00	-0.02	-104.6
092	G	29.24	0.00	-16.9	0.0	0.0	5.49	-0.03	0.00	152.6
		0.19	0.01	-0.5	0.0	0.0	-1863.12	0.00	-0.02	-105.4
093	G	29.23	0.00	-16.5	0.0	0.0	5.39	-0.04	0.00	153.4
		0.19	0.01	-0.5	0.0	0.0	-1877.75	0.00	-0.02	-106.3
094	G	29.23	0.00	-16.1	0.0	0.0	5.30	-0.06	0.00	154.1
		0.18	0.01	-0.5	0.0	0.0	-1892.38	0.00	-0.03	-107.1
095	G	29.22	0.00	-15.7	0.0	0.0	5.21	-0.07	0.00	154.9
		0.18	0.01	-0.5	0.0	0.0	-1907.00	0.00	-0.03	-107.9
096	G	29.22	0.00	-15.4	0.0	0.0	5.12	-0.09	0.00	155.7
		0.18	0.01	-0.5	0.0	0.0	-1921.62	0.00	-0.03	-108.8
097	G	29.21	0.00	-15.0	0.0	0.0	5.03	-0.10	0.00	156.4
		0.18	0.00	-0.5	0.0	0.0	-1936.24	0.00	-0.04	-109.6
098	G	29.21	0.00	-14.6	0.0	0.0	4.94	-0.12	0.00	157.2
		0.18	0.00	-0.4	0.0	0.0	-1950.85	0.00	-0.04	-110.4
099	G	29.20	0.00	-14.3	0.0	0.0	4.85	-0.14	0.00	158.0
		0.18	0.00	-0.4	0.0	0.0	-1965.47	0.00	-0.04	-111.2
100	G	29.20	0.00	-13.9	0.0	0.0	4.76	-0.16	0.00	158.7
		0.18	0.00	-0.4	0.0	0.0	-1980.08	0.00	-0.04	-112.1
101	G	29.19	0.00	-13.6	0.0	0.0	4.67	-0.18	0.00	159.5
		0.17	0.01	-0.4	0.0	0.0	-1994.68	0.00	-0.04	-112.9
102	G	29.19	0.00	-13.2	0.0	0.0	4.58	-0.20	0.00	160.3
		0.17	0.01	-0.4	0.0	0.0	-2009.29	0.00	-0.03	-113.7
103	G	29.18	0.00	-12.9	0.0	0.0	4.50	-0.21	0.00	161.1
		0.17	0.01	-0.4	0.0	0.0	-2023.89	0.00	-0.03	-114.5
104	G	29.18	0.00	-12.5	0.0	0.0	4.41	-0.23	0.00	161.8
		0.17	0.02	-0.4	0.0	0.0	-2038.49	0.00	-0.02	-115.4
105	G	29.18	0.00	-12.2	0.0	0.0	4.33	-0.23	0.00	162.6
		0.17	0.03	-0.4	0.0	0.0	-2053.09	0.00	-0.01	-116.2
106	G	29.17	0.00	-11.8	0.0	0.0	4.24	-0.23	0.00	163.4
		0.17	0.04	-0.3	0.0	0.0	-2067.69	0.00	0.01	-117.0
107	G	29.17	0.00	-11.5	0.0	0.0	4.16	-0.22	0.00	164.1
		0.17	0.05	-0.3	0.0	0.0	-2082.29	0.00	0.03	-117.9
108	G	29.17	0.00	-11.1	0.0	0.0	4.07	-0.20	0.00	164.9
		0.17	0.06	-0.3	0.0	0.0	-2096.88	0.00	0.06	-118.7
109	G	29.16	0.00	-10.8	0.0	0.0	3.99	-0.17	0.00	165.7
		0.17	0.07	-0.3	0.0	0.0	-2111.47	0.00	0.09	-119.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
110	G	29.16	0.00	-10.5	0.0	0.0	3.91	-0.11	0.00	166.4
		0.16	0.08	-0.3	0.0	0.0	-2126.06	0.00	0.13	-120.3
111	G	29.16	0.00	-10.1	0.0	0.0	3.83	-0.04	0.00	167.2
		0.16	0.09	-0.3	0.0	0.0	-2140.65	0.00	0.17	-121.2
112	G	29.15	0.00	-9.8	0.0	0.0	3.75	0.06	0.00	168.0
		0.16	0.11	-0.3	0.0	0.0	-2155.24	0.00	0.22	-122.0
113	G	29.15	0.00	-9.4	0.0	0.0	3.66	0.18	0.00	168.8
		0.16	0.12	-0.3	0.0	0.0	-2169.82	0.00	0.28	-122.8
114	G	29.14	0.00	-9.1	0.0	0.0	3.58	0.34	0.00	169.6
		0.16	0.13	-0.2	0.0	0.0	-2184.40	0.00	0.34	-123.6
115	G	29.13	0.00	-8.8	0.0	0.0	3.50	0.52	0.00	170.4
		0.16	0.14	-0.2	0.0	0.0	-2198.98	0.00	0.41	-124.5
116	G	29.12	0.00	-8.5	0.0	0.0	3.42	0.75	0.00	171.3
		0.16	0.15	-0.2	0.0	0.0	-2213.55	0.00	0.48	-125.3
117	G	29.11	0.00	-8.1	0.0	0.0	3.35	1.01	0.00	172.1
		0.16	0.15	-0.2	0.0	0.0	-2228.12	0.00	0.56	-126.1
Line 4 Section 15									NN0009 NN0010	
000	G	2.20	0.00	-8.1	0.0	0.0	3.35	1.01	0.00	172.1
		0.01	0.01	-0.2	0.0	0.0	-2228.12	0.00	0.56	-126.1
001	G	2.20	0.00	-8.1	0.0	0.0	3.34	1.06	0.00	172.1
		0.01	0.01	-0.2	0.0	0.0	-2228.34	0.00	0.56	-126.1
Line 4 Section 16									NN0010 GNA-2	
000	G	0.00	0.00	-8.1	0.0	0.0	3.34	1.06	0.00	37.0
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	0.56	-
001	G	0.00	0.00	-8.0	0.0	0.0	3.34	1.08	0.00	37.0
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	0.28	-
002	G	0.00	0.00	-8.0	0.0	0.0	3.34	1.09	0.00	37.1
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	0.00	-
Line 4 Section 17									GNA-2 NN0011	
000	G	0.00	0.00	-8.0	0.0	0.0	3.34	1.09	0.00	37.1
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	0.00	-
001	G	0.00	0.00	-8.0	0.0	0.0	3.34	1.08	0.00	37.0
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	-0.28	-
002	G	0.00	0.00	-7.9	0.0	0.0	3.34	1.06	0.00	37.0
		0.00	0.00	-0.2	0.0	0.0	-2228.34	0.00	-0.56	-
Line 4 Section 18									NN0011 D0039	
000	G	2.20	0.00	-7.9	0.0	0.0	3.34	1.06	0.00	172.1
		0.01	0.01	-0.2	0.0	0.0	-2228.34	0.00	-0.56	-126.1
001	G	2.20	0.00	-7.9	0.0	0.0	3.34	1.01	0.00	172.1
		0.01	0.01	-0.2	0.0	0.0	-2228.56	0.00	-0.56	-126.1
Line 4 Section 19									D0039 NN0026	
000	G	29.10	0.00	-7.9	0.0	0.0	3.34	1.01	0.00	172.2
		0.16	0.15	-0.2	0.0	0.0	-2228.56	0.00	-0.56	-126.1
001	G	29.08	0.00	-7.6	0.0	0.0	3.26	0.75	0.00	172.8
		0.16	0.15	-0.2	0.0	0.0	-2243.13	0.00	-0.48	-127.0
002	G	29.06	0.00	-7.2	0.0	0.0	3.19	0.52	0.00	173.5
		0.16	0.14	-0.2	0.0	0.0	-2257.70	0.00	-0.41	-127.8
003	G	29.04	0.00	-6.9	0.0	0.0	3.11	0.33	0.00	174.3
		0.15	0.13	-0.2	0.0	0.0	-2272.25	0.00	-0.34	-128.6
004	G	29.02	0.00	-6.6	0.0	0.0	3.03	0.18	0.00	175.0
		0.15	0.12	-0.2	0.0	0.0	-2286.79	0.00	-0.28	-129.4
005	G	28.99	0.00	-6.3	0.0	0.0	2.95	0.06	0.00	175.7
		0.15	0.11	-0.2	0.0	0.0	-2301.32	0.00	-0.22	-130.3
006	G	28.96	0.00	-6.0	0.0	0.0	2.88	-0.04	0.00	176.5
		0.15	0.09	-0.2	0.0	0.0	-2315.83	0.00	-0.17	-131.1
007	G	28.93	0.00	-5.7	0.0	0.0	2.80	-0.11	0.00	177.3
		0.15	0.08	-0.1	0.0	0.0	-2330.33	0.00	-0.13	-131.9
008	G	28.90	0.00	-5.4	0.0	0.0	2.72	-0.17	0.00	178.0
		0.15	0.07	-0.1	0.0	0.0	-2344.82	0.00	-0.09	-132.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
009	G	28.87	0.00	-5.0	0.0	0.0	2.65	-0.20	0.00	178.8
		0.15	0.06	-0.1	0.0	0.0	-2359.28	0.00	-0.06	-133.5
010	G	28.83	0.00	-4.7	0.0	0.0	2.57	-0.22	0.00	179.6
		0.15	0.05	-0.1	0.0	0.0	-2373.73	0.00	-0.03	-134.3
011	G	28.78	0.00	-4.4	0.0	0.0	2.49	-0.23	0.00	180.4
		0.15	0.04	-0.1	0.0	0.0	-2388.16	0.00	-0.01	-135.2
012	G	28.74	0.00	-4.1	0.0	0.0	2.41	-0.23	0.00	181.1
		0.16	0.03	-0.1	0.0	0.0	-2402.57	0.00	0.01	-136.0
013	G	28.69	0.00	-3.8	0.0	0.0	2.34	-0.23	0.00	181.9
		0.16	0.02	-0.1	0.0	0.0	-2416.95	0.00	0.02	-136.8
014	G	28.63	0.00	-3.5	0.0	0.0	2.26	-0.21	0.00	182.6
		0.16	0.01	-0.1	0.0	0.0	-2431.30	0.00	0.03	-137.6
015	G	28.56	0.00	-3.2	0.0	0.0	2.18	-0.20	0.00	183.4
		0.16	0.01	-0.1	0.0	0.0	-2445.62	0.00	0.03	-138.4
016	G	28.48	0.00	-3.0	0.0	0.0	2.09	-0.18	0.00	184.2
		0.17	0.01	-0.1	0.0	0.0	-2459.91	0.00	0.04	-139.2
017	G	28.38	0.00	-2.7	0.0	0.0	2.01	-0.16	0.00	184.9
		0.17	0.00	-0.1	0.0	0.0	-2474.14	0.00	0.04	-140.0
018	G	28.26	0.00	-2.4	0.0	0.0	1.92	-0.14	0.00	185.7
		0.18	0.00	-0.1	0.0	0.0	-2488.33	0.00	0.04	-140.8
019	G	28.12	0.00	-2.1	0.0	0.0	1.83	-0.12	0.00	186.4
		0.19	0.00	-0.1	0.0	0.0	-2502.45	0.00	0.04	-141.6
020	G	27.93	0.00	-1.8	0.0	0.0	1.74	-0.10	0.00	187.2
		0.20	0.00	-0.1	0.0	0.0	-2516.49	0.00	0.04	-142.4
021	G	27.68	0.00	-1.5	0.0	0.0	1.63	-0.09	0.00	187.9
		0.21	0.01	-0.1	0.0	0.0	-2530.42	0.00	0.03	-143.2
022	G	27.33	0.00	-1.2	0.0	0.0	1.52	-0.07	0.00	188.6
		0.24	0.01	-0.1	0.0	0.0	-2544.20	0.00	0.03	-144.0
023	G	26.79	0.00	-1.0	0.0	0.0	1.39	-0.05	0.00	189.4
		0.28	0.01	0.0	0.0	0.0	-2557.75	0.00	0.03	-144.8
024	G	19.84	0.00	-0.7	0.0	0.0	1.25	-0.04	0.00	190.0
		0.27	0.01	0.0	0.0	0.0	-2569.43	0.00	0.02	-145.4
025	G	11.71	0.00	-0.4	0.0	0.0	1.12	-0.03	0.00	190.4
		0.25	0.01	0.0	0.0	0.0	-2577.33	0.00	0.02	-145.9
026	G	3.59	0.00	-0.1	0.0	0.0	1.00	-0.02	0.00	190.6
		0.23	0.01	0.0	0.0	0.0	-2581.16	0.00	0.02	-146.1
027	G	-4.52	0.00	0.2	0.0	0.0	0.89	-0.01	0.00	190.6
		0.21	0.01	0.0	0.0	0.0	-2580.93	0.00	0.01	-146.1
028	G	-12.63	0.00	0.4	0.0	0.0	0.79	-0.01	0.00	190.4
		0.20	0.01	0.0	0.0	0.0	-2576.63	0.00	0.01	-145.8
029	G	-20.78	0.00	0.7	0.0	0.0	0.69	0.00	0.00	189.9
		0.19	0.00	0.0	0.0	0.0	-2568.26	0.00	0.01	-145.4
030	G	-28.96	0.00	1.0	0.0	0.0	0.60	0.00	0.00	189.2
		0.18	0.00	0.0	0.0	0.0	-2555.81	0.00	0.01	-144.7
031	G	-31.81	0.00	1.3	0.0	0.0	0.52	0.01	0.00	188.4
		0.14	0.00	0.0	0.0	0.0	-2540.59	0.00	0.01	-143.8
032	G	-31.38	0.00	1.5	0.0	0.0	0.46	0.01	0.00	187.6
		0.11	0.00	0.0	0.0	0.0	-2524.76	0.00	0.00	-142.9
033	G	-31.07	0.00	1.8	0.0	0.0	0.41	0.01	0.00	186.7
		0.09	0.00	0.0	0.0	0.0	-2509.12	0.00	0.00	-142.0
034	G	-30.84	0.00	2.1	0.0	0.0	0.37	0.01	0.00	185.9
		0.07	0.00	0.0	0.0	0.0	-2493.61	0.00	0.00	-141.1
035	G	-30.67	0.00	2.4	0.0	0.0	0.34	0.01	0.00	185.1
		0.06	0.00	0.0	0.0	0.0	-2478.21	0.00	0.00	-140.3
036	G	-30.53	0.00	2.7	0.0	0.0	0.31	0.01	0.00	184.3
		0.05	0.00	0.0	0.0	0.0	-2462.88	0.00	0.00	-139.4
037	G	-30.42	0.00	3.0	0.0	0.0	0.29	0.01	0.00	183.4
		0.04	0.00	0.0	0.0	0.0	-2447.62	0.00	0.00	-138.5
038	G	-30.33	0.00	3.3	0.0	0.0	0.27	0.01	0.00	182.6
		0.04	0.00	0.0	0.0	0.0	-2432.40	0.00	0.00	-137.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
039	G	-30.26	0.00	3.6	0.0	0.0	0.25	0.01	0.00	181.8
		0.03	0.00	0.0	0.0	0.0	-2417.23	0.00	0.00	-136.8
040	G	-30.19	0.00	3.9	0.0	0.0	0.23	0.01	0.00	181.0
		0.03	0.00	0.0	0.0	0.0	-2402.09	0.00	0.00	-136.0
041	G	-30.14	0.00	4.2	0.0	0.0	0.22	0.01	0.00	180.2
		0.03	0.00	0.0	0.0	0.0	-2386.98	0.00	0.00	-135.1
042	G	-30.09	0.00	4.5	0.0	0.0	0.20	0.01	0.00	179.4
		0.02	0.00	0.0	0.0	0.0	-2371.90	0.00	0.00	-134.2
043	G	-30.05	0.00	4.8	0.0	0.0	0.19	0.01	0.00	178.6
		0.02	0.00	0.0	0.0	0.0	-2356.84	0.00	0.00	-133.4
044	G	-30.01	0.00	5.1	0.0	0.0	0.18	0.00	0.00	177.8
		0.02	0.00	0.0	0.0	0.0	-2341.80	0.00	0.00	-132.5
045	G	-29.97	0.00	5.4	0.0	0.0	0.17	0.00	0.00	177.0
		0.02	0.00	0.0	0.0	0.0	-2326.78	0.00	0.00	-131.7
046	G	-29.94	0.00	5.7	0.0	0.0	0.16	0.00	0.00	176.2
		0.02	0.00	0.0	0.0	0.0	-2311.77	0.00	0.00	-130.8
047	G	-29.92	0.00	6.0	0.0	0.0	0.16	0.00	0.00	175.4
		0.02	0.00	0.0	0.0	0.0	-2296.78	0.00	0.00	-130.0
048	G	-29.89	0.00	6.3	0.0	0.0	0.15	0.00	0.00	174.6
		0.01	0.00	0.0	0.0	0.0	-2281.80	0.00	0.00	-129.1
049	G	-29.87	0.00	6.7	0.0	0.0	0.14	0.00	0.00	173.8
		0.01	0.00	0.0	0.0	0.0	-2266.83	0.00	0.00	-128.3
050	G	-29.85	0.00	7.0	0.0	0.0	0.14	0.00	0.00	173.0
		0.01	0.00	0.0	0.0	0.0	-2251.88	0.00	0.00	-127.5
051	G	-29.83	0.00	7.3	0.0	0.0	0.13	0.00	0.00	172.2
		0.01	0.00	0.0	0.0	0.0	-2236.93	0.00	0.00	-126.6
052	G	-29.81	0.00	7.6	0.0	0.0	0.12	0.00	0.00	171.4
		0.01	0.00	0.0	0.0	0.0	-2221.99	0.00	0.00	-125.8
053	G	-29.80	0.00	8.0	0.0	0.0	0.12	0.00	0.00	170.6
		0.01	0.00	0.0	0.0	0.0	-2207.06	0.00	0.00	-124.9
054	G	-29.78	0.00	8.3	0.0	0.0	0.11	0.00	0.00	169.8
		0.01	0.00	0.0	0.0	0.0	-2192.14	0.00	0.00	-124.1
055	G	-29.77	0.00	8.6	0.0	0.0	0.11	0.00	0.00	169.1
		0.01	0.00	0.0	0.0	0.0	-2177.23	0.00	0.00	-123.2
056	G	-29.76	0.00	8.9	0.0	0.0	0.11	0.00	0.00	168.3
		0.01	0.00	0.0	0.0	0.0	-2162.32	0.00	0.00	-122.4
057	G	-29.74	0.00	9.3	0.0	0.0	0.10	0.00	0.00	167.5
		0.01	0.00	0.0	0.0	0.0	-2147.42	0.00	0.00	-121.5
058	G	-29.73	0.00	9.6	0.0	0.0	0.10	0.00	0.00	166.7
		0.01	0.00	0.0	0.0	0.0	-2132.52	0.00	0.00	-120.7
059	G	-29.72	0.00	10.0	0.0	0.0	0.09	0.00	0.00	165.9
		0.01	0.00	0.0	0.0	0.0	-2117.63	0.00	0.00	-119.9
060	G	-29.71	0.00	10.3	0.0	0.0	0.09	0.00	0.00	165.1
		0.01	0.00	0.0	0.0	0.0	-2102.75	0.00	0.00	-119.0
061	G	-29.70	0.00	10.6	0.0	0.0	0.09	0.00	0.00	164.3
		0.01	0.00	0.0	0.0	0.0	-2087.87	0.00	0.00	-118.2
062	G	-29.69	0.00	11.0	0.0	0.0	0.09	0.00	0.00	163.6
		0.01	0.00	0.0	0.0	0.0	-2073.00	0.00	0.00	-117.3
063	G	-29.68	0.00	11.3	0.0	0.0	0.08	0.00	0.00	162.8
		0.01	0.00	0.0	0.0	0.0	-2058.12	0.00	0.00	-116.5
064	G	-29.68	0.00	11.7	0.0	0.0	0.08	0.00	0.00	162.0
		0.01	0.00	0.0	0.0	0.0	-2043.26	0.00	0.00	-115.6
065	G	-29.67	0.00	12.0	0.0	0.0	0.08	0.00	0.00	161.2
		0.00	0.00	0.0	0.0	0.0	-2028.40	0.00	0.00	-114.8
066	G	-29.66	0.00	12.4	0.0	0.0	0.08	0.00	0.00	160.4
		0.00	0.00	0.0	0.0	0.0	-2013.54	0.00	0.00	-114.0
067	G	-29.65	0.00	12.7	0.0	0.0	0.07	0.00	0.00	159.7
		0.00	0.00	0.0	0.0	0.0	-1998.68	0.00	0.00	-113.1
068	G	-29.65	0.00	13.1	0.0	0.0	0.07	0.00	0.00	158.9
		0.00	0.00	0.0	0.0	0.0	-1983.83	0.00	0.00	-112.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
069	G	-29.64	0.00	13.4	0.0	0.0	0.07	0.00	0.00	158.1
		0.00	0.00	0.0	0.0	0.0	-1968.98	0.00	0.00	-111.4
070	G	-29.64	0.00	13.8	0.0	0.0	0.07	0.00	0.00	157.3
		0.00	0.00	0.0	0.0	0.0	-1954.13	0.00	0.00	-110.6
071	G	-29.63	0.00	14.2	0.0	0.0	0.06	0.00	0.00	156.5
		0.00	0.00	0.0	0.0	0.0	-1939.29	0.00	0.00	-109.8
072	G	-29.62	0.00	14.5	0.0	0.0	0.06	0.00	0.00	155.8
		0.00	0.00	0.0	0.0	0.0	-1924.45	0.00	0.00	-108.9
073	G	-29.62	0.00	14.9	0.0	0.0	0.06	0.00	0.00	155.0
		0.00	0.00	0.0	0.0	0.0	-1909.61	0.00	0.00	-108.1
074	G	-29.61	0.00	15.3	0.0	0.0	0.06	0.00	0.00	154.2
		0.00	0.00	0.0	0.0	0.0	-1894.78	0.00	0.00	-107.2
075	G	-29.61	0.00	15.6	0.0	0.0	0.06	0.00	0.00	153.4
		0.00	0.00	0.0	0.0	0.0	-1879.95	0.00	0.00	-106.4
076	G	-29.60	0.00	16.0	0.0	0.0	0.06	0.00	0.00	152.7
		0.00	0.00	0.0	0.0	0.0	-1865.12	0.00	0.00	-105.6
077	G	-29.60	0.00	16.4	0.0	0.0	0.06	0.00	0.00	151.9
		0.00	0.00	0.0	0.0	0.0	-1850.29	0.00	0.00	-104.7
078	G	-29.60	0.00	16.8	0.0	0.0	0.05	0.00	0.00	151.1
		0.00	0.00	0.0	0.0	0.0	-1835.47	0.00	0.00	-103.9
079	G	-29.59	0.00	17.1	0.0	0.0	0.05	0.00	0.00	150.4
		0.00	0.00	0.0	0.0	0.0	-1820.64	0.00	0.00	-103.0
080	G	-29.59	0.00	17.5	0.0	0.0	0.05	0.00	0.00	149.6
		0.00	0.00	0.0	0.0	0.0	-1805.82	0.00	0.00	-102.2
081	G	-29.58	0.00	17.9	0.0	0.0	0.05	0.00	0.00	148.8
		0.00	0.00	0.0	0.0	0.0	-1791.00	0.00	0.00	-101.4
082	G	-29.58	0.00	18.3	0.0	0.0	0.05	0.00	0.00	148.1
		0.00	0.00	0.0	0.0	0.0	-1776.18	0.00	0.00	-100.5
083	G	-29.58	0.00	18.7	0.0	0.0	0.05	0.00	0.00	147.3
		0.00	0.00	0.0	0.0	0.0	-1761.37	0.00	0.00	-99.7
084	G	-29.57	0.00	19.1	0.0	0.0	0.05	0.00	0.00	146.5
		0.00	0.00	0.0	0.0	0.0	-1746.55	0.00	0.00	-98.9
085	G	-29.57	0.00	19.5	0.0	0.0	0.05	0.00	0.00	145.8
		0.00	0.00	0.0	0.0	0.0	-1731.74	0.00	0.00	-98.0
086	G	-29.57	0.00	19.9	0.0	0.0	0.05	0.00	0.00	145.0
		0.00	0.00	0.0	0.0	0.0	-1716.93	0.00	0.00	-97.2
087	G	-29.56	0.00	20.2	0.0	0.0	0.04	0.00	0.00	144.2
		0.00	0.00	0.0	0.0	0.0	-1702.12	0.00	0.00	-96.3
088	G	-29.56	0.00	20.6	0.0	0.0	0.04	0.00	0.00	143.5
		0.00	0.00	0.0	0.0	0.0	-1687.31	0.00	0.00	-95.5
089	G	-29.56	0.00	21.0	0.0	0.0	0.04	0.00	0.00	142.7
		0.00	0.00	0.0	0.0	0.0	-1672.51	0.00	0.00	-94.7
090	G	-29.56	0.00	21.4	0.0	0.0	0.04	0.00	0.00	142.0
		0.00	0.00	0.0	0.0	0.0	-1657.70	0.00	0.00	-93.8
Line 4	Section 20								NN0026	D0040
000	G	29.32	0.00	-28.6	0.0	0.0	0.04	0.00	0.00	142.0
		0.00	0.00	0.0	0.0	0.0	-1657.70	0.00	0.00	-93.8
001	G	29.32	0.00	-28.2	0.0	0.0	0.04	0.00	0.00	142.7
		0.00	0.00	0.0	0.0	0.0	-1672.41	0.00	0.00	-94.7
002	G	29.32	0.00	-27.8	0.0	0.0	0.04	0.00	0.00	143.5
		0.00	0.00	0.0	0.0	0.0	-1687.12	0.00	0.00	-95.5
003	G	29.32	0.00	-27.4	0.0	0.0	0.04	0.00	0.00	144.2
		0.00	0.00	0.0	0.0	0.0	-1701.83	0.00	0.00	-96.3
004	G	29.32	0.00	-27.0	0.0	0.0	0.04	0.00	0.00	145.0
		0.00	0.00	0.0	0.0	0.0	-1716.53	0.00	0.00	-97.2
005	G	29.32	0.00	-26.6	0.0	0.0	0.04	0.00	0.00	145.7
		0.00	0.00	0.0	0.0	0.0	-1731.24	0.00	0.00	-98.0
006	G	29.31	0.00	-26.2	0.0	0.0	0.04	0.00	0.00	146.5
		0.00	0.00	0.0	0.0	0.0	-1745.94	0.00	0.00	-98.8
007	G	29.31	0.00	-25.8	0.0	0.0	0.04	0.00	0.00	147.3
		0.00	0.00	0.0	0.0	0.0	-1760.65	0.00	0.00	-99.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	29.31	0.00	-25.4	0.0	0.0	0.04	0.00	0.00	148.0
		0.00	0.00	0.0	0.0	0.0	-1775.35	0.00	0.00	-100.5
009	G	29.31	0.00	-25.0	0.0	0.0	0.04	0.00	0.00	148.8
		0.00	0.00	0.0	0.0	0.0	-1790.05	0.00	0.00	-101.3
010	G	29.31	0.00	-24.6	0.0	0.0	0.04	0.00	0.00	149.5
		0.00	0.00	0.0	0.0	0.0	-1804.75	0.00	0.00	-102.1
011	G	29.31	0.00	-24.2	0.0	0.0	0.04	0.00	0.00	150.3
		0.00	0.00	0.0	0.0	0.0	-1819.45	0.00	0.00	-103.0
012	G	29.31	0.00	-23.9	0.0	0.0	0.04	0.00	0.00	151.1
		0.00	0.00	0.0	0.0	0.0	-1834.15	0.00	0.00	-103.8
013	G	29.30	0.00	-23.5	0.0	0.0	0.03	0.00	0.00	151.8
		0.00	0.00	0.0	0.0	0.0	-1848.85	0.00	0.00	-104.6
014	G	29.30	0.00	-23.1	0.0	0.0	0.03	0.00	0.00	152.6
		0.00	0.00	0.0	0.0	0.0	-1863.55	0.00	0.00	-105.5
015	G	29.30	0.00	-22.7	0.0	0.0	0.03	0.00	0.00	153.4
		0.00	0.00	0.0	0.0	0.0	-1878.25	0.00	0.00	-106.3
016	G	29.30	0.00	-22.4	0.0	0.0	0.03	0.00	0.00	154.1
		0.00	0.00	0.0	0.0	0.0	-1892.95	0.00	0.00	-107.1
017	G	29.30	0.00	-22.0	0.0	0.0	0.03	0.00	0.00	154.9
		0.00	0.00	0.0	0.0	0.0	-1907.64	0.00	0.00	-108.0
018	G	29.30	0.00	-21.6	0.0	0.0	0.03	0.00	0.00	155.7
		0.00	0.00	0.0	0.0	0.0	-1922.34	0.00	0.00	-108.8
019	G	29.29	0.00	-21.3	0.0	0.0	0.03	0.00	0.00	156.4
		0.00	0.00	0.0	0.0	0.0	-1937.03	0.00	0.00	-109.6
020	G	29.29	0.00	-20.9	0.0	0.0	0.03	0.00	0.00	157.2
		0.00	0.00	0.0	0.0	0.0	-1951.73	0.00	0.00	-110.5
021	G	29.29	0.00	-20.5	0.0	0.0	0.03	0.00	0.00	158.0
		0.00	0.00	0.0	0.0	0.0	-1966.42	0.00	0.00	-111.3
022	G	29.29	0.00	-20.2	0.0	0.0	0.03	0.00	0.00	158.7
		0.00	0.00	0.0	0.0	0.0	-1981.11	0.00	0.00	-112.1
023	G	29.29	0.00	-19.8	0.0	0.0	0.03	0.00	0.00	159.5
		0.00	0.00	0.0	0.0	0.0	-1995.80	0.00	0.00	-113.0
024	G	29.28	0.00	-19.5	0.0	0.0	0.03	0.00	0.00	160.3
		0.00	0.00	0.0	0.0	0.0	-2010.49	0.00	0.00	-113.8
025	G	29.28	0.00	-19.1	0.0	0.0	0.03	0.00	0.00	161.0
		0.00	0.00	0.0	0.0	0.0	-2025.18	0.00	0.00	-114.6
026	G	29.28	0.00	-18.8	0.0	0.0	0.03	0.00	0.00	161.8
		0.00	0.00	0.0	0.0	0.0	-2039.87	0.00	0.00	-115.5
027	G	29.28	0.00	-18.4	0.0	0.0	0.03	0.00	0.00	162.6
		0.00	0.00	0.0	0.0	0.0	-2054.55	0.00	0.00	-116.3
028	G	29.28	0.00	-18.1	0.0	0.0	0.03	0.00	0.00	163.4
		0.00	0.00	0.0	0.0	0.0	-2069.24	0.00	0.00	-117.1
029	G	29.27	0.00	-17.7	0.0	0.0	0.03	0.00	0.00	164.1
		0.00	0.00	0.0	0.0	0.0	-2083.92	0.00	0.00	-117.9
030	G	29.27	0.00	-17.4	0.0	0.0	0.03	0.00	0.00	164.9
		0.00	0.00	0.0	0.0	0.0	-2098.60	0.00	0.00	-118.8
031	G	29.27	0.00	-17.0	0.0	0.0	0.03	0.00	0.00	165.7
		0.00	0.00	0.0	0.0	0.0	-2113.28	0.00	0.00	-119.6
032	G	29.27	0.00	-16.7	0.0	0.0	0.03	0.00	0.00	166.5
		0.00	0.00	0.0	0.0	0.0	-2127.96	0.00	0.00	-120.4
033	G	29.26	0.00	-16.4	0.0	0.0	0.03	0.00	0.00	167.2
		0.00	0.00	0.0	0.0	0.0	-2142.64	0.00	0.00	-121.3
034	G	29.26	0.00	-16.0	0.0	0.0	0.02	0.00	0.00	168.0
		0.00	0.00	0.0	0.0	0.0	-2157.32	0.00	0.00	-122.1
035	G	29.26	0.00	-15.7	0.0	0.0	0.02	0.00	0.00	168.8
		0.00	0.00	0.0	0.0	0.0	-2172.00	0.00	0.00	-122.9
036	G	29.25	0.00	-15.4	0.0	0.0	0.02	0.00	0.00	169.6
		0.00	0.00	0.0	0.0	0.0	-2186.67	0.00	0.00	-123.8
037	G	29.25	0.00	-15.0	0.0	0.0	0.02	0.00	0.00	170.3
		0.00	0.00	0.0	0.0	0.0	-2201.34	0.00	0.00	-124.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
038	G	29.25	0.00	-14.7	0.0	0.0	0.02	0.00	0.00	171.1
		0.00	0.00	0.0	0.0	0.0	-2216.02	0.00	0.00	-125.4
039	G	29.24	0.00	-14.4	0.0	0.0	0.02	0.00	0.00	171.9
		0.00	0.00	0.0	0.0	0.0	-2230.69	0.00	0.00	-126.3
040	G	29.24	0.00	-14.1	0.0	0.0	0.02	0.00	0.00	172.7
		0.00	0.00	0.0	0.0	0.0	-2245.35	0.00	0.00	-127.1
041	G	29.24	0.00	-13.7	0.0	0.0	0.02	0.00	0.00	173.4
		0.00	0.00	0.0	0.0	0.0	-2260.02	0.00	0.00	-127.9
042	G	29.23	0.00	-13.4	0.0	0.0	0.02	0.00	0.00	174.2
		0.00	0.00	0.0	0.0	0.0	-2274.69	0.00	0.00	-128.7
043	G	29.23	0.00	-13.1	0.0	0.0	0.02	0.00	0.00	175.0
		0.00	0.00	0.0	0.0	0.0	-2289.35	0.00	0.00	-129.6
044	G	29.23	0.00	-12.8	0.0	0.0	0.02	0.00	0.00	175.8
		0.00	0.00	0.0	0.0	0.0	-2304.01	0.00	0.00	-130.4
045	G	29.22	0.00	-12.5	0.0	0.0	0.02	0.00	0.00	176.6
		0.00	0.00	0.0	0.0	0.0	-2318.67	0.00	0.00	-131.2
046	G	29.22	0.00	-12.2	0.0	0.0	0.02	0.00	0.00	177.3
		0.00	0.00	0.0	0.0	0.0	-2333.32	0.00	0.00	-132.1
047	G	29.21	0.00	-11.9	0.0	0.0	0.02	0.00	0.00	178.1
		0.00	0.00	0.0	0.0	0.0	-2347.98	0.00	0.00	-132.9
048	G	29.21	0.00	-11.5	0.0	0.0	0.02	0.00	0.00	178.9
		0.00	0.00	0.0	0.0	0.0	-2362.63	0.00	0.00	-133.7
049	G	29.20	0.00	-11.2	0.0	0.0	0.02	0.00	0.00	179.7
		0.00	0.00	0.0	0.0	0.0	-2377.28	0.00	0.00	-134.6
050	G	29.20	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	180.5
		0.00	0.00	0.0	0.0	0.0	-2391.93	0.00	0.00	-135.4
Line 4 Section 21									D0040	D0041
000	G	29.20	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	180.5
		0.00	0.00	0.0	0.0	0.0	-2391.93	0.00	0.00	-135.4
001	G	29.20	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	180.6
		0.00	0.00	0.0	0.0	0.0	-2394.85	0.00	0.00	-135.5
Line 4 Section 22									D0041	D0042
000	G	29.20	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	180.6
		0.00	0.00	0.0	0.0	0.0	-2394.85	0.00	0.00	-135.5
001	G	29.20	0.00	-10.8	0.0	0.0	0.02	0.00	0.00	180.8
		0.00	0.00	0.0	0.0	0.0	-2397.77	0.00	0.00	-135.7
Line 4 Section 23									D0042	NN0005
000	G	29.20	0.00	-10.8	0.0	0.0	0.02	0.00	0.00	180.8
		0.00	0.00	0.0	0.0	0.0	-2397.77	0.00	0.00	-135.7
001	G	29.19	0.00	-10.6	0.0	0.0	0.02	0.00	0.00	181.5
		0.00	0.00	0.0	0.0	0.0	-2410.72	0.00	0.00	-136.4
002	G	29.19	0.00	-10.3	0.0	0.0	0.02	0.00	0.00	182.2
		0.00	0.00	0.0	0.0	0.0	-2423.68	0.00	0.00	-137.2
003	G	29.18	0.00	-10.0	0.0	0.0	0.02	0.00	0.00	182.8
		0.00	0.00	0.0	0.0	0.0	-2436.63	0.00	0.00	-137.9
004	G	29.18	0.00	-9.8	0.0	0.0	0.02	0.00	0.00	183.5
		0.00	0.00	0.0	0.0	0.0	-2449.58	0.00	0.00	-138.6
Line 4 Section 24									NN0005	KNA-2
000	G	29.18	0.00	-9.8	0.0	0.0	0.02	0.00	0.00	183.5
		0.00	0.00	0.0	0.0	0.0	-2449.58	0.00	0.00	-138.6
001	G	29.17	0.00	-9.5	0.0	0.0	0.02	0.00	0.00	184.2
		0.00	0.00	0.0	0.0	0.0	-2462.52	0.00	0.00	-139.4
002	G	29.17	0.00	-9.2	0.0	0.0	0.02	0.00	0.00	184.9
		0.00	0.00	0.0	0.0	0.0	-2475.47	0.00	0.00	-140.1
003	G	29.16	0.00	-9.0	0.0	0.0	0.02	0.00	0.00	185.6
		0.00	0.00	0.0	0.0	0.0	-2488.41	0.00	0.00	-140.8
004	G	29.15	0.00	-8.7	0.0	0.0	0.02	0.00	0.00	186.3
		0.00	0.00	0.0	0.0	0.0	-2501.35	0.00	0.00	-141.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 25									KNA-2 D0044	
000	G	29.15	0.00	-8.7	0.0	0.0	0.02	0.00	0.00	186.3
		0.00	0.00	0.0	0.0	0.0	-2501.35	0.00	0.00	-141.6
001	G	29.15	0.00	-8.5	0.0	0.0	0.02	0.00	0.00	187.0
		0.00	0.00	0.0	0.0	0.0	-2513.78	0.00	0.00	-142.3
002	G	29.14	0.00	-8.3	0.0	0.0	0.01	0.00	0.00	187.6
		0.00	0.00	0.0	0.0	0.0	-2526.22	0.00	0.00	-143.0
003	G	29.13	0.00	-8.0	0.0	0.0	0.01	0.00	0.00	188.3
		0.00	0.00	0.0	0.0	0.0	-2538.65	0.00	0.00	-143.7
Line 4 Section 26									D0044 D0045	
000	G	29.13	0.00	-8.0	0.0	0.0	0.01	0.00	0.00	188.3
		0.00	0.00	0.0	0.0	0.0	-2538.65	0.00	0.00	-143.7
001	G	29.13	0.00	-7.8	0.0	0.0	0.01	0.00	0.00	189.0
		0.00	0.00	0.0	0.0	0.0	-2551.08	0.00	0.00	-144.4
002	G	29.12	0.00	-7.5	0.0	0.0	0.01	0.00	0.00	189.6
		0.00	0.00	0.0	0.0	0.0	-2563.51	0.00	0.00	-145.1
003	G	29.11	0.00	-7.3	0.0	0.0	0.01	0.00	0.00	190.3
		0.00	0.00	0.0	0.0	0.0	-2575.93	0.00	0.00	-145.8
Line 4 Section 27									D0045 D0047	
000	G	29.11	0.00	-7.3	0.0	0.0	0.01	0.00	0.00	190.3
		0.00	0.00	0.0	0.0	0.0	-2575.93	0.00	0.00	-145.8
001	G	29.11	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	190.5
		0.00	0.00	0.0	0.0	0.0	-2578.84	0.00	0.00	-146.0
Line 4 Section 28									D0047 D0050	
000	G	29.11	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	190.5
		0.00	0.00	0.0	0.0	0.0	-2578.84	0.00	0.00	-146.0
001	G	29.11	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	190.6
		0.00	0.00	0.0	0.0	0.0	-2581.75	0.00	0.00	-146.1
Line 4 Section 29									D0050 D0060	
000	G	29.11	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	190.6
		0.00	0.00	0.0	0.0	0.0	-2581.75	0.00	0.00	-146.1
001	G	29.10	0.00	-6.9	0.0	0.0	0.01	0.00	0.00	191.4
		0.00	0.00	0.0	0.0	0.0	-2596.21	0.00	0.00	-146.9
002	G	29.09	0.00	-6.6	0.0	0.0	0.01	0.00	0.00	192.2
		0.00	0.00	0.0	0.0	0.0	-2610.66	0.00	0.00	-147.8
003	G	29.07	0.00	-6.4	0.0	0.0	0.01	0.00	0.00	193.0
		0.00	0.00	0.0	0.0	0.0	-2625.10	0.00	0.00	-148.6
004	G	29.06	0.00	-6.1	0.0	0.0	0.01	0.00	0.00	193.7
		0.00	0.00	0.0	0.0	0.0	-2639.54	0.00	0.00	-149.4
005	G	29.05	0.00	-5.8	0.0	0.0	0.01	0.00	0.00	194.5
		0.00	0.00	0.0	0.0	0.0	-2653.98	0.00	0.00	-150.2
006	G	29.03	0.00	-5.6	0.0	0.0	0.01	0.00	0.00	195.3
		0.00	0.00	0.0	0.0	0.0	-2668.40	0.00	0.00	-151.0
007	G	29.02	0.00	-5.3	0.0	0.0	0.01	0.00	0.00	196.1
		0.00	0.00	0.0	0.0	0.0	-2682.82	0.00	0.00	-151.8
008	G	29.00	0.00	-5.1	0.0	0.0	0.01	0.00	0.00	196.8
		0.00	0.00	0.0	0.0	0.0	-2697.23	0.00	0.00	-152.7
009	G	28.98	0.00	-4.8	0.0	0.0	0.01	0.00	0.00	197.6
		0.00	0.00	0.0	0.0	0.0	-2711.63	0.00	0.00	-153.5
010	G	28.96	0.00	-4.6	0.0	0.0	0.01	0.00	0.00	198.4
		0.00	0.00	0.0	0.0	0.0	-2726.02	0.00	0.00	-154.3
011	G	28.94	0.00	-4.3	0.0	0.0	0.01	0.00	0.00	199.2
		0.00	0.00	0.0	0.0	0.0	-2740.40	0.00	0.00	-155.1
012	G	28.91	0.00	-4.0	0.0	0.0	0.01	0.00	0.00	199.9
		0.00	0.00	0.0	0.0	0.0	-2754.77	0.00	0.00	-155.9
013	G	28.88	0.00	-3.8	0.0	0.0	0.01	0.00	0.00	200.7
		0.00	0.00	0.0	0.0	0.0	-2769.13	0.00	0.00	-156.7
014	G	28.85	0.00	-3.6	0.0	0.0	0.01	0.00	0.00	201.5
		0.00	0.00	0.0	0.0	0.0	-2783.47	0.00	0.00	-157.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
015	G	28.81	0.00	-3.3	0.0	0.0	0.01	0.00	0.00	202.3
		0.00	0.00	0.0	0.0	0.0	-2797.79	0.00	0.00	-158.4
016	G	28.77	0.00	-3.1	0.0	0.0	0.01	0.00	0.00	203.0
		0.00	0.00	0.0	0.0	0.0	-2812.09	0.00	0.00	-159.2
017	G	28.73	0.00	-2.8	0.0	0.0	0.01	0.00	0.00	203.8
		0.00	0.00	0.0	0.0	0.0	-2826.37	0.00	0.00	-160.0
018	G	28.67	0.00	-2.6	0.0	0.0	0.01	-0.01	0.00	204.6
		0.00	0.00	0.0	0.0	0.0	-2840.63	0.00	0.00	-160.8
019	G	28.61	0.00	-2.3	0.0	0.0	0.01	-0.01	0.00	205.4
		0.00	0.00	0.0	0.0	0.0	-2854.86	0.00	0.00	-161.6
020	G	28.53	0.00	-2.1	0.0	0.0	0.01	-0.01	0.00	206.1
		0.00	0.00	0.0	0.0	0.0	-2869.05	0.00	0.00	-162.4
021	G	28.43	0.00	-1.9	0.0	0.0	0.01	-0.01	0.00	206.9
		0.00	0.00	0.0	0.0	0.0	-2883.19	0.00	0.00	-163.2
022	G	28.31	0.00	-1.6	0.0	0.0	0.01	-0.01	0.00	207.6
		0.00	0.00	0.0	0.0	0.0	-2897.29	0.00	0.00	-164.0
023	G	28.15	0.00	-1.4	0.0	0.0	0.01	-0.01	0.00	208.4
		0.00	0.00	0.0	0.0	0.0	-2911.31	0.00	0.00	-164.8
024	G	27.94	0.00	-1.2	0.0	0.0	0.01	-0.01	0.00	209.2
		0.00	0.00	0.0	0.0	0.0	-2925.24	0.00	0.00	-165.6
025	G	27.64	0.00	-1.0	0.0	0.0	0.01	-0.01	0.00	209.9
		0.00	0.00	0.0	0.0	0.0	-2939.05	0.00	0.00	-166.3
026	G	21.79	0.00	-0.7	0.0	0.0	0.01	-0.01	0.00	210.6
		0.00	0.00	0.0	0.0	0.0	-2951.33	0.00	0.00	-167.0
027	G	15.25	0.00	-0.5	0.0	0.0	0.01	-0.01	0.00	211.1
		0.00	0.00	0.0	0.0	0.0	-2960.53	0.00	0.00	-167.6
028	G	8.73	0.00	-0.3	0.0	0.0	0.01	-0.01	0.00	211.4
		0.00	0.00	0.0	0.0	0.0	-2966.48	0.00	0.00	-167.9
029	G	2.24	0.00	-0.1	0.0	0.0	0.01	-0.01	0.00	211.5
		0.00	0.00	0.0	0.0	0.0	-2969.21	0.00	0.00	-168.1
030	G	-4.26	0.00	0.1	0.0	0.0	0.01	-0.01	0.00	211.5
		0.00	0.00	0.0	0.0	0.0	-2968.70	0.00	0.00	-168.0
031	G	-10.76	0.00	0.4	0.0	0.0	0.01	0.00	0.00	211.3
		0.00	0.00	0.0	0.0	0.0	-2964.97	0.00	0.01	-167.8
032	G	-17.28	0.00	0.6	0.0	0.0	0.01	0.00	0.00	210.9
		0.00	0.00	0.0	0.0	0.0	-2958.01	0.00	0.01	-167.4
033	G	-23.84	0.00	0.8	0.0	0.0	0.01	0.00	0.00	210.4
		0.00	0.01	0.0	0.0	0.0	-2947.80	0.00	0.01	-166.8
034	G	-30.44	0.00	1.0	0.0	0.0	0.01	0.01	0.00	209.7
		0.00	0.01	0.0	0.0	0.0	-2934.31	0.00	0.01	-166.1
035	G	-30.90	0.00	1.3	0.0	0.0	0.01	0.02	0.00	208.8
		0.00	0.01	0.0	0.0	0.0	-2919.08	0.00	0.02	-165.2
036	G	-30.67	0.00	1.5	0.0	0.0	0.01	0.03	0.00	208.0
		0.00	0.01	0.0	0.0	0.0	-2903.79	0.00	0.02	-164.3
037	G	-30.49	0.00	1.7	0.0	0.0	0.01	0.04	0.00	207.2
		0.00	0.01	0.0	0.0	0.0	-2888.60	0.00	0.02	-163.5
038	G	-30.36	0.00	2.0	0.0	0.0	0.01	0.05	0.00	206.4
		0.00	0.01	0.0	0.0	0.0	-2873.48	0.00	0.03	-162.6
039	G	-30.26	0.00	2.2	0.0	0.0	0.01	0.06	0.00	205.6
		0.00	0.01	0.0	0.0	0.0	-2858.42	0.00	0.03	-161.8
040	G	-30.18	0.00	2.4	0.0	0.0	0.01	0.08	0.00	204.8
		0.00	0.01	0.0	0.0	0.0	-2843.41	0.00	0.03	-160.9
041	G	-30.11	0.00	2.7	0.0	0.0	0.01	0.10	0.00	204.0
		0.00	0.01	0.0	0.0	0.0	-2828.44	0.00	0.04	-160.1
042	G	-30.05	0.00	2.9	0.0	0.0	0.01	0.12	0.00	203.2
		0.00	0.00	0.0	0.0	0.0	-2813.50	0.00	0.04	-159.2
043	G	-30.00	0.00	3.1	0.0	0.0	0.01	0.14	0.00	202.3
		0.00	0.00	0.0	0.0	0.0	-2798.58	0.00	0.04	-158.4
044	G	-29.95	0.00	3.4	0.0	0.0	0.01	0.16	0.00	201.6
		0.00	0.00	0.0	0.0	0.0	-2783.69	0.00	0.04	-157.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
045	G	-29.92	0.00	3.6	0.0	0.0	0.01	0.18	0.00	200.8
		0.00	0.00	0.0	0.0	0.0	-2768.82	0.00	0.04	-156.7
046	G	-29.89	0.00	3.9	0.0	0.0	0.01	0.20	0.00	200.0
		0.00	0.01	0.0	0.0	0.0	-2753.97	0.00	0.04	-155.9
047	G	-29.86	0.00	4.1	0.0	0.0	0.01	0.22	0.00	199.2
		0.00	0.01	0.0	0.0	0.0	-2739.13	0.00	0.04	-155.0
048	G	-29.83	0.00	4.4	0.0	0.0	0.01	0.24	0.00	198.4
		0.00	0.02	0.0	0.0	0.0	-2724.30	0.00	0.03	-154.2
049	G	-29.81	0.00	4.6	0.0	0.0	0.01	0.25	0.00	197.6
		0.00	0.02	0.0	0.0	0.0	-2709.48	0.00	0.02	-153.4
050	G	-29.80	0.00	4.9	0.0	0.0	0.01	0.25	0.00	196.8
		0.00	0.03	0.0	0.0	0.0	-2694.68	0.00	0.01	-152.5
051	G	-29.78	0.00	5.2	0.0	0.0	0.01	0.25	0.00	196.0
		0.00	0.04	0.0	0.0	0.0	-2679.88	0.00	-0.01	-151.7
052	G	-29.77	0.00	5.4	0.0	0.0	0.01	0.24	0.00	195.2
		0.00	0.05	0.0	0.0	0.0	-2665.09	0.00	-0.04	-150.8
053	G	-29.76	0.00	5.7	0.0	0.0	0.02	0.22	0.00	194.4
		0.00	0.06	0.0	0.0	0.0	-2650.31	0.00	-0.06	-150.0
054	G	-29.75	0.00	6.0	0.0	0.0	0.02	0.18	0.00	193.6
		0.00	0.08	0.0	0.0	0.0	-2635.53	0.00	-0.10	-149.2
055	G	-29.74	0.00	6.2	0.0	0.0	0.02	0.12	0.00	192.8
		0.00	0.09	0.0	0.0	0.0	-2620.75	0.00	-0.14	-148.3
056	G	-29.73	0.00	6.5	0.0	0.0	0.02	0.04	0.00	192.0
		0.00	0.10	0.0	0.0	0.0	-2605.98	0.00	-0.19	-147.5
057	G	-29.72	0.00	6.8	0.0	0.0	0.02	-0.07	0.00	191.2
		0.00	0.12	0.0	0.0	0.0	-2591.21	0.00	-0.24	-146.7
058	G	-29.72	0.00	7.0	0.0	0.0	0.02	-0.20	0.00	190.4
		0.00	0.13	0.0	0.0	0.0	-2576.45	0.00	-0.31	-145.8
059	G	-29.71	0.00	7.3	0.0	0.0	0.02	-0.37	0.00	189.7
		0.00	0.14	0.0	0.0	0.0	-2561.69	0.00	-0.37	-145.0
060	G	-29.71	0.00	7.6	0.0	0.0	0.02	-0.58	0.00	189.0
		0.00	0.16	0.0	0.0	0.0	-2546.93	0.00	-0.45	-144.2
061	G	-29.70	0.00	7.9	0.0	0.0	0.02	-0.82	0.00	188.3
		0.00	0.16	0.0	0.0	0.0	-2532.17	0.00	-0.53	-143.3
062	G	-29.70	0.00	8.1	0.0	0.0	0.02	-1.10	0.00	187.6
		0.00	0.17	0.0	0.0	0.0	-2517.42	0.00	-0.61	-142.5
063	G	-29.69	0.00	8.4	0.0	0.0	0.02	-1.42	0.00	186.9
		0.00	0.17	0.0	0.0	0.0	-2502.67	0.00	-0.69	-141.6
064	G	-29.68	0.00	8.7	0.0	0.0	0.02	-1.79	0.00	186.2
		0.00	0.16	0.0	0.0	0.0	-2487.92	0.00	-0.77	-140.8
065	G	-29.66	0.00	9.0	0.0	0.0	0.02	-2.19	0.00	185.5
		0.00	0.14	0.0	0.0	0.0	-2473.18	0.00	-0.85	-140.0
066	G	-29.65	0.00	9.3	0.0	0.0	0.02	-2.63	0.00	184.9
		0.00	0.12	0.0	0.0	0.0	-2458.45	0.00	-0.92	-139.1
067	G	-29.63	0.00	9.6	0.0	0.0	0.02	-3.10	0.00	184.2
		0.00	0.08	0.0	0.0	0.0	-2443.72	0.00	-0.96	-138.3
068	G	-29.60	0.00	9.9	0.0	0.0	0.02	-3.59	0.00	183.6
		0.00	0.03	0.0	0.0	0.0	-2429.01	0.00	-0.99	-137.5
Line 4	Section 30									D0060 NN0004
000	G	-2.24	0.00	9.9	0.0	0.0	0.02	-3.59	0.00	183.5
		0.00	0.00	0.0	0.0	0.0	-2429.01	0.00	-0.99	-137.5
001	G	-2.24	0.00	9.9	0.0	0.0	0.02	-3.69	0.00	183.6
		0.00	0.00	0.0	0.0	0.0	-2428.79	0.00	-0.99	-137.5
Line 4	Section 31									NN0004 D0061
000	G	0.00	0.00	9.9	0.0	0.0	0.02	-3.69	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2428.79	0.00	-0.99	-
001	G	0.00	0.00	10.0	0.0	0.0	0.02	-3.75	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2428.79	0.00	-1.27	-
002	G	0.00	0.00	10.0	0.0	0.0	0.02	-3.82	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2428.79	0.00	-1.55	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 32									D0061	D0062
000	G	0.00	0.00	10.0	0.0	0.0	0.02	-3.82	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2422.32	0.00	11.18	-
001	G	0.00	0.00	11.2	0.0	0.0	0.02	7.33	0.00	40.3
		0.00	0.00	0.0	0.0	0.0	-2422.32	0.00	0.00	-
002	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.82	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2422.32	0.00	-11.18	-
Line 4 Section 33									D0062	D0065
000	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.82	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2415.87	0.00	1.55	-
001	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.75	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2415.87	0.00	1.27	-
002	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.69	0.00	38.0
		0.00	0.00	0.0	0.0	0.0	-2415.87	0.00	0.99	-
Line 4 Section 34									D0065	D0070
000	G	-2.24	0.00	12.4	0.0	0.0	0.02	-3.69	0.00	182.9
		0.00	0.00	0.0	0.0	0.0	-2415.87	0.00	0.99	-136.7
001	G	-2.24	0.00	12.5	0.0	0.0	0.02	-3.59	0.00	182.8
		0.00	0.00	0.0	0.0	0.0	-2415.64	0.00	0.99	-136.7
Line 4 Section 35									D0070	D0075
000	G	-29.56	0.00	12.5	0.0	0.0	0.02	-3.59	0.00	182.8
		0.00	0.03	0.0	0.0	0.0	-2415.64	0.00	0.99	-136.7
001	G	-29.58	0.00	12.8	0.0	0.0	0.02	-3.10	0.00	181.9
		0.00	0.08	0.0	0.0	0.0	-2400.87	0.00	0.96	-135.9
002	G	-29.59	0.00	13.1	0.0	0.0	0.02	-2.63	0.00	181.0
		0.00	0.12	0.0	0.0	0.0	-2386.10	0.00	0.91	-135.0
003	G	-29.59	0.00	13.4	0.0	0.0	0.02	-2.19	0.00	180.1
		0.00	0.14	0.0	0.0	0.0	-2371.31	0.00	0.85	-134.2
004	G	-29.60	0.00	13.7	0.0	0.0	0.02	-1.78	0.00	179.2
		0.00	0.16	0.0	0.0	0.0	-2356.53	0.00	0.77	-133.4
005	G	-29.60	0.00	14.0	0.0	0.0	0.02	-1.41	0.00	178.3
		0.00	0.17	0.0	0.0	0.0	-2341.74	0.00	0.69	-132.5
006	G	-29.59	0.00	14.3	0.0	0.0	0.02	-1.09	0.00	177.4
		0.00	0.17	0.0	0.0	0.0	-2326.96	0.00	0.61	-131.7
007	G	-29.59	0.00	14.6	0.0	0.0	0.03	-0.81	0.00	176.5
		0.00	0.16	0.0	0.0	0.0	-2312.18	0.00	0.52	-130.9
008	G	-29.58	0.00	14.9	0.0	0.0	0.03	-0.57	0.00	175.7
		0.00	0.15	0.0	0.0	0.0	-2297.40	0.00	0.44	-130.0
009	G	-29.58	0.00	15.2	0.0	0.0	0.03	-0.36	0.00	174.8
		0.00	0.14	0.0	0.0	0.0	-2282.62	0.00	0.37	-129.2
010	G	-29.57	0.00	15.6	0.0	0.0	0.03	-0.20	0.00	174.0
		0.00	0.13	0.0	0.0	0.0	-2267.85	0.00	0.30	-128.4
011	G	-29.56	0.00	15.9	0.0	0.0	0.03	-0.06	0.00	173.1
		0.00	0.12	0.0	0.0	0.0	-2253.08	0.00	0.24	-127.5
012	G	-29.55	0.00	16.2	0.0	0.0	0.03	0.04	0.00	172.3
		0.00	0.10	0.0	0.0	0.0	-2238.31	0.00	0.18	-126.7
013	G	-29.54	0.00	16.5	0.0	0.0	0.03	0.12	0.00	171.6
		0.00	0.09	0.0	0.0	0.0	-2223.55	0.00	0.14	-125.8
014	G	-29.54	0.00	16.9	0.0	0.0	0.03	0.18	0.00	170.8
		0.00	0.08	0.0	0.0	0.0	-2208.80	0.00	0.10	-125.0
015	G	-29.53	0.00	17.2	0.0	0.0	0.03	0.22	0.00	170.0
		0.00	0.06	0.0	0.0	0.0	-2194.04	0.00	0.06	-124.2
016	G	-29.52	0.00	17.5	0.0	0.0	0.03	0.24	0.00	169.3
		0.00	0.05	0.0	0.0	0.0	-2179.29	0.00	0.03	-123.3
017	G	-29.52	0.00	17.8	0.0	0.0	0.03	0.25	0.00	168.5
		0.00	0.04	0.0	0.0	0.0	-2164.55	0.00	0.01	-122.5
018	G	-29.51	0.00	18.2	0.0	0.0	0.03	0.25	0.00	167.7
		0.00	0.03	0.0	0.0	0.0	-2149.80	0.00	-0.01	-121.7
019	G	-29.51	0.00	18.5	0.0	0.0	0.03	0.25	0.00	166.9
		0.00	0.02	0.0	0.0	0.0	-2135.06	0.00	-0.02	-120.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
020	G	-29.50	0.00	18.8	0.0	0.0	0.03	0.23	0.00	166.1	
		0.00	0.02	0.0	0.0	0.0	-2120.32	0.00	-0.03	-120.0	
021	G	-29.50	0.00	19.2	0.0	0.0	0.03	0.22	0.00	165.3	
		0.00	0.01	0.0	0.0	0.0	-2105.59	0.00	-0.04	-119.2	
022	G	-29.49	0.00	19.5	0.0	0.0	0.03	0.20	0.00	164.6	
		0.00	0.01	0.0	0.0	0.0	-2090.85	0.00	-0.04	-118.3	
Line	4	Section 36							D0075	D0080	
000	G	29.38	0.00	-30.5	0.0	0.0	0.03	0.20	0.00	164.6	
		0.00	0.01	0.0	0.0	0.0	-2090.85	0.00	-0.04	-118.3	
001	G	29.38	0.00	-30.1	0.0	0.0	0.03	0.18	0.00	165.3	
		0.00	0.00	0.0	0.0	0.0	-2105.54	0.00	-0.04	-119.2	
002	G	29.38	0.00	-29.8	0.0	0.0	0.03	0.15	0.00	166.1	
		0.00	0.00	0.0	0.0	0.0	-2120.23	0.00	-0.04	-120.0	
003	G	29.38	0.00	-29.5	0.0	0.0	0.03	0.13	0.00	166.9	
		0.00	0.00	0.0	0.0	0.0	-2134.92	0.00	-0.04	-120.8	
004	G	29.38	0.00	-29.1	0.0	0.0	0.04	0.11	0.00	167.6	
		0.00	0.01	0.0	0.0	0.0	-2149.61	0.00	-0.04	-121.7	
005	G	29.38	0.00	-28.8	0.0	0.0	0.04	0.09	0.00	168.4	
		0.00	0.01	0.0	0.0	0.0	-2164.30	0.00	-0.04	-122.5	
006	G	29.38	0.00	-28.5	0.0	0.0	0.04	0.08	0.00	169.2	
		0.00	0.01	0.0	0.0	0.0	-2178.99	0.00	-0.03	-123.3	
007	G	29.38	0.00	-28.1	0.0	0.0	0.04	0.06	0.00	169.9	
		0.00	0.01	0.0	0.0	0.0	-2193.68	0.00	-0.03	-124.2	
008	G	29.38	0.00	-27.8	0.0	0.0	0.04	0.05	0.00	170.7	
		0.00	0.01	0.0	0.0	0.0	-2208.37	0.00	-0.03	-125.0	
009	G	29.38	0.00	-27.5	0.0	0.0	0.04	0.03	0.00	171.5	
		0.00	0.01	0.0	0.0	0.0	-2223.06	0.00	-0.02	-125.8	
010	G	29.38	0.00	-27.2	0.0	0.0	0.04	0.02	0.00	172.3	
		0.00	0.01	0.0	0.0	0.0	-2237.75	0.00	-0.02	-126.7	
011	G	29.38	0.00	-26.8	0.0	0.0	0.04	0.02	0.00	173.0	
		0.00	0.01	0.0	0.0	0.0	-2252.44	0.00	-0.02	-127.5	
012	G	29.38	0.00	-26.5	0.0	0.0	0.04	0.01	0.00	173.8	
		0.00	0.01	0.0	0.0	0.0	-2267.13	0.00	-0.01	-128.3	
013	G	29.38	0.00	-26.2	0.0	0.0	0.04	0.00	0.00	174.6	
		0.00	0.01	0.0	0.0	0.0	-2281.82	0.00	-0.01	-129.1	
014	G	29.38	0.00	-25.9	0.0	0.0	0.04	0.00	0.00	175.4	
		0.00	0.00	0.0	0.0	0.0	-2296.50	0.00	-0.01	-130.0	
015	G	29.38	0.00	-25.6	0.0	0.0	0.04	-0.01	0.00	176.2	
		0.00	0.00	0.0	0.0	0.0	-2311.19	0.00	-0.01	-130.8	
016	G	29.38	0.00	-25.3	0.0	0.0	0.04	-0.01	0.00	176.9	
		0.00	0.00	0.0	0.0	0.0	-2325.88	0.00	0.00	-131.6	
017	G	29.38	0.00	-24.9	0.0	0.0	0.04	-0.01	0.00	177.7	
		0.00	0.00	0.0	0.0	0.0	-2340.57	0.00	0.00	-132.5	
018	G	29.38	0.00	-24.6	0.0	0.0	0.04	-0.01	0.00	178.5	
		0.00	0.00	0.0	0.0	0.0	-2355.26	0.00	0.00	-133.3	
019	G	29.38	0.00	-24.3	0.0	0.0	0.04	-0.01	0.00	179.3	
		0.00	0.00	0.0	0.0	0.0	-2369.94	0.00	0.00	-134.1	
020	G	29.38	0.00	-24.0	0.0	0.0	0.04	-0.01	0.00	180.1	
		0.00	0.00	0.0	0.0	0.0	-2384.63	0.00	0.00	-135.0	
021	G	29.37	0.00	-23.7	0.0	0.0	0.05	-0.01	0.00	180.9	
		0.00	0.00	0.0	0.0	0.0	-2399.32	0.00	0.00	-135.8	
022	G	29.37	0.00	-23.4	0.0	0.0	0.05	-0.01	0.00	181.6	
		0.00	0.00	0.0	0.0	0.0	-2414.01	0.00	0.00	-136.6	
023	G	29.37	0.00	-23.1	0.0	0.0	0.05	-0.01	0.00	182.4	
		0.00	0.00	0.0	0.0	0.0	-2428.69	0.00	0.00	-137.5	
024	G	29.37	0.00	-22.8	0.0	0.0	0.05	-0.01	0.00	183.2	
		0.00	0.00	0.0	0.0	0.0	-2443.38	0.00	0.00	-138.3	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 37							D0080	D0090	
000	G	29.37	0.00	-22.8	0.0	0.0	0.05	-0.01	0.00	183.2	
		0.00	0.00	0.0	0.0	0.0	-2443.38	0.00	0.00	-138.3	
001	G	28.54	0.00	-22.5	0.0	0.0	0.05	-0.01	0.00	184.0	
		0.00	0.00	0.0	0.0	0.0	-2457.86	0.00	0.00	-139.1	
002	G	27.70	0.00	-22.3	0.0	0.0	0.05	-0.01	0.00	184.7	
		0.00	0.00	0.0	0.0	0.0	-2471.92	0.00	0.00	-139.9	
003	G	26.87	0.00	-22.0	0.0	0.0	0.05	-0.01	0.00	185.5	
		0.00	0.00	0.0	0.0	0.0	-2485.56	0.00	0.00	-140.7	
004	G	26.03	0.00	-21.7	0.0	0.0	0.05	0.00	0.00	186.2	
		0.00	0.00	0.0	0.0	0.0	-2498.79	0.00	0.00	-141.4	
005	G	25.20	0.00	-21.4	0.0	0.0	0.05	0.00	0.00	186.9	
		0.00	0.00	0.0	0.0	0.0	-2511.60	0.00	0.00	-142.2	
006	G	24.36	0.00	-21.1	0.0	0.0	0.05	0.00	0.00	187.5	
		0.00	0.00	0.0	0.0	0.0	-2523.99	0.00	0.00	-142.9	
007	G	23.53	0.00	-20.8	0.0	0.0	0.05	0.00	0.00	188.2	
		0.00	0.00	0.0	0.0	0.0	-2535.96	0.00	0.00	-143.5	
008	G	22.69	0.00	-20.5	0.0	0.0	0.05	0.00	0.00	188.8	
		0.00	0.00	0.0	0.0	0.0	-2547.52	0.00	0.00	-144.2	
009	G	21.86	0.00	-20.3	0.0	0.0	0.06	0.00	0.00	189.4	
		0.00	0.00	0.0	0.0	0.0	-2558.66	0.00	0.00	-144.8	
010	G	21.03	0.00	-20.0	0.0	0.0	0.06	0.00	0.00	190.0	
		0.00	0.00	0.0	0.0	0.0	-2569.38	0.00	0.00	-145.4	
011	G	20.19	0.00	-19.7	0.0	0.0	0.06	0.00	0.00	190.5	
		0.00	0.00	0.0	0.0	0.0	-2579.68	0.00	0.00	-146.0	
012	G	19.36	0.00	-19.4	0.0	0.0	0.06	0.00	0.00	191.0	
		0.00	0.00	0.0	0.0	0.0	-2589.57	0.00	0.00	-146.6	
013	G	18.52	0.00	-19.2	0.0	0.0	0.06	0.00	0.00	191.6	
		0.00	0.00	0.0	0.0	0.0	-2599.04	0.00	0.00	-147.1	
014	G	17.69	0.00	-18.9	0.0	0.0	0.06	0.00	0.00	192.0	
		0.00	0.00	0.0	0.0	0.0	-2608.09	0.00	0.00	-147.6	
015	G	16.85	0.00	-18.6	0.0	0.0	0.06	0.00	0.00	192.5	
		0.00	0.00	0.0	0.0	0.0	-2616.72	0.00	0.00	-148.1	
016	G	16.02	0.00	-18.4	0.0	0.0	0.06	0.00	0.00	192.9	
		0.00	0.00	0.0	0.0	0.0	-2624.94	0.00	0.00	-148.6	
017	G	15.18	0.00	-18.1	0.0	0.0	0.06	0.00	0.00	193.4	
		0.00	0.00	0.0	0.0	0.0	-2632.74	0.00	0.00	-149.0	
018	G	14.35	0.00	-17.8	0.0	0.0	0.06	0.00	0.00	193.8	
		0.00	0.00	0.0	0.0	0.0	-2640.12	0.00	0.00	-149.4	
019	G	13.51	0.00	-17.6	0.0	0.0	0.06	0.00	0.00	194.1	
		0.00	0.00	0.0	0.0	0.0	-2647.09	0.00	0.00	-149.8	
020	G	12.68	0.00	-17.3	0.0	0.0	0.06	0.00	0.00	194.5	
		0.00	0.00	0.0	0.0	0.0	-2653.63	0.00	0.00	-150.2	
021	G	11.84	0.00	-17.0	0.0	0.0	0.07	0.00	0.00	194.8	
		0.00	0.00	0.0	0.0	0.0	-2659.76	0.00	0.00	-150.5	
022	G	11.01	0.00	-16.8	0.0	0.0	0.07	0.00	0.00	195.1	
		0.00	0.00	0.0	0.0	0.0	-2665.48	0.00	0.00	-150.9	
023	G	10.17	0.00	-16.5	0.0	0.0	0.07	0.00	0.00	195.4	
		0.00	0.00	0.0	0.0	0.0	-2670.77	0.00	0.00	-151.2	
024	G	9.34	0.00	-16.2	0.0	0.0	0.07	0.00	0.00	195.7	
		0.00	0.00	0.0	0.0	0.0	-2675.65	0.00	0.00	-151.4	
025	G	8.50	0.00	-16.0	0.0	0.0	0.07	0.00	0.00	195.9	
		0.00	0.00	0.0	0.0	0.0	-2680.11	0.00	0.00	-151.7	
026	G	7.67	0.00	-15.7	0.0	0.0	0.07	0.00	0.00	196.1	
		0.00	0.00	0.0	0.0	0.0	-2684.15	0.00	0.00	-151.9	
027	G	6.83	0.00	-15.4	0.0	0.0	0.07	0.00	0.00	196.3	
		0.00	0.00	0.0	0.0	0.0	-2687.78	0.00	0.00	-152.1	
028	G	6.00	0.00	-15.2	0.0	0.0	0.07	0.00	0.00	196.5	
		0.00	0.00	0.0	0.0	0.0	-2690.99	0.00	0.00	-152.3	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 38							D0090	D0091	
000	G	6.00	0.00	-15.2	0.0	0.0	0.07	0.00	0.00	196.5	
		0.00	0.00	0.0	0.0	0.0	-2690.99	0.00	0.00	-152.3	
001	G	6.00	0.00	-14.9	0.0	0.0	0.07	0.00	0.00	196.7	
		0.00	0.00	0.0	0.0	0.0	-2693.98	0.00	0.00	-152.5	
002	G	6.00	0.00	-14.7	0.0	0.0	0.07	0.00	0.00	196.8	
		0.00	0.00	0.0	0.0	0.0	-2696.98	0.00	0.00	-152.6	
003	G	6.00	0.00	-14.4	0.0	0.0	0.07	0.00	0.00	197.0	
		0.00	0.00	0.0	0.0	0.0	-2699.97	0.00	0.00	-152.8	
004	G	6.00	0.00	-14.2	0.0	0.0	0.07	0.00	0.00	197.1	
		0.00	0.00	0.0	0.0	0.0	-2702.97	0.00	0.00	-153.0	
005	G	6.00	0.00	-13.9	0.0	0.0	0.07	0.00	0.00	197.3	
		0.00	0.00	0.0	0.0	0.0	-2705.96	0.00	0.00	-153.2	
006	G	6.00	0.00	-13.6	0.0	0.0	0.07	0.00	0.00	197.5	
		0.00	0.00	0.0	0.0	0.0	-2708.96	0.00	0.00	-153.3	
007	G	6.00	0.00	-13.4	0.0	0.0	0.07	0.00	0.00	197.6	
		0.00	0.00	0.0	0.0	0.0	-2711.95	0.00	0.00	-153.5	
008	G	6.00	0.00	-13.1	0.0	0.0	0.07	0.00	0.00	197.8	
		0.00	0.00	0.0	0.0	0.0	-2714.95	0.00	0.00	-153.7	
009	G	6.00	0.00	-12.9	0.0	0.0	0.07	0.00	0.00	198.0	
		0.00	0.00	0.0	0.0	0.0	-2717.95	0.00	0.00	-153.8	
010	G	6.00	0.00	-12.6	0.0	0.0	0.08	0.00	0.00	198.1	
		0.00	0.00	0.0	0.0	0.0	-2720.94	0.00	0.00	-154.0	
011	G	6.00	0.00	-12.4	0.0	0.0	0.08	0.00	0.00	198.3	
		0.00	0.00	0.0	0.0	0.0	-2723.94	0.00	0.00	-154.2	
012	G	6.00	0.00	-12.1	0.0	0.0	0.08	0.00	0.00	198.4	
		0.00	0.00	0.0	0.0	0.0	-2726.93	0.00	0.00	-154.3	
013	G	6.00	0.00	-11.8	0.0	0.0	0.08	0.00	0.00	198.6	
		0.00	0.00	0.0	0.0	0.0	-2729.93	0.00	0.00	-154.5	
014	G	6.00	0.00	-11.6	0.0	0.0	0.08	0.00	0.00	198.8	
		0.00	0.00	0.0	0.0	0.0	-2732.92	0.00	0.00	-154.7	
015	G	6.00	0.00	-11.3	0.0	0.0	0.08	0.00	0.00	198.9	
		0.00	0.00	0.0	0.0	0.0	-2735.92	0.00	0.00	-154.8	
016	G	6.00	0.00	-11.1	0.0	0.0	0.08	0.00	0.00	199.1	
		0.00	0.00	0.0	0.0	0.0	-2738.91	0.00	0.00	-155.0	
017	G	6.00	0.00	-10.8	0.0	0.0	0.08	0.00	0.00	199.2	
		0.00	0.00	0.0	0.0	0.0	-2741.91	0.00	0.00	-155.2	
018	G	6.00	0.00	-10.6	0.0	0.0	0.08	0.00	0.00	199.4	
		0.00	0.00	0.0	0.0	0.0	-2744.90	0.00	0.00	-155.4	
019	G	6.00	0.00	-10.3	0.0	0.0	0.08	0.00	0.00	199.6	
		0.00	0.00	0.0	0.0	0.0	-2747.90	0.00	0.00	-155.5	
020	G	6.00	0.00	-10.1	0.0	0.0	0.08	0.00	0.00	199.7	
		0.00	0.00	0.0	0.0	0.0	-2750.89	0.00	0.00	-155.7	
021	G	6.00	0.00	-9.8	0.0	0.0	0.08	0.00	0.00	199.9	
		0.00	0.00	0.0	0.0	0.0	-2753.89	0.00	0.00	-155.9	
022	G	6.00	0.00	-9.6	0.0	0.0	0.08	0.00	0.00	200.1	
		0.00	0.00	0.0	0.0	0.0	-2756.89	0.00	0.00	-156.0	
023	G	6.00	0.00	-9.3	0.0	0.0	0.09	0.00	0.00	200.2	
		0.00	0.00	0.0	0.0	0.0	-2759.88	0.00	0.00	-156.2	
024	G	6.00	0.00	-9.1	0.0	0.0	0.09	0.00	0.00	200.4	
		0.00	0.00	0.0	0.0	0.0	-2762.88	0.00	0.00	-156.4	
025	G	6.00	0.00	-8.8	0.0	0.0	0.09	0.00	0.00	200.5	
		0.00	0.00	0.0	0.0	0.0	-2765.87	0.00	0.00	-156.5	
026	G	6.00	0.00	-8.6	0.0	0.0	0.09	0.00	0.00	200.7	
		0.00	0.00	0.0	0.0	0.0	-2768.87	0.00	0.00	-156.7	
027	G	6.00	0.00	-8.3	0.0	0.0	0.09	0.00	0.00	200.9	
		0.00	0.00	0.0	0.0	0.0	-2771.86	0.00	0.00	-156.9	
028	G	6.00	0.00	-8.1	0.0	0.0	0.09	0.00	0.00	201.0	
		0.00	0.00	0.0	0.0	0.0	-2774.86	0.00	0.00	-157.1	
029	G	6.00	0.00	-7.8	0.0	0.0	0.09	0.00	0.00	201.2	
		0.00	0.00	0.0	0.0	0.0	-2777.85	0.00	0.00	-157.2	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	6.00	0.00	-7.6	0.0	0.0	0.09	0.00	0.00	201.3
		0.00	0.00	0.0	0.0	0.0	-2780.85	0.00	0.00	-157.4
031	G	6.00	0.00	-7.3	0.0	0.0	0.10	0.00	0.00	201.5
		0.00	0.00	0.0	0.0	0.0	-2783.84	0.00	0.00	-157.6
032	G	6.00	0.00	-7.1	0.0	0.0	0.10	0.00	0.00	201.7
		0.00	0.00	0.0	0.0	0.0	-2786.84	0.00	0.00	-157.7
Line	4	Section	39						D0091	D0092
000	G	6.00	0.00	-7.1	0.0	0.0	0.10	0.00	0.00	201.7
		0.00	0.00	0.0	0.0	0.0	-2786.84	0.00	0.00	-157.7
001	G	6.78	0.00	-6.8	0.0	0.0	0.10	0.00	0.00	201.8
		0.00	0.00	0.0	0.0	0.0	-2790.03	0.00	0.00	-157.9
002	G	7.56	0.00	-6.6	0.0	0.0	0.10	0.00	0.00	202.0
		0.00	0.00	0.0	0.0	0.0	-2793.62	0.00	0.00	-158.1
003	G	8.33	0.00	-6.3	0.0	0.0	0.10	0.00	0.00	202.3
		-0.01	0.00	0.0	0.0	0.0	-2797.59	0.00	0.00	-158.3
004	G	9.11	0.00	-6.1	0.0	0.0	0.11	0.00	0.00	202.5
		-0.01	0.00	0.0	0.0	0.0	-2801.95	0.00	0.00	-158.6
005	G	9.89	0.00	-5.9	0.0	0.0	0.11	0.00	0.00	202.7
		-0.01	0.00	0.0	0.0	0.0	-2806.70	0.00	0.00	-158.9
006	G	10.67	0.00	-5.6	0.0	0.0	0.11	0.00	0.00	203.0
		-0.01	0.00	0.0	0.0	0.0	-2811.84	0.00	0.00	-159.1
007	G	11.45	0.00	-5.4	0.0	0.0	0.12	0.00	0.00	203.3
		-0.01	0.00	0.0	0.0	0.0	-2817.37	0.00	0.00	-159.5
008	G	12.23	0.00	-5.1	0.0	0.0	0.12	0.00	0.00	203.6
		-0.01	0.00	0.0	0.0	0.0	-2823.29	0.00	0.00	-159.8
009	G	13.01	0.00	-4.9	0.0	0.0	0.13	0.00	0.00	204.0
		-0.01	0.00	0.0	0.0	0.0	-2829.60	0.00	0.00	-160.2
010	G	13.79	0.00	-4.6	0.0	0.0	0.13	0.00	0.00	204.3
		-0.01	0.00	0.0	0.0	0.0	-2836.30	0.00	0.00	-160.5
011	G	14.57	0.00	-4.4	0.0	0.0	0.14	0.00	0.00	204.7
		-0.02	0.00	0.0	0.0	0.0	-2843.39	0.00	0.00	-160.9
012	G	15.34	0.00	-4.2	0.0	0.0	0.15	0.00	0.00	205.1
		-0.02	0.00	0.0	0.0	0.0	-2850.87	0.00	0.00	-161.4
013	G	16.12	0.00	-3.9	0.0	0.0	0.16	0.00	0.00	205.6
		-0.02	0.00	0.0	0.0	0.0	-2858.74	0.00	0.00	-161.8
014	G	16.90	0.00	-3.7	0.0	0.0	0.17	0.00	0.00	206.0
		-0.02	0.00	0.0	0.0	0.0	-2866.99	0.00	0.00	-162.3
015	G	17.68	0.00	-3.5	0.0	0.0	0.18	0.00	0.00	206.5
		-0.03	0.00	0.0	0.0	0.0	-2875.64	0.00	0.00	-162.8
016	G	18.46	0.00	-3.2	0.0	0.0	0.19	0.00	0.00	207.0
		-0.03	0.00	0.0	0.0	0.0	-2884.67	0.00	0.00	-163.3
017	G	19.24	0.00	-3.0	0.0	0.0	0.21	0.00	0.00	207.5
		-0.03	0.00	0.0	0.0	0.0	-2894.10	0.00	0.00	-163.8
018	G	20.02	0.00	-2.8	0.0	0.0	0.23	0.00	0.00	208.0
		-0.04	0.00	0.0	0.0	0.0	-2903.91	0.00	0.00	-164.4
019	G	20.80	0.00	-2.5	0.0	0.0	0.25	0.00	0.00	208.6
		-0.04	0.00	0.0	0.0	0.0	-2914.12	0.00	0.00	-164.9
020	G	21.58	0.00	-2.3	0.0	0.0	0.27	0.00	0.00	209.1
		-0.05	0.00	0.0	0.0	0.0	-2924.71	0.00	0.00	-165.5
021	G	22.35	0.00	-2.1	0.0	0.0	0.30	0.00	0.00	209.7
		-0.06	0.00	0.0	0.0	0.0	-2935.69	0.00	0.00	-166.2
022	G	23.13	0.00	-1.8	0.0	0.0	0.34	0.00	0.00	210.3
		-0.07	0.00	0.0	0.0	0.0	-2947.06	0.00	0.00	-166.8
023	G	23.91	0.00	-1.6	0.0	0.0	0.38	0.00	0.00	211.0
		-0.09	0.00	0.0	0.0	0.0	-2958.82	0.00	0.00	-167.5
024	G	24.69	0.00	-1.4	0.0	0.0	0.43	0.00	0.00	211.6
		-0.11	0.00	0.0	0.0	0.0	-2970.97	0.00	0.00	-168.2
025	G	25.47	0.00	-1.2	0.0	0.0	0.49	0.00	0.00	212.3
		-0.14	0.00	0.0	0.0	0.0	-2983.51	0.00	0.00	-168.9
026	G	24.99	0.00	-1.0	0.0	0.0	0.57	0.00	0.00	213.0
		-0.18	0.00	0.0	0.0	0.0	-2996.13	0.00	0.00	-169.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
027	G	19.83	0.00	-0.7	0.0	0.0	0.67	0.00	0.00	213.6
		-0.20	0.00	0.0	0.0	0.0	-3007.33	0.00	0.00	-170.2
028	G	14.38	0.00	-0.5	0.0	0.0	0.77	0.00	0.00	214.1
		-0.21	0.00	0.0	0.0	0.0	-3015.89	0.00	0.00	-170.7
029	G	8.62	0.00	-0.3	0.0	0.0	0.88	0.00	0.00	214.4
		-0.23	0.00	0.0	0.0	0.0	-3021.64	0.00	0.00	-171.0
030	G	2.53	0.00	-0.1	0.0	0.0	1.01	0.00	0.00	214.5
		-0.26	0.00	0.0	0.0	0.0	-3024.42	0.00	0.00	-171.2
Line 4 Section 40									D0092 NN0012	
000	G	0.19	0.00	-0.1	0.0	0.0	1.01	0.00	0.00	214.5
		-0.02	0.00	0.0	0.0	0.0	-3024.42	0.00	0.00	-171.2
001	G	0.10	0.00	0.0	0.0	0.0	1.01	0.00	0.00	214.5
		-0.02	0.00	0.0	0.0	0.0	-3024.44	0.00	0.00	-171.2
Line 4 Section 41									NN0012 GNA-1	
000	G	0.00	0.00	0.0	0.0	0.0	1.01	0.00	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-3024.44	0.00	0.00	-
001	G	0.00	0.00	0.0	0.0	0.0	1.01	-0.01	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-3024.44	0.00	-0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	1.01	-0.03	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-3024.44	0.00	-0.56	-
Line 4 Section 42									GNA-1 D0094	
000	G	0.00	0.00	0.0	0.0	0.0	1.01	-0.03	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-2834.88	0.00	0.56	-
001	G	0.00	0.00	0.0	0.0	0.0	1.01	-0.01	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-2834.88	0.00	0.28	-
002	G	0.00	0.00	0.0	0.0	0.0	1.01	0.00	0.00	35.9
		0.00	0.00	0.0	0.0	0.0	-2834.88	0.00	0.00	-
Line 4 Section 43									D0094 D0095	
000	G	-0.11	0.00	0.0	0.0	0.0	1.01	0.00	0.00	204.3
		-0.02	0.00	0.0	0.0	0.0	-2834.88	0.00	0.00	-160.5
001	G	-0.21	0.00	0.1	0.0	0.0	1.01	0.00	0.00	204.3
		-0.02	0.00	0.0	0.0	0.0	-2834.87	0.00	0.00	-160.4
Line 4 Section 44									D0095 D0100	
000	G	-2.84	0.00	0.1	0.0	0.0	1.01	0.00	0.00	204.3
		-0.27	0.00	0.0	0.0	0.0	-2834.87	0.00	0.00	-160.4
001	G	-9.92	0.00	0.3	0.0	0.0	1.15	0.00	0.00	204.1
		-0.29	0.00	0.0	0.0	0.0	-2831.68	0.00	0.00	-160.3
002	G	-17.02	0.00	0.6	0.0	0.0	1.30	0.00	0.00	203.7
		-0.31	0.00	0.1	0.0	0.0	-2824.95	0.00	0.00	-159.9
003	G	-24.15	0.00	0.8	0.0	0.0	1.46	0.00	0.00	203.2
		-0.33	0.00	0.1	0.0	0.0	-2814.65	0.00	0.00	-159.3
004	G	-29.42	0.00	1.1	0.0	0.0	1.63	0.00	0.00	202.5
		-0.34	0.00	0.1	0.0	0.0	-2801.26	0.00	0.00	-158.5
Line 4 Section 45									D0100 D0110	
000	G	-29.42	0.00	1.1	0.0	0.0	1.63	0.00	0.00	202.5
		-0.34	0.00	0.1	0.0	0.0	-2801.26	0.00	0.00	-158.5
001	G	-28.77	0.00	1.3	0.0	0.0	1.78	0.00	0.00	201.7
		-0.29	0.00	0.1	0.0	0.0	-2786.72	0.00	0.00	-157.7
002	G	-28.12	0.00	1.6	0.0	0.0	1.92	0.00	0.00	200.9
		-0.26	0.00	0.1	0.0	0.0	-2772.49	0.00	0.00	-156.9
003	G	-27.47	0.00	1.8	0.0	0.0	2.05	0.00	0.00	200.1
		-0.23	0.00	0.1	0.0	0.0	-2758.60	0.00	0.00	-156.1
004	G	-26.82	0.00	2.1	0.0	0.0	2.16	0.00	0.00	199.4
		-0.22	0.00	0.1	0.0	0.0	-2745.03	0.00	0.00	-155.4
005	G	-26.17	0.00	2.3	0.0	0.0	2.26	0.00	0.00	198.7
		-0.20	0.00	0.1	0.0	0.0	-2731.78	0.00	0.00	-154.6
006	G	-25.52	0.00	2.6	0.0	0.0	2.36	0.00	0.00	198.0
		-0.19	0.00	0.1	0.0	0.0	-2718.86	0.00	0.00	-153.9
007	G	-24.87	0.00	2.8	0.0	0.0	2.46	0.00	0.00	197.3
		-0.18	0.00	0.1	0.0	0.0	-2706.27	0.00	0.00	-153.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	-24.22	0.00	3.1	0.0	0.0	2.54	0.00	0.00	196.7
		-0.17	0.00	0.1	0.0	0.0	-2694.00	0.00	0.00	-152.5
009	G	-23.57	0.00	3.3	0.0	0.0	2.63	0.00	0.00	196.0
		-0.17	0.00	0.1	0.0	0.0	-2682.05	0.00	0.00	-151.8
010	G	-22.92	0.00	3.6	0.0	0.0	2.71	0.00	0.00	195.4
		-0.16	0.00	0.1	0.0	0.0	-2670.43	0.00	0.00	-151.1
011	G	-22.26	0.00	3.9	0.0	0.0	2.79	0.00	0.00	194.8
		-0.15	0.00	0.1	0.0	0.0	-2659.13	0.00	0.00	-150.5
012	G	-21.61	0.00	4.1	0.0	0.0	2.87	0.00	0.00	194.2
		-0.15	0.00	0.1	0.0	0.0	-2648.16	0.00	0.00	-149.9
013	G	-20.96	0.00	4.4	0.0	0.0	2.94	0.00	0.00	193.6
		-0.14	0.00	0.1	0.0	0.0	-2637.52	0.00	0.00	-149.3
014	G	-20.31	0.00	4.7	0.0	0.0	3.01	0.00	0.00	193.1
		-0.14	0.00	0.2	0.0	0.0	-2627.20	0.00	0.00	-148.7
015	G	-19.66	0.00	4.9	0.0	0.0	3.08	0.00	0.00	192.5
		-0.13	0.00	0.2	0.0	0.0	-2617.21	0.00	0.00	-148.1
016	G	-19.01	0.00	5.2	0.0	0.0	3.14	0.00	0.00	192.0
		-0.13	0.00	0.2	0.0	0.0	-2607.54	0.00	0.00	-147.6
017	G	-18.36	0.00	5.5	0.0	0.0	3.21	0.00	0.00	191.5
		-0.12	0.00	0.2	0.0	0.0	-2598.19	0.00	0.00	-147.1
018	G	-17.71	0.00	5.8	0.0	0.0	3.27	0.00	0.00	191.0
		-0.12	0.00	0.2	0.0	0.0	-2589.17	0.00	0.00	-146.5
019	G	-17.06	0.00	6.0	0.0	0.0	3.33	0.00	0.00	190.6
		-0.12	0.00	0.2	0.0	0.0	-2580.48	0.00	0.00	-146.1
020	G	-16.41	0.00	6.3	0.0	0.0	3.38	0.00	0.00	190.1
		-0.11	0.00	0.2	0.0	0.0	-2572.11	0.00	0.00	-145.6
021	G	-15.76	0.00	6.6	0.0	0.0	3.44	0.00	0.00	189.7
		-0.11	0.00	0.2	0.0	0.0	-2564.07	0.00	0.00	-145.1
022	G	-15.11	0.00	6.9	0.0	0.0	3.49	0.00	0.00	189.3
		-0.10	0.00	0.2	0.0	0.0	-2556.35	0.00	0.00	-144.7
023	G	-14.46	0.00	7.1	0.0	0.0	3.54	0.00	0.00	188.9
		-0.10	0.00	0.2	0.0	0.0	-2548.95	0.00	0.00	-144.3
024	G	-13.81	0.00	7.4	0.0	0.0	3.59	0.00	0.00	188.5
		-0.10	0.00	0.3	0.0	0.0	-2541.89	0.00	0.00	-143.9
025	G	-13.16	0.00	7.7	0.0	0.0	3.64	0.00	0.00	188.1
		-0.09	0.00	0.3	0.0	0.0	-2535.14	0.00	0.00	-143.5
026	G	-12.51	0.00	8.0	0.0	0.0	3.68	0.00	0.00	187.8
		-0.09	0.00	0.3	0.0	0.0	-2528.73	0.00	0.00	-143.1
027	G	-11.86	0.00	8.3	0.0	0.0	3.73	0.00	0.00	187.5
		-0.08	0.00	0.3	0.0	0.0	-2522.63	0.00	0.00	-142.8
028	G	-11.21	0.00	8.6	0.0	0.0	3.77	0.00	0.00	187.1
		-0.08	0.00	0.3	0.0	0.0	-2516.86	0.00	0.00	-142.5
029	G	-10.56	0.00	8.8	0.0	0.0	3.80	0.00	0.00	186.9
		-0.07	0.00	0.3	0.0	0.0	-2511.42	0.00	0.00	-142.1
030	G	-9.91	0.00	9.1	0.0	0.0	3.84	0.00	0.00	186.6
		-0.07	0.00	0.3	0.0	0.0	-2506.30	0.00	0.00	-141.9
031	G	-9.26	0.00	9.4	0.0	0.0	3.87	0.00	0.00	186.3
		-0.07	0.00	0.3	0.0	0.0	-2501.51	0.00	0.00	-141.6
032	G	-8.61	0.00	9.7	0.0	0.0	3.91	0.00	0.00	186.1
		-0.06	0.00	0.3	0.0	0.0	-2497.04	0.00	0.00	-141.3
033	G	-7.96	0.00	10.0	0.0	0.0	3.93	0.00	0.00	185.9
		-0.06	0.00	0.4	0.0	0.0	-2492.90	0.00	0.00	-141.1
034	G	-7.31	0.00	10.3	0.0	0.0	3.96	0.00	0.00	185.7
		-0.05	0.00	0.4	0.0	0.0	-2489.09	0.00	0.00	-140.9
035	G	-6.66	0.00	10.6	0.0	0.0	3.99	0.00	0.00	185.5
		-0.05	0.00	0.4	0.0	0.0	-2485.59	0.00	0.00	-140.7
036	G	-6.01	0.00	10.8	0.0	0.0	4.01	0.00	0.00	185.3
		-0.04	0.00	0.4	0.0	0.0	-2482.43	0.00	0.00	-140.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 46							D0110	D0115	
000	G	-6.01	0.00	10.8	0.0	0.0	4.01	0.00	0.00	185.3	
		-0.04	0.00	0.4	0.0	0.0	-2482.43	0.00	0.00	-140.5	
001	G	-6.15	0.00	11.1	0.0	0.0	4.03	0.00	0.00	185.1	
		-0.04	0.00	0.4	0.0	0.0	-2479.39	0.00	0.00	-140.3	
002	G	-6.30	0.00	11.4	0.0	0.0	4.05	0.00	0.00	185.0	
		-0.05	0.00	0.4	0.0	0.0	-2476.28	0.00	0.00	-140.2	
003	G	-6.44	0.00	11.7	0.0	0.0	4.08	0.00	0.00	184.8	
		-0.05	0.00	0.4	0.0	0.0	-2473.09	0.00	0.00	-140.0	
004	G	-6.59	0.00	12.0	0.0	0.0	4.10	0.00	0.00	184.6	
		-0.05	0.00	0.4	0.0	0.0	-2469.84	0.00	0.00	-139.8	
005	G	-6.73	0.00	12.3	0.0	0.0	4.13	0.00	0.00	184.5	
		-0.05	0.00	0.4	0.0	0.0	-2466.51	0.00	0.00	-139.6	
006	G	-6.88	0.00	12.6	0.0	0.0	4.15	0.00	0.00	184.3	
		-0.05	0.00	0.5	0.0	0.0	-2463.11	0.00	0.00	-139.4	
007	G	-7.02	0.00	12.9	0.0	0.0	4.18	0.00	0.00	184.1	
		-0.05	0.00	0.5	0.0	0.0	-2459.64	0.00	0.00	-139.2	
008	G	-7.16	0.00	13.2	0.0	0.0	4.20	0.00	0.00	183.9	
		-0.05	0.00	0.5	0.0	0.0	-2456.10	0.00	0.00	-139.0	
009	G	-7.31	0.00	13.5	0.0	0.0	4.23	0.00	0.00	183.7	
		-0.05	0.00	0.5	0.0	0.0	-2452.48	0.00	0.00	-138.8	
010	G	-7.45	0.00	13.8	0.0	0.0	4.26	0.00	0.00	183.5	
		-0.06	0.00	0.5	0.0	0.0	-2448.79	0.00	0.00	-138.6	
011	G	-7.60	0.00	14.0	0.0	0.0	4.28	0.00	0.00	183.3	
		-0.06	0.00	0.5	0.0	0.0	-2445.03	0.00	0.00	-138.4	
012	G	-7.74	0.00	14.3	0.0	0.0	4.31	0.00	0.00	183.1	
		-0.06	0.00	0.5	0.0	0.0	-2441.20	0.00	0.00	-138.2	
013	G	-7.89	0.00	14.6	0.0	0.0	4.34	0.00	0.00	182.9	
		-0.06	0.00	0.5	0.0	0.0	-2437.29	0.00	0.00	-137.9	
014	G	-8.03	0.00	14.9	0.0	0.0	4.37	0.00	0.00	182.7	
		-0.06	0.00	0.6	0.0	0.0	-2433.31	0.00	0.00	-137.7	
015	G	-8.18	0.00	15.2	0.0	0.0	4.40	0.00	0.00	182.5	
		-0.06	0.00	0.6	0.0	0.0	-2429.26	0.00	0.00	-137.5	
016	G	-8.32	0.00	15.5	0.0	0.0	4.43	0.00	0.00	182.2	
		-0.06	0.00	0.6	0.0	0.0	-2425.14	0.00	0.00	-137.3	
017	G	-8.46	0.00	15.8	0.0	0.0	4.46	0.00	0.00	182.0	
		-0.06	0.00	0.6	0.0	0.0	-2420.95	0.00	0.00	-137.0	
018	G	-8.61	0.00	16.1	0.0	0.0	4.50	0.00	0.00	181.8	
		-0.07	0.00	0.6	0.0	0.0	-2416.68	0.00	0.00	-136.8	
019	G	-8.75	0.00	16.4	0.0	0.0	4.53	0.00	0.00	181.6	
		-0.07	0.00	0.6	0.0	0.0	-2412.34	0.00	0.00	-136.5	
020	G	-8.90	0.00	16.7	0.0	0.0	4.56	0.00	0.00	181.3	
		-0.07	0.00	0.6	0.0	0.0	-2407.93	0.00	0.00	-136.3	
021	G	-9.04	0.00	17.0	0.0	0.0	4.60	0.00	0.00	181.1	
		-0.07	0.00	0.6	0.0	0.0	-2403.45	0.00	0.00	-136.0	
022	G	-9.19	0.00	17.3	0.0	0.0	4.63	0.00	0.00	180.8	
		-0.07	0.00	0.7	0.0	0.0	-2398.89	0.00	0.00	-135.8	
023	G	-9.33	0.00	17.6	0.0	0.0	4.67	0.00	0.00	180.6	
		-0.07	0.00	0.7	0.0	0.0	-2394.26	0.00	0.00	-135.5	
024	G	-9.48	0.00	17.9	0.0	0.0	4.70	0.00	0.00	180.3	
		-0.07	0.00	0.7	0.0	0.0	-2389.57	0.00	0.00	-135.2	
025	G	-9.62	0.00	18.2	0.0	0.0	4.74	0.00	0.00	180.1	
		-0.07	0.00	0.7	0.0	0.0	-2384.79	0.00	0.00	-135.0	
026	G	-9.77	0.00	18.5	0.0	0.0	4.78	0.00	0.00	179.8	
		-0.08	0.00	0.7	0.0	0.0	-2379.95	0.00	0.00	-134.7	
027	G	-9.91	0.00	18.8	0.0	0.0	4.82	0.00	0.00	179.6	
		-0.08	0.00	0.7	0.0	0.0	-2375.03	0.00	0.00	-134.4	
028	G	-10.05	0.00	19.1	0.0	0.0	4.86	0.00	0.00	179.3	
		-0.08	0.00	0.7	0.0	0.0	-2370.04	0.00	0.00	-134.1	
029	G	-10.20	0.00	19.4	0.0	0.0	4.90	0.00	0.00	179.0	
		-0.08	0.00	0.8	0.0	0.0	-2364.98	0.00	0.00	-133.9	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	-10.34	0.00	19.7	0.0	0.0	4.94	0.00	0.00	178.8
		-0.08	0.00	0.8	0.0	0.0	-2359.85	0.00	0.00	-133.6
031	G	-10.49	0.00	20.0	0.0	0.0	4.98	0.00	0.00	178.5
		-0.08	0.00	0.8	0.0	0.0	-2354.64	0.00	0.00	-133.3
032	G	-10.63	0.00	20.3	0.0	0.0	5.02	0.00	0.00	178.2
		-0.08	0.00	0.8	0.0	0.0	-2349.37	0.00	0.00	-133.0
033	G	-10.78	0.00	20.7	0.0	0.0	5.06	0.00	0.00	177.9
		-0.09	0.00	0.8	0.0	0.0	-2344.02	0.00	0.00	-132.7
034	G	-10.92	0.00	21.0	0.0	0.0	5.10	0.00	0.00	177.6
		-0.09	0.00	0.8	0.0	0.0	-2338.60	0.00	0.00	-132.4
035	G	-11.07	0.00	21.3	0.0	0.0	5.15	0.00	0.00	177.3
		-0.09	0.00	0.8	0.0	0.0	-2333.10	0.00	0.00	-132.0
036	G	-11.21	0.00	21.6	0.0	0.0	5.19	0.00	0.00	177.0
		-0.09	0.00	0.9	0.0	0.0	-2327.53	0.00	0.00	-131.7
037	G	-11.36	0.00	21.9	0.0	0.0	5.24	0.00	0.00	176.7
		-0.09	0.00	0.9	0.0	0.0	-2321.90	0.00	0.00	-131.4
038	G	-11.50	0.00	22.2	0.0	0.0	5.28	0.00	0.00	176.4
		-0.09	0.00	0.9	0.0	0.0	-2316.18	0.00	0.00	-131.1
039	G	-11.64	0.00	22.5	0.0	0.0	5.33	0.00	0.00	176.1
		-0.09	0.00	0.9	0.0	0.0	-2310.40	0.00	0.00	-130.8
040	G	-11.79	0.00	22.8	0.0	0.0	5.38	0.00	0.00	175.8
		-0.10	0.00	0.9	0.0	0.0	-2304.55	0.00	0.00	-130.4
041	G	-11.93	0.00	23.1	0.0	0.0	5.43	0.00	0.00	175.5
		-0.10	0.00	0.9	0.0	0.0	-2298.62	0.00	0.00	-130.1
042	G	-12.08	0.00	23.4	0.0	0.0	5.47	0.00	0.00	175.2
		-0.10	0.00	0.9	0.0	0.0	-2292.62	0.00	0.00	-129.8
043	G	-12.22	0.00	23.8	0.0	0.0	5.52	0.00	0.00	174.9
		-0.10	0.00	1.0	0.0	0.0	-2286.55	0.00	0.00	-129.4
044	G	-12.37	0.00	24.1	0.0	0.0	5.58	0.00	0.00	174.5
		-0.10	0.00	1.0	0.0	0.0	-2280.40	0.00	0.00	-129.1
045	G	-12.51	0.00	24.4	0.0	0.0	5.63	0.00	0.00	174.2
		-0.10	0.00	1.0	0.0	0.0	-2274.19	0.00	0.00	-128.7
046	G	-12.66	0.00	24.7	0.0	0.0	5.68	0.00	0.00	173.9
		-0.10	0.00	1.0	0.0	0.0	-2267.90	0.00	0.00	-128.4
047	G	-12.80	0.00	25.0	0.0	0.0	5.73	0.00	0.00	173.5
		-0.11	0.00	1.0	0.0	0.0	-2261.54	0.00	0.00	-128.0
048	G	-12.94	0.00	25.4	0.0	0.0	5.78	0.00	0.00	173.2
		-0.11	0.00	1.0	0.0	0.0	-2255.10	0.00	0.00	-127.6
049	G	-13.09	0.00	25.7	0.0	0.0	5.84	0.00	0.00	172.8
		-0.11	0.00	1.1	0.0	0.0	-2248.60	0.00	0.00	-127.3
050	G	-13.23	0.00	26.0	0.0	0.0	5.89	0.00	0.00	172.5
		-0.11	0.00	1.1	0.0	0.0	-2242.02	0.00	0.00	-126.9
051	G	-13.38	0.00	26.3	0.0	0.0	5.95	0.00	0.00	172.1
		-0.11	0.00	1.1	0.0	0.0	-2235.37	0.00	0.00	-126.5
052	G	-13.52	0.00	26.6	0.0	0.0	6.01	0.00	0.00	171.8
		-0.11	0.00	1.1	0.0	0.0	-2228.65	0.00	0.00	-126.1
053	G	-13.67	0.00	27.0	0.0	0.0	6.06	0.00	0.00	171.4
		-0.12	0.00	1.1	0.0	0.0	-2221.86	0.00	0.00	-125.8
054	G	-13.81	0.00	27.3	0.0	0.0	6.12	0.00	0.00	171.1
		-0.12	0.00	1.1	0.0	0.0	-2214.99	0.00	0.00	-125.4
055	G	-13.96	0.00	27.6	0.0	0.0	6.18	0.00	0.00	170.7
		-0.12	0.00	1.2	0.0	0.0	-2208.05	0.00	0.00	-125.0
056	G	-14.10	0.00	27.9	0.0	0.0	6.24	0.00	0.00	170.3
		-0.12	0.00	1.2	0.0	0.0	-2201.04	0.00	0.00	-124.6
057	G	-14.25	0.00	28.3	0.0	0.0	6.30	0.00	0.00	169.9
		-0.12	0.00	1.2	0.0	0.0	-2193.96	0.00	0.00	-124.2
058	G	-14.39	0.00	28.6	0.0	0.0	6.36	0.00	0.00	169.6
		-0.12	0.00	1.2	0.0	0.0	-2186.80	0.00	0.00	-123.8
059	G	-14.53	0.00	28.9	0.0	0.0	6.43	0.00	0.00	169.2
		-0.13	0.00	1.2	0.0	0.0	-2179.57	0.00	0.00	-123.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	-14.68	0.00	29.3	0.0	0.0	6.49	0.00	0.00	168.8
		-0.13	0.00	1.3	0.0	0.0	-2172.27	0.00	0.00	-122.9
061	G	-14.82	0.00	29.6	0.0	0.0	6.55	0.00	0.00	168.4
		-0.13	0.00	1.3	0.0	0.0	-2164.90	0.00	0.00	-122.5
062	G	-14.97	0.00	29.9	0.0	0.0	6.62	0.00	0.00	168.0
		-0.13	0.00	1.3	0.0	0.0	-2157.46	0.00	0.00	-122.1
063	G	-15.11	0.00	30.3	0.0	0.0	6.68	0.00	0.00	167.6
		-0.13	0.00	1.3	0.0	0.0	-2149.94	0.00	0.00	-121.7
064	G	-15.26	0.00	30.6	0.0	0.0	6.75	0.00	0.00	167.2
		-0.13	0.00	1.3	0.0	0.0	-2142.35	0.00	0.00	-121.3
065	G	-15.40	0.00	30.9	0.0	0.0	6.82	0.00	0.00	166.8
		-0.14	0.00	1.3	0.0	0.0	-2134.69	0.00	0.00	-120.8
066	G	-15.55	0.00	31.3	0.0	0.0	6.89	0.00	0.00	166.4
		-0.14	0.00	1.4	0.0	0.0	-2126.96	0.00	0.00	-120.4
067	G	-15.69	0.00	31.6	0.0	0.0	6.96	0.00	0.00	166.0
		-0.14	0.00	1.4	0.0	0.0	-2119.15	0.00	0.00	-119.9
068	G	-15.84	0.00	31.9	0.0	0.0	7.03	0.00	0.00	165.6
		-0.14	0.00	1.4	0.0	0.0	-2111.28	0.00	0.00	-119.5
069	G	-15.98	0.00	32.3	0.0	0.0	7.10	0.00	0.00	165.2
		-0.14	0.00	1.4	0.0	0.0	-2103.33	0.00	0.00	-119.0
070	G	-16.12	0.00	32.6	0.0	0.0	7.17	0.00	0.00	164.7
		-0.15	0.00	1.4	0.0	0.0	-2095.30	0.00	0.00	-118.6
071	G	-16.27	0.00	33.0	0.0	0.0	7.24	0.00	0.00	164.3
		-0.15	0.00	1.5	0.0	0.0	-2087.21	0.00	0.00	-118.1
072	G	-16.41	0.00	33.3	0.0	0.0	7.32	0.00	0.00	163.9
		-0.15	0.00	1.5	0.0	0.0	-2079.04	0.00	0.00	-117.7
073	G	-16.56	0.00	33.6	0.0	0.0	7.39	0.00	0.00	163.5
		-0.15	0.00	1.5	0.0	0.0	-2070.81	0.00	0.00	-117.2
074	G	-16.70	0.00	34.0	0.0	0.0	7.47	0.00	0.00	163.0
		-0.15	0.00	1.5	0.0	0.0	-2062.49	0.00	0.00	-116.7
075	G	-16.85	0.00	34.3	0.0	0.0	7.54	0.00	0.00	162.6
		-0.15	0.00	1.6	0.0	0.0	-2054.11	0.00	0.00	-116.3
076	G	-16.99	0.00	34.7	0.0	0.0	7.62	0.00	0.00	162.1
		-0.16	0.00	1.6	0.0	0.0	-2045.66	0.00	0.00	-115.8
077	G	-17.14	0.00	35.0	0.0	0.0	7.70	0.00	0.00	161.7
		-0.16	0.00	1.6	0.0	0.0	-2037.13	0.00	0.00	-115.3
078	G	-17.28	0.00	35.4	0.0	0.0	7.78	0.00	0.00	161.2
		-0.16	0.00	1.6	0.0	0.0	-2028.53	0.00	0.00	-114.8
079	G	-17.42	0.00	35.7	0.0	0.0	7.86	0.00	0.00	160.8
		-0.16	0.00	1.6	0.0	0.0	-2019.86	0.00	0.00	-114.3
080	G	-17.57	0.00	36.1	0.0	0.0	7.94	0.00	0.00	160.3
		-0.16	0.00	1.7	0.0	0.0	-2011.11	0.00	0.00	-113.8
081	G	-17.71	0.00	36.4	0.0	0.0	8.02	0.00	0.00	159.9
		-0.17	0.00	1.7	0.0	0.0	-2002.30	0.00	0.00	-113.3
082	G	-17.86	0.00	36.8	0.0	0.0	8.11	0.00	0.00	159.4
		-0.17	0.00	1.7	0.0	0.0	-1993.41	0.00	0.00	-112.8
083	G	-18.00	0.00	37.1	0.0	0.0	8.19	0.00	0.00	158.9
		-0.17	0.00	1.7	0.0	0.0	-1984.45	0.00	0.00	-112.3
084	G	-18.15	0.00	37.5	0.0	0.0	8.28	0.00	0.00	158.5
		-0.17	0.00	1.8	0.0	0.0	-1975.41	0.00	0.00	-111.8
085	G	-18.29	0.00	37.9	0.0	0.0	8.37	0.00	0.00	158.0
		-0.17	0.00	1.8	0.0	0.0	-1966.31	0.00	0.00	-111.3
086	G	-18.44	0.00	38.2	0.0	0.0	8.45	0.00	0.00	157.5
		-0.18	0.00	1.8	0.0	0.0	-1957.13	0.00	0.00	-110.8
087	G	-18.58	0.00	38.6	0.0	0.0	8.54	0.00	0.00	157.0
		-0.18	0.00	1.8	0.0	0.0	-1947.88	0.00	0.00	-110.2
088	G	-18.73	0.00	38.9	0.0	0.0	8.63	0.00	0.00	156.5
		-0.18	0.00	1.9	0.0	0.0	-1938.56	0.00	0.00	-109.7
089	G	-18.87	0.00	39.3	0.0	0.0	8.72	0.00	0.00	156.0
		-0.18	0.00	1.9	0.0	0.0	-1929.17	0.00	0.00	-109.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
090	G	-19.01	0.00	39.7	0.0	0.0	8.81	0.00	0.00	155.5
		-0.19	0.00	1.9	0.0	0.0	-1919.70	0.00	0.00	-108.7
091	G	-19.16	0.00	40.0	0.0	0.0	8.91	0.00	0.00	155.0
		-0.19	0.00	1.9	0.0	0.0	-1910.16	0.00	0.00	-108.1
092	G	-19.30	0.00	40.4	0.0	0.0	9.00	0.00	0.00	154.5
		-0.19	0.00	2.0	0.0	0.0	-1900.55	0.00	0.00	-107.6
093	G	-19.45	0.00	40.8	0.0	0.0	9.10	0.00	0.00	154.0
		-0.19	0.00	2.0	0.0	0.0	-1890.87	0.00	0.00	-107.0
094	G	-19.59	0.00	41.1	0.0	0.0	9.19	0.00	0.00	153.5
		-0.19	0.00	2.0	0.0	0.0	-1881.11	0.00	0.00	-106.5
095	G	-19.74	0.00	41.5	0.0	0.0	9.29	0.00	0.00	153.0
		-0.20	0.00	2.0	0.0	0.0	-1871.28	0.00	0.00	-105.9
096	G	-19.88	0.00	41.9	0.0	0.0	9.39	0.00	0.00	152.5
		-0.20	0.00	2.1	0.0	0.0	-1861.38	0.00	0.00	-105.4
097	G	-20.03	0.00	42.3	0.0	0.0	9.49	0.00	0.00	152.0
		-0.20	0.00	2.1	0.0	0.0	-1851.41	0.00	0.00	-104.8
098	G	-20.17	0.00	42.6	0.0	0.0	9.59	0.00	0.00	151.5
		-0.20	0.00	2.1	0.0	0.0	-1841.37	0.00	0.00	-104.2
099	G	-20.32	0.00	43.0	0.0	0.0	9.69	0.00	0.00	150.9
		-0.21	0.00	2.1	0.0	0.0	-1831.25	0.00	0.00	-103.6
100	G	-20.46	0.00	43.4	0.0	0.0	9.79	0.00	0.00	150.4
		-0.21	0.00	2.2	0.0	0.0	-1821.06	0.00	0.00	-103.1
101	G	-20.60	0.00	43.8	0.0	0.0	9.90	0.00	0.00	149.9
		-0.21	0.00	2.2	0.0	0.0	-1810.80	0.00	0.00	-102.5
102	G	-20.75	0.00	44.2	0.0	0.0	10.00	0.00	0.00	149.3
		-0.21	0.00	2.2	0.0	0.0	-1800.47	0.00	0.00	-101.9
103	G	-20.89	0.00	44.5	0.0	0.0	10.11	0.00	0.00	148.8
		-0.21	0.00	2.3	0.0	0.0	-1790.06	0.00	0.00	-101.3
104	G	-21.04	0.00	44.9	0.0	0.0	10.22	0.00	0.00	148.3
		-0.22	0.00	2.3	0.0	0.0	-1779.59	0.00	0.00	-100.7
105	G	-21.18	0.00	45.3	0.0	0.0	10.33	0.00	0.00	147.7
		-0.22	0.00	2.3	0.0	0.0	-1769.04	0.00	0.00	-100.1
106	G	-21.33	0.00	45.7	0.0	0.0	10.44	0.00	0.00	147.2
		-0.22	0.00	2.3	0.0	0.0	-1758.41	0.00	0.00	-99.5
107	G	-21.47	0.00	46.1	0.0	0.0	10.55	0.00	0.00	146.6
		-0.22	0.00	2.4	0.0	0.0	-1747.72	0.00	0.00	-98.9
108	G	-21.62	0.00	46.5	0.0	0.0	10.66	0.00	0.00	146.1
		-0.23	0.00	2.4	0.0	0.0	-1736.95	0.00	0.00	-98.3
109	G	-21.76	0.00	46.9	0.0	0.0	10.78	0.00	0.00	145.5
		-0.23	0.00	2.4	0.0	0.0	-1726.11	0.00	0.00	-97.7
110	G	-21.90	0.00	47.3	0.0	0.0	10.89	0.00	0.00	145.0
		-0.23	0.00	2.5	0.0	0.0	-1715.20	0.00	0.00	-97.1
111	G	-22.05	0.00	47.6	0.0	0.0	11.01	0.00	0.00	144.4
		-0.23	0.00	2.5	0.0	0.0	-1704.22	0.00	0.00	-96.5
112	G	-22.19	0.00	48.0	0.0	0.0	11.13	-0.01	0.00	143.8
		-0.24	0.00	2.5	0.0	0.0	-1693.17	0.00	0.00	-95.8
113	G	-22.34	0.00	48.4	0.0	0.0	11.25	-0.01	0.00	143.2
		-0.24	0.00	2.6	0.0	0.0	-1682.04	0.00	0.00	-95.2
114	G	-22.48	0.00	48.8	0.0	0.0	11.37	-0.01	0.00	142.7
		-0.24	0.00	2.6	0.0	0.0	-1670.84	0.00	0.00	-94.6
115	G	-22.63	0.00	49.2	0.0	0.0	11.49	-0.01	0.00	142.1
		-0.24	0.00	2.6	0.0	0.0	-1659.57	0.00	0.00	-93.9
116	G	-22.77	0.00	49.6	0.0	0.0	11.61	-0.01	0.00	141.5
		-0.25	0.00	2.7	0.0	0.0	-1648.22	0.00	0.00	-93.3
117	G	-22.92	0.00	50.0	0.0	0.0	11.74	-0.01	0.00	140.9
		-0.25	0.00	2.7	0.0	0.0	-1636.80	0.00	0.00	-92.6
118	G	-23.06	0.00	50.5	0.0	0.0	11.86	-0.01	0.00	140.3
		-0.25	0.00	2.7	0.0	0.0	-1625.32	0.00	0.00	-92.0
119	G	-23.21	0.00	50.9	0.0	0.0	11.99	-0.01	0.00	139.8
		-0.26	0.00	2.8	0.0	0.0	-1613.76	0.00	0.00	-91.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
120	G	-23.35	0.00	51.3	0.0	0.0	12.12	-0.01	0.00	139.2
		-0.26	0.00	2.8	0.0	0.0	-1602.12	0.00	0.00	-90.7
121	G	-23.50	0.00	51.7	0.0	0.0	12.25	-0.01	0.00	138.6
		-0.26	0.00	2.8	0.0	0.0	-1590.42	0.00	0.00	-90.0
122	G	-23.64	0.00	52.1	0.0	0.0	12.38	-0.01	0.00	138.0
		-0.26	0.00	2.9	0.0	0.0	-1578.64	0.00	0.00	-89.3
123	G	-23.78	0.00	52.5	0.0	0.0	12.51	-0.01	0.00	137.4
		-0.27	0.00	2.9	0.0	0.0	-1566.79	0.00	0.00	-88.7
124	G	-23.93	0.00	52.9	0.0	0.0	12.64	-0.01	0.00	136.8
		-0.27	0.00	2.9	0.0	0.0	-1554.87	0.00	0.00	-88.0
125	G	-24.07	0.00	53.3	0.0	0.0	12.78	-0.01	0.00	136.2
		-0.27	0.00	3.0	0.0	0.0	-1542.87	0.00	0.01	-87.3
126	G	-24.22	0.00	53.7	0.0	0.0	12.92	0.00	0.00	135.5
		-0.28	0.01	3.0	0.0	0.0	-1530.80	0.00	0.01	-86.6
127	G	-24.36	0.00	54.2	0.0	0.0	13.06	0.00	0.00	134.9
		-0.28	0.01	3.1	0.0	0.0	-1518.66	0.00	0.01	-86.0
128	G	-24.51	0.00	54.6	0.0	0.0	13.19	0.01	0.00	134.3
		-0.28	0.01	3.1	0.0	0.0	-1506.45	0.00	0.01	-85.3
129	G	-24.65	0.00	55.0	0.0	0.0	13.34	0.02	0.00	133.7
		-0.28	0.01	3.1	0.0	0.0	-1494.17	0.00	0.02	-84.6
130	G	-24.80	0.00	55.4	0.0	0.0	13.48	0.03	0.00	133.1
		-0.29	0.01	3.2	0.0	0.0	-1481.81	0.00	0.02	-83.9
131	G	-24.94	0.00	55.9	0.0	0.0	13.62	0.04	0.00	132.5
		-0.29	0.01	3.2	0.0	0.0	-1469.38	0.00	0.03	-83.2
132	G	-25.09	0.00	56.3	0.0	0.0	13.77	0.05	0.00	131.8
		-0.29	0.01	3.2	0.0	0.0	-1456.88	0.00	0.03	-82.5
133	G	-25.23	0.00	56.7	0.0	0.0	13.92	0.07	0.00	131.2
		-0.30	0.01	3.3	0.0	0.0	-1444.31	0.00	0.03	-81.7
134	G	-25.38	0.00	57.1	0.0	0.0	14.06	0.09	0.00	130.6
		-0.30	0.01	3.3	0.0	0.0	-1431.66	0.00	0.04	-81.0
135	G	-25.52	0.00	57.6	0.0	0.0	14.21	0.11	0.00	129.9
		-0.30	0.01	3.4	0.0	0.0	-1418.94	0.00	0.04	-80.3
136	G	-25.66	0.00	58.0	0.0	0.0	14.37	0.13	0.00	129.3
		-0.31	0.01	3.4	0.0	0.0	-1406.15	0.00	0.04	-79.6
137	G	-25.81	0.00	58.5	0.0	0.0	14.52	0.15	0.00	128.7
		-0.31	0.00	3.5	0.0	0.0	-1393.29	0.00	0.05	-78.9
138	G	-25.95	0.00	58.9	0.0	0.0	14.68	0.18	0.00	128.0
		-0.31	0.00	3.5	0.0	0.0	-1380.36	0.00	0.05	-78.1
139	G	-26.10	0.00	59.3	0.0	0.0	14.83	0.20	0.00	127.4
		-0.31	0.00	3.5	0.0	0.0	-1367.35	0.00	0.05	-77.4
140	G	-26.24	0.00	59.8	0.0	0.0	14.99	0.22	0.00	126.8
		-0.32	0.01	3.6	0.0	0.0	-1354.27	0.00	0.05	-76.6
141	G	-26.39	0.00	60.2	0.0	0.0	15.15	0.25	0.00	126.1
		-0.32	0.01	3.6	0.0	0.0	-1341.12	0.00	0.04	-75.9
142	G	-26.54	0.00	60.7	0.0	0.0	15.31	0.27	0.00	125.5
		-0.32	0.02	3.7	0.0	0.0	-1327.90	0.00	0.03	-75.2
143	G	-26.68	0.00	61.1	0.0	0.0	15.47	0.28	0.00	124.8
		-0.33	0.03	3.7	0.0	0.0	-1314.60	0.00	0.02	-74.4
144	G	-26.83	0.00	61.6	0.0	0.0	15.64	0.29	0.00	124.2
		-0.33	0.04	3.8	0.0	0.0	-1301.22	0.00	0.01	-73.6
145	G	-26.98	0.00	62.0	0.0	0.0	15.81	0.29	0.00	123.5
		-0.33	0.05	3.8	0.0	0.0	-1287.78	0.00	-0.01	-72.9
146	G	-27.13	0.00	62.5	0.0	0.0	15.97	0.28	0.00	122.8
		-0.34	0.06	3.8	0.0	0.0	-1274.26	0.00	-0.04	-72.1
147	G	-27.28	0.00	62.9	0.0	0.0	16.14	0.25	0.00	122.2
		-0.34	0.07	3.9	0.0	0.0	-1260.66	0.00	-0.07	-71.4
148	G	-27.43	0.00	63.4	0.0	0.0	16.31	0.21	0.00	121.5
		-0.35	0.09	3.9	0.0	0.0	-1246.99	0.00	-0.11	-70.6
149	G	-27.58	0.00	63.8	0.0	0.0	16.49	0.14	0.00	120.8
		-0.35	0.10	4.0	0.0	0.0	-1233.24	0.00	-0.16	-69.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
150	G	-27.73	0.00	64.3	0.0	0.0	16.66	0.05	0.00	120.1
		-0.35	0.12	4.0	0.0	0.0	-1219.42	0.00	-0.21	-69.0
151	G	-27.88	0.00	64.8	0.0	0.0	16.84	-0.07	0.00	119.4
		-0.36	0.13	4.1	0.0	0.0	-1205.52	0.00	-0.27	-68.2
152	G	-28.03	0.00	65.2	0.0	0.0	17.02	-0.22	0.00	118.8
		-0.36	0.15	4.1	0.0	0.0	-1191.55	0.00	-0.34	-67.4
153	G	-28.18	0.00	65.7	0.0	0.0	17.20	-0.41	0.00	118.2
		-0.36	0.16	4.2	0.0	0.0	-1177.50	0.00	-0.42	-66.6
154	G	-28.33	0.00	66.1	0.0	0.0	17.38	-0.65	0.00	117.6
		-0.37	0.18	4.2	0.0	0.0	-1163.38	0.00	-0.51	-65.8
155	G	-28.48	0.00	66.6	0.0	0.0	17.57	-0.92	0.00	117.0
		-0.37	0.19	4.3	0.0	0.0	-1149.18	0.00	-0.60	-65.0
156	G	-28.63	0.00	67.1	0.0	0.0	17.75	-1.24	0.00	116.4
		-0.37	0.19	4.3	0.0	0.0	-1134.91	0.00	-0.69	-64.2
157	G	-28.77	0.00	67.6	0.0	0.0	17.94	-1.61	0.00	115.8
		-0.38	0.19	4.4	0.0	0.0	-1120.57	0.00	-0.79	-63.4
158	G	-28.92	0.00	68.0	0.0	0.0	18.13	-2.03	0.00	115.2
		-0.38	0.18	4.4	0.0	0.0	-1106.15	0.00	-0.88	-62.6
159	G	-29.05	0.00	68.5	0.0	0.0	18.32	-2.50	0.00	114.6
		-0.38	0.17	4.5	0.0	0.0	-1091.67	0.00	-0.97	-61.8
160	G	-29.18	0.00	69.0	0.0	0.0	18.51	-3.00	0.00	114.1
		-0.39	0.14	4.5	0.0	0.0	-1077.12	0.00	-1.05	-61.0
161	G	-29.31	0.00	69.5	0.0	0.0	18.71	-3.54	0.00	113.5
		-0.39	0.09	4.6	0.0	0.0	-1062.50	0.00	-1.10	-60.1
162	G	-29.43	0.00	70.0	0.0	0.0	18.91	-4.10	0.00	112.9
		-0.40	0.03	4.6	0.0	0.0	-1047.82	0.00	-1.13	-59.3
Line 4 Section 47									D0115	D0120
000	G	-2.23	0.00	70.0	0.0	0.0	18.91	-4.10	0.00	112.9
		-0.03	0.00	4.6	0.0	0.0	-1047.82	0.00	-1.13	-59.3
001	G	-2.23	0.00	70.1	0.0	0.0	18.91	-4.22	0.00	112.9
		-0.03	0.00	4.7	0.0	0.0	-1047.60	0.00	-1.13	-59.3
Line 4 Section 48									D0120	D0125
000	G	0.00	0.00	70.1	0.0	0.0	18.91	-4.22	0.00	43.2
		0.00	0.00	4.7	0.0	0.0	-1047.60	0.00	-1.13	-
001	G	0.00	0.00	70.1	0.0	0.0	18.91	-4.28	0.00	43.3
		0.00	0.00	4.7	0.0	0.0	-1047.60	0.00	-1.41	-
002	G	0.00	0.00	70.2	0.0	0.0	18.91	-4.36	0.00	43.3
		0.00	0.00	4.7	0.0	0.0	-1047.60	0.00	-1.69	-
Line 4 Section 49									D0125	D0130
000	G	0.00	0.00	70.2	0.0	0.0	18.91	-4.36	0.00	43.3
		0.00	0.00	4.7	0.0	0.0	-1040.86	0.00	11.80	-
001	G	0.00	0.00	72.2	0.0	0.1	18.91	8.06	0.00	44.9
		0.00	0.00	4.9	0.0	0.0	-1040.86	0.00	0.00	-
002	G	0.00	0.00	74.3	0.0	0.0	18.91	-4.36	0.01	43.3
		0.00	0.00	5.1	0.0	0.0	-1040.86	0.00	-11.79	-
Line 4 Section 50									D0130	D0132
000	G	0.00	0.00	74.3	0.0	0.0	18.91	-4.36	0.01	43.3
		0.00	0.00	5.1	0.0	0.0	-1034.11	0.00	1.69	-
001	G	0.00	0.00	74.3	0.0	0.0	18.91	-4.28	0.01	43.3
		0.00	0.00	5.1	0.0	0.0	-1034.11	0.00	1.41	-
002	G	0.00	0.00	74.4	0.0	0.0	18.91	-4.21	0.01	43.2
		0.00	0.00	5.1	0.0	0.0	-1034.11	0.00	1.13	-
Line 4 Section 51									D0132	D0133
000	G	-21.78	0.00	74.4	0.0	0.0	18.91	-4.21	0.01	112.3
		-0.30	0.02	5.1	0.0	0.0	-1034.11	0.00	1.13	-58.5
001	G	-21.78	0.00	74.4	0.0	0.0	18.94	-4.10	0.01	112.2
		-0.30	0.03	5.1	0.0	0.0	-1031.94	0.00	1.13	-58.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 52							D0133	D0135	
000	G	-21.78	0.00	74.4	0.0	0.0	18.94	-4.10	0.01	112.2	
		-0.30	0.03	5.1	0.0	0.0	-1031.94	0.00	1.13	-58.4	
001	G	-21.93	0.00	74.9	0.0	0.0	19.09	-3.54	0.01	111.5	
		-0.31	0.09	5.2	0.0	0.0	-1021.03	0.00	1.10	-57.8	
002	G	-22.07	0.00	75.4	0.0	0.0	19.25	-3.00	0.01	110.9	
		-0.31	0.13	5.3	0.0	0.0	-1010.06	0.00	1.04	-57.2	
003	G	-22.20	0.00	75.9	0.0	0.0	19.40	-2.50	0.00	110.2	
		-0.31	0.16	5.3	0.0	0.0	-999.02	0.00	0.97	-56.5	
004	G	-22.32	0.00	76.4	0.0	0.0	19.56	-2.04	0.00	109.6	
		-0.32	0.18	5.4	0.0	0.0	-987.91	0.00	0.88	-55.9	
005	G	-22.45	0.00	76.9	0.0	0.0	19.72	-1.62	0.00	109.0	
		-0.32	0.19	5.4	0.0	0.0	-976.74	0.00	0.79	-55.3	
006	G	-22.57	0.00	77.4	0.0	0.0	19.88	-1.25	0.00	108.3	
		-0.32	0.19	5.5	0.0	0.0	-965.51	0.00	0.69	-54.6	
007	G	-22.68	0.00	77.9	0.0	0.0	20.04	-0.93	0.00	107.7	
		-0.33	0.19	5.5	0.0	0.0	-954.23	0.01	0.60	-54.0	
008	G	-22.80	0.00	78.4	0.0	0.0	20.21	-0.65	-0.01	107.1	
		-0.33	0.18	5.6	0.0	0.0	-942.88	0.01	0.51	-53.4	
009	G	-22.91	0.00	78.9	0.0	0.0	20.37	-0.42	-0.01	106.5	
		-0.33	0.16	5.7	0.0	0.0	-931.48	0.01	0.42	-52.7	
010	G	-23.03	0.00	79.4	0.0	0.0	20.54	-0.23	-0.01	105.9	
		-0.34	0.15	5.7	0.0	0.0	-920.02	0.01	0.35	-52.1	
011	G	-23.14	0.00	79.9	0.0	0.0	20.71	-0.07	-0.02	105.3	
		-0.34	0.13	5.8	0.0	0.0	-908.50	0.01	0.27	-51.4	
012	G	-23.25	0.00	80.4	0.0	0.0	20.88	0.05	-0.02	104.8	
		-0.34	0.12	5.8	0.0	0.0	-896.93	0.01	0.21	-50.8	
013	G	-23.37	0.00	80.9	0.0	0.0	21.05	0.14	-0.03	104.3	
		-0.34	0.10	5.9	0.0	0.0	-885.30	0.01	0.16	-50.1	
014	G	-23.48	0.00	81.4	0.0	0.0	21.22	0.20	-0.03	103.8	
		-0.35	0.09	6.0	0.0	0.0	-873.61	0.01	0.11	-49.4	
015	G	-23.59	0.00	81.9	0.0	0.0	21.39	0.25	-0.04	103.2	
		-0.35	0.07	6.0	0.0	0.0	-861.87	0.01	0.07	-48.8	
016	G	-23.71	0.00	82.4	0.0	0.0	21.57	0.27	-0.04	102.7	
		-0.35	0.06	6.1	0.0	0.0	-850.07	0.01	0.04	-48.1	
017	G	-23.82	0.00	82.9	0.0	0.0	21.75	0.28	-0.05	102.2	
		-0.36	0.05	6.1	0.0	0.0	-838.21	0.01	0.01	-47.4	
018	G	-23.94	0.00	83.4	0.0	0.0	21.93	0.29	-0.06	101.6	
		-0.36	0.04	6.2	0.0	0.0	-826.30	0.01	-0.01	-46.8	
019	G	-24.05	0.00	84.0	0.0	0.0	22.11	0.28	-0.06	101.1	
		-0.36	0.03	6.3	0.0	0.0	-814.32	0.01	-0.02	-46.1	
020	G	-24.17	0.00	84.5	0.0	0.0	22.29	0.26	-0.07	100.5	
		-0.37	0.02	6.3	0.0	0.0	-802.29	0.01	-0.03	-45.4	
021	G	-24.29	0.01	85.0	0.0	0.0	22.47	0.24	-0.07	100.0	
		-0.37	0.01	6.4	0.0	0.0	-790.21	0.01	-0.04	-44.7	
022	G	-24.41	0.01	85.5	0.0	0.0	22.66	0.22	-0.07	99.4	
		-0.37	0.01	6.5	0.0	0.0	-778.06	0.00	-0.05	-44.0	
023	G	-24.53	0.01	86.0	0.0	0.0	22.84	0.20	-0.07	98.9	
		-0.38	0.00	6.5	0.0	0.0	-765.85	0.00	-0.05	-43.3	
024	G	-24.65	0.01	86.6	0.0	0.0	23.03	0.17	-0.07	98.3	
		-0.38	0.00	6.6	0.0	0.0	-753.59	-0.01	-0.05	-42.7	
025	G	-24.77	0.02	87.1	0.0	0.0	23.22	0.15	-0.06	97.8	
		-0.38	0.01	6.7	0.0	0.0	-741.26	-0.02	-0.05	-42.0	
026	G	-24.89	0.02	87.6	0.0	0.0	23.41	0.13	-0.05	97.2	
		-0.39	0.01	6.7	0.0	0.0	-728.87	-0.03	-0.04	-41.3	
027	G	-25.01	0.02	88.1	0.0	0.0	23.61	0.10	-0.03	96.7	
		-0.39	0.01	6.8	0.0	0.0	-716.42	-0.04	-0.04	-40.5	
028	G	-25.13	0.03	88.7	0.0	0.0	23.80	0.09	-0.01	96.1	
		-0.39	0.01	6.9	0.0	0.0	-703.91	-0.05	-0.03	-39.8	
029	G	-25.26	0.03	89.2	0.0	0.0	24.00	0.07	0.02	95.6	
		-0.40	0.01	6.9	0.0	0.0	-691.34	-0.07	-0.03	-39.1	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	-25.38	0.04	89.7	0.0	0.0	24.20	0.06	0.05	95.0
		-0.40	0.01	7.0	0.0	0.0	-678.71	-0.08	-0.02	-38.4
031	G	-25.50	0.04	90.3	0.0	0.0	24.40	0.05	0.10	94.5
		-0.40	0.01	7.1	0.0	0.0	-666.02	-0.10	-0.02	-37.7
032	G	-25.62	0.04	90.8	0.0	0.0	24.60	0.04	0.16	93.9
		-0.41	0.01	7.1	0.0	0.0	-653.27	-0.12	-0.01	-37.0
033	G	-25.74	0.05	91.3	0.0	0.0	24.81	0.04	0.23	93.4
		-0.41	0.01	7.2	0.0	0.0	-640.46	-0.15	0.00	-36.2
034	G	-25.86	0.05	91.9	0.0	0.0	25.01	0.04	0.30	92.9
		-0.41	0.01	7.3	0.0	0.0	-627.59	-0.17	0.00	-35.5
035	G	-25.98	0.05	92.4	0.0	0.0	25.22	0.04	0.40	92.4
		-0.42	0.01	7.3	0.0	0.0	-614.66	-0.19	0.01	-34.8
036	G	-26.10	0.04	93.0	0.0	0.0	25.43	0.04	0.50	91.8
		-0.42	0.01	7.4	0.0	0.0	-601.67	-0.22	0.01	-34.1
037	G	-26.21	0.04	93.5	0.0	0.0	25.64	0.05	0.61	91.3
		-0.43	0.01	7.5	0.0	0.0	-588.62	-0.24	0.01	-33.3
038	G	-26.33	0.03	94.1	0.0	0.0	25.85	0.06	0.73	90.8
		-0.43	0.01	7.6	0.0	0.0	-575.51	-0.26	0.02	-32.6
039	G	-26.44	0.02	94.6	0.0	0.0	26.07	0.07	0.87	90.3
		-0.43	0.01	7.6	0.0	0.0	-562.35	-0.27	0.02	-31.8
040	G	-26.56	0.01	95.2	0.0	0.0	26.29	0.08	1.00	89.7
		-0.44	0.00	7.7	0.0	0.0	-549.13	-0.28	0.02	-31.1
041	G	-26.68	-0.01	95.7	0.0	0.0	26.50	0.09	1.14	89.2
		-0.44	0.00	7.8	0.0	0.0	-535.85	-0.28	0.02	-30.3
042	G	-26.81	-0.04	96.3	0.0	0.0	26.72	0.10	1.28	88.7
		-0.44	0.00	7.9	0.0	0.0	-522.51	-0.26	0.02	-29.6
043	G	-26.94	-0.07	96.8	0.0	0.0	26.95	0.12	1.41	88.2
		-0.45	0.01	7.9	0.0	0.0	-509.10	-0.24	0.02	-28.8
044	G	-27.08	-0.11	97.4	0.0	0.0	27.17	0.13	1.52	87.7
		-0.45	0.01	8.0	0.0	0.0	-495.62	-0.19	0.02	-28.1
045	G	-27.22	-0.15	97.9	0.0	0.0	27.40	0.14	1.60	87.2
		-0.46	0.01	8.1	0.0	0.0	-482.08	-0.13	0.01	-27.3
046	G	-27.36	-0.20	98.5	0.0	0.0	27.63	0.14	1.65	86.7
		-0.46	0.02	8.2	0.0	0.0	-468.47	-0.04	0.01	-26.5
047	G	-27.50	-0.26	99.1	0.1	0.0	27.86	0.14	1.64	86.2
		-0.46	0.02	8.3	0.0	0.0	-454.78	0.07	0.00	-25.7
048	G	-27.65	-0.33	99.6	0.1	0.0	28.09	0.14	1.57	85.7
		-0.47	0.03	8.3	0.0	0.0	-441.02	0.22	-0.02	-25.0
049	G	-27.81	-0.41	100.2	0.1	0.0	28.32	0.12	1.42	85.1
		-0.47	0.04	8.4	0.0	0.0	-427.19	0.41	-0.04	-24.2
050	G	-27.96	-0.49	100.8	0.1	0.0	28.56	0.10	1.17	84.6
		-0.48	0.04	8.5	0.0	0.0	-413.28	0.63	-0.06	-23.4
051	G	-28.12	-0.58	101.3	0.1	0.0	28.80	0.07	0.79	84.0
		-0.48	0.05	8.6	0.0	0.0	-399.29	0.90	-0.08	-22.6
052	G	-28.28	-0.67	101.9	0.2	0.0	29.04	0.02	0.28	83.4
		-0.49	0.06	8.7	0.0	0.0	-385.22	1.21	-0.11	-21.8
053	G	-28.44	-0.76	102.5	0.2	0.0	29.29	-0.04	-0.41	82.9
		-0.49	0.07	8.7	0.0	0.0	-371.07	1.56	-0.14	-21.0
054	G	-28.60	-0.85	103.1	0.2	0.0	29.53	-0.12	-1.28	82.6
		-0.50	0.08	8.8	0.0	0.0	-356.85	1.96	-0.18	-20.2
055	G	-28.75	-0.93	103.6	0.2	0.0	29.78	-0.22	-2.37	82.4
		-0.50	0.09	8.9	0.0	0.0	-342.54	2.41	-0.22	-19.4
056	G	-28.90	-1.01	104.2	0.2	0.0	30.03	-0.34	-3.68	82.2
		-0.51	0.09	9.0	0.0	0.0	-328.16	2.89	-0.26	-18.6
057	G	-29.05	-1.06	104.8	0.2	0.0	30.29	-0.48	-5.25	82.0
		-0.51	0.10	9.1	0.0	0.0	-313.70	3.41	-0.31	-17.8
058	G	-29.18	-1.09	105.4	0.3	0.0	30.54	-0.65	-7.08	81.9
		-0.51	0.10	9.2	0.0	0.0	-299.18	3.94	-0.36	-16.9
059	G	-29.30	-1.09	106.0	0.3	0.0	30.80	-0.84	-9.19	81.8
		-0.52	0.10	9.3	0.0	0.0	-284.59	4.49	-0.41	-16.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	-29.40	-1.04	106.6	0.2	0.0	31.06	-1.06	-11.56	81.7
		-0.52	0.10	9.4	0.0	0.0	-269.95	5.02	-0.46	-15.3
061	G	-29.47	-0.94	107.1	0.2	0.0	31.32	-1.30	-14.19	81.7
		-0.53	0.09	9.4	0.0	-0.1	-255.26	5.51	-0.50	-14.4
062	G	-29.52	-0.77	107.7	0.2	0.0	31.58	-1.56	-17.06	81.7
		-0.53	0.07	9.5	0.0	-0.1	-240.55	5.94	-0.54	-13.6
063	G	-29.53	-0.52	108.3	0.1	0.0	31.85	-1.84	-20.12	81.7
		-0.53	0.05	9.6	0.0	-0.1	-225.82	6.26	-0.57	-12.8
064	G	-29.49	-0.17	108.9	0.0	0.0	32.11	-2.13	-23.30	81.7
		-0.53	0.02	9.7	0.0	-0.2	-211.10	6.43	-0.59	-11.9
Line 4 Section 53									D0135	D0140
000	G	-2.26	-0.09	108.9	0.0	0.0	32.11	-2.13	-23.30	81.6
		-0.04	0.00	9.7	0.0	-0.2	-211.10	6.43	-0.59	-11.9
001	G	-2.24	-0.04	109.1	0.0	0.0	32.12	-2.19	-23.94	81.7
		-0.04	0.00	9.7	0.0	-0.2	-210.87	6.43	-0.59	-11.9
Line 4 Section 54									D0140	D0145
000	G	0.00	0.00	109.1	0.0	0.0	32.12	-2.19	-23.94	51.2
		0.00	0.00	9.7	0.0	-0.2	-210.87	6.43	-0.59	-
001	G	0.00	0.00	109.1	0.0	0.0	32.12	-2.22	-24.27	51.3
		0.00	0.00	9.7	0.0	-0.2	-210.87	6.43	-0.87	-
002	G	0.00	0.00	109.2	0.0	0.0	32.12	-2.27	-24.59	51.4
		0.00	0.00	9.8	0.0	-0.2	-210.87	6.43	-1.15	-
Line 4 Section 55									D0145	NN0003
000	G	0.00	0.00	109.2	0.0	0.0	32.12	-2.27	-24.59	51.4
		0.00	0.00	9.8	0.0	-0.2	-189.58	-25.74	9.28	-
001	G	0.00	0.00	109.7	-0.1	0.0	32.12	0.99	-14.29	48.3
		0.00	0.00	9.8	0.0	-0.2	-189.58	-25.74	7.04	-
002	G	0.00	0.00	110.1	-0.2	0.0	32.12	3.36	-4.00	47.6
		0.00	0.00	9.9	0.0	-0.3	-189.58	-25.74	4.80	-
Line 4 Section 56									NN0003	TG02
000	G	0.00	0.00	-7.7	-0.2	0.0	32.12	3.36	-4.00	47.6
		0.00	0.00	9.9	0.0	-0.3	-189.58	-25.74	4.80	-
001	G	0.00	0.00	-5.8	-0.5	0.0	32.12	4.09	35.77	55.1
		0.00	0.00	10.2	0.0	-0.1	-189.58	-25.74	-3.86	-
002	T	0.00	0.00	-4.0	-0.5	0.0	32.12	-8.56	75.54	0.0
		0.00	0.00	10.5	0.0	0.2	-189.58	-25.74	-12.51	-
Line 4 Section 57									TG02	NN0025
000	T	0.00	0.00	-4.0	-0.5	0.0	15.52	-12.70	85.46	0.0
		0.00	0.00	10.5	0.0	0.2	-198.11	112.97	15.53	-
001	G	0.00	0.00	-3.0	-0.2	0.0	15.52	-2.09	-4.64	41.8
		0.00	0.00	10.5	0.0	0.4	-198.11	112.97	11.06	-
002	G	0.00	0.00	-2.1	0.0	0.0	15.52	4.95	-94.73	71.9
		0.00	0.00	10.6	0.0	0.2	-198.11	112.97	6.59	-
Line 4 Section 58									NN0025	TG03
000	G	0.00	0.00	-2.1	0.0	0.0	15.52	4.95	-94.73	71.9
		0.00	0.00	10.6	0.0	0.2	-296.09	-74.56	-1.87	-
001	G	0.00	0.00	-1.1	0.1	0.0	15.52	1.68	-35.27	50.1
		0.00	0.00	10.7	0.0	0.0	-296.09	-74.56	-6.33	-
002	T	0.00	0.00	-0.2	0.0	0.0	15.52	-5.15	24.20	0.0
		0.00	0.00	10.8	0.0	-0.1	-296.09	-74.56	-10.80	-
Line 4 Section 59									TG03	KNA-1
000	T	0.00	0.00	-0.2	0.0	0.0	-13.47	-4.43	24.23	0.0
		0.00	0.00	10.8	0.0	-0.1	-293.03	106.01	22.31	-
001	G	0.00	0.00	-0.1	0.0	0.0	-13.47	-2.78	16.28	42.7
		0.00	0.00	10.8	0.0	0.0	-293.03	106.01	21.89	-
002	G	0.00	0.00	0.0	0.0	0.0	-13.47	-1.15	8.33	41.0
		0.00	0.00	10.7	0.0	0.0	-293.03	106.01	21.47	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 60									KNA-1 NN0013	
000	G	0.00	0.00	0.0	0.0	0.0	-13.47	-1.15	8.33	41.0
		0.00	0.00	10.7	0.0	0.0	-222.01	2.79	6.37	-
001	G	0.00	0.00	1.1	0.0	0.0	-13.47	2.31	5.83	41.5
		0.00	0.00	10.7	0.0	0.0	-222.01	2.79	1.35	-
002	G	0.00	0.00	2.1	0.0	0.0	-13.47	1.27	3.33	40.7
		0.00	0.00	10.6	0.0	0.0	-222.01	2.79	-3.66	-
Line 4 Section 61									NN0013 D0146	
000	G	0.00	0.00	-156.7	0.0	0.0	-13.47	1.27	3.33	40.7
		0.00	0.00	10.6	0.0	0.0	-222.01	2.79	-3.66	-
001	G	0.00	0.00	-155.6	0.0	0.0	-13.47	-4.25	0.83	41.5
		0.00	0.00	10.5	0.0	0.0	-222.01	2.79	-8.68	-
002	G	0.00	0.00	-154.5	0.0	0.0	-13.47	-14.26	-1.67	46.7
		0.00	0.00	10.5	0.0	0.0	-222.01	2.79	-13.69	-
Line 4 Section 62									D0146 D0147	
000	G	0.00	0.00	-154.5	0.0	0.0	-13.47	-14.26	-1.67	46.7
		0.00	0.00	10.5	0.0	0.0	-238.50	-0.34	16.15	-
001	G	0.00	0.00	-154.5	0.0	0.0	-13.47	-13.46	-1.65	46.3
		0.00	0.00	10.5	0.0	0.0	-238.50	-0.34	15.87	-
002	G	0.00	0.00	-154.4	0.0	0.0	-13.47	-12.67	-1.63	45.8
		0.00	0.00	10.5	0.0	0.0	-238.50	-0.34	15.59	-
Line 4 Section 63									D0147 D0155	
000	G	2.23	0.00	-154.4	0.0	0.0	-13.47	-12.67	-1.63	79.9
		-0.03	0.00	10.5	0.0	0.0	-238.50	-0.34	15.59	-13.5
001	G	2.23	-0.01	-154.3	0.0	0.0	-13.47	-11.11	-1.60	79.6
		-0.03	0.00	10.5	0.0	0.0	-238.72	-0.34	15.59	-13.5
Line 4 Section 64									D0155 D0156	
000	G	0.00	0.00	-154.3	0.0	0.0	-13.47	-11.11	-1.60	45.0
		0.00	0.00	10.5	0.0	0.0	-238.72	-0.34	15.59	-
001	G	0.00	0.00	-150.7	0.0	0.1	-13.47	10.45	-0.57	44.5
		0.00	0.00	10.2	0.0	0.0	-238.72	-0.34	-1.22	-
002	G	0.00	0.00	-147.2	0.0	0.0	-13.47	-18.41	0.45	48.9
		0.00	0.00	10.0	0.0	0.0	-238.72	-0.34	-18.03	-
Line 4 Section 65									D0156 NN0001	
000	G	0.00	0.00	-147.2	0.0	0.0	-13.47	-18.41	0.45	48.9
		0.00	0.00	10.0	0.0	0.0	-256.53	0.10	17.15	-
001	G	0.00	0.00	-143.6	0.0	0.1	-13.47	7.82	0.17	43.2
		0.00	0.00	9.8	0.0	0.0	-256.53	0.10	0.34	-
002	G	0.00	0.00	-140.0	0.0	0.0	-13.47	-16.38	-0.12	47.8
		0.00	0.00	9.5	0.0	0.0	-256.53	0.10	-16.47	-
Line 4 Section 66									NN0001 D0157	
000	G	0.00	0.00	-140.0	0.0	0.0	-13.47	-16.38	-0.12	47.8
		0.00	0.00	9.5	0.0	0.0	-273.18	-0.03	16.72	-
001	G	0.00	0.00	-136.5	0.0	0.1	-13.47	8.56	-0.04	43.5
		0.00	0.00	9.3	0.0	0.0	-273.18	-0.03	-0.09	-
002	G	0.00	0.00	-132.9	0.0	0.0	-13.47	-16.93	0.03	48.1
		0.00	0.00	9.1	0.0	0.0	-273.18	-0.03	-16.90	-
Line 4 Section 67									D0157 NN0002	
000	G	0.00	0.00	-132.9	0.0	0.0	-13.47	-16.93	0.03	48.1
		0.00	0.00	9.1	0.0	0.0	-290.07	0.01	16.83	-
001	G	0.00	0.00	-129.4	0.0	0.1	-13.47	8.36	0.01	43.4
		0.00	0.00	8.8	0.0	0.0	-290.07	0.01	0.02	-
002	G	0.00	0.00	-125.9	0.0	0.0	-13.47	-16.78	-0.01	48.0
		0.00	0.00	8.6	0.0	0.0	-290.07	0.01	-16.79	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 68									NN0002 D0158	
000	G	0.00	0.00	-125.9	0.0	0.0	-13.47	-16.78	-0.01	48.0
		0.00	0.00	8.6	0.0	0.0	-306.87	0.00	16.80	-
001	G	0.00	0.00	-122.3	0.0	0.1	-13.47	8.42	0.00	43.5
		0.00	0.00	8.4	0.0	0.0	-306.87	0.00	-0.01	-
002	G	0.00	0.00	-118.8	0.0	0.0	-13.47	-16.82	0.00	48.0
		0.00	0.00	8.1	0.0	0.0	-306.87	0.00	-16.82	-
Line 4 Section 69									D0158 D0160	
000	G	0.00	0.00	-118.8	0.0	0.0	-13.47	-16.82	0.00	48.0
		0.00	0.00	8.1	0.0	0.0	-323.68	0.00	16.81	-
001	G	0.00	0.00	-115.3	0.0	0.1	-13.47	8.40	0.00	43.5
		0.00	0.00	7.9	0.0	0.0	-323.68	0.00	0.00	-
002	G	0.00	0.00	-111.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	7.7	0.0	0.0	-323.68	0.00	-16.81	-
Line 4 Section 70									D0160 D0165	
000	G	0.00	0.00	-111.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	7.7	0.0	0.0	-340.49	0.00	16.81	-
001	G	0.00	0.00	-108.3	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	7.4	0.0	0.0	-340.49	0.00	0.00	-
002	G	0.00	0.00	-104.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	7.2	0.0	0.0	-340.49	0.00	-16.81	-
Line 4 Section 71									D0165 D0167	
000	G	0.00	0.00	-104.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	7.2	0.0	0.0	-357.30	0.00	16.81	-
001	G	0.00	0.00	-101.3	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	7.0	0.0	0.0	-357.30	0.00	0.00	-
002	G	0.00	0.00	-97.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	6.7	0.0	0.0	-357.30	0.00	-16.81	-
Line 4 Section 72									D0167 D0168	
000	G	0.00	0.00	-97.8	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	6.7	0.0	0.0	-374.11	0.00	16.81	-
001	G	0.00	0.00	-94.4	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	6.5	0.0	0.0	-374.11	0.00	0.00	-
002	G	0.00	0.00	-90.9	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	6.3	0.0	0.0	-374.11	0.00	-16.81	-
Line 4 Section 73									D0168 D0169	
000	G	0.00	0.00	-90.9	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	6.3	0.0	0.0	-390.92	0.00	16.81	-
001	G	0.00	0.00	-87.5	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	6.0	0.0	0.0	-390.92	0.00	0.00	-
002	G	0.00	0.00	-84.0	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	5.8	0.0	0.0	-390.92	0.00	-16.81	-
Line 4 Section 74									D0169 NN0014	
000	G	0.00	0.00	-84.0	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	5.8	0.0	0.0	-407.73	0.00	16.81	-
001	G	0.00	0.00	-80.6	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	5.6	0.0	0.0	-407.73	0.00	0.00	-
002	G	0.00	0.00	-77.1	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	5.3	0.0	0.0	-407.73	0.00	-16.81	-
Line 4 Section 75									NN0014 NN0015	
000	G	0.00	0.00	-77.1	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	5.3	0.0	0.0	-424.54	0.00	16.81	-
001	G	0.00	0.00	-73.7	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	5.1	0.0	0.0	-424.54	0.00	0.00	-
002	G	0.00	0.00	-70.3	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	4.9	0.0	0.0	-424.54	0.00	-16.81	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 76									NN0015	NN0016
000	G	0.00	0.00	-70.3	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	4.9	0.0	0.0	-441.35	0.00	16.81	-
001	G	0.00	0.00	-66.9	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	4.6	0.0	0.0	-441.35	0.00	0.00	-
002	G	0.00	0.00	-63.5	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	4.4	0.0	0.0	-441.35	0.00	-16.81	-
Line 4 Section 77									NN0016	NN0017
000	G	0.00	0.00	-63.5	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	4.4	0.0	0.0	-458.16	0.00	16.81	-
001	G	0.00	0.00	-60.1	0.0	0.1	-13.47	8.40	0.00	43.5
		0.00	0.00	4.2	0.0	0.0	-458.16	0.00	0.00	-
002	G	0.00	0.00	-56.7	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	3.9	0.0	0.0	-458.16	0.00	-16.81	-
Line 4 Section 78									NN0017	NN0018
000	G	0.00	0.00	-56.7	0.0	0.0	-13.47	-16.81	0.00	48.0
		0.00	0.00	3.9	0.0	0.0	-474.98	0.00	16.81	-
001	G	0.00	0.00	-53.3	0.0	0.1	-13.47	8.41	0.00	43.5
		0.00	0.00	3.7	0.0	0.0	-474.98	0.00	0.00	-
002	G	0.00	0.00	-49.9	0.0	0.0	-13.47	-16.80	0.00	48.0
		0.00	0.00	3.5	0.0	0.0	-474.98	0.00	-16.81	-
Line 4 Section 79									NN0018	NN0019
000	G	0.00	0.00	-49.9	0.0	0.0	-13.47	-16.80	0.00	48.0
		0.00	0.00	3.5	0.0	0.0	-491.78	0.00	16.80	-
001	G	0.00	0.00	-46.5	0.0	0.1	-13.47	8.40	0.00	43.5
		0.00	0.00	3.3	0.0	0.0	-491.78	0.00	-0.01	-
002	G	0.00	0.00	-43.1	0.0	0.0	-13.47	-16.84	0.00	48.1
		0.00	0.00	3.0	0.0	0.0	-491.78	0.00	-16.82	-
Line 4 Section 80									NN0019	NN0020
000	G	0.00	0.00	-43.1	0.0	0.0	-13.47	-16.84	0.00	48.1
		0.00	0.00	3.0	0.0	0.0	-508.61	0.00	16.83	-
001	G	0.00	0.00	-39.8	0.0	0.1	-13.47	8.44	0.00	43.5
		0.00	0.00	2.8	0.0	0.0	-508.61	0.00	0.02	-
002	G	0.00	0.00	-36.4	0.0	0.0	-13.47	-16.71	0.00	48.0
		0.00	0.00	2.6	0.0	0.0	-508.61	0.00	-16.79	-
Line 4 Section 81									NN0020	NN0021
000	G	0.00	0.00	-36.4	0.0	0.0	-13.47	-16.71	0.00	48.0
		0.00	0.00	2.6	0.0	0.0	-525.37	0.00	16.73	-
001	G	0.00	0.00	-33.1	0.0	0.1	-13.47	8.27	0.00	43.4
		0.00	0.00	2.3	0.0	0.0	-525.37	0.00	-0.08	-
002	G	0.00	0.00	-29.7	0.0	0.0	-13.47	-17.19	0.00	48.3
		0.00	0.00	2.1	0.0	0.0	-525.37	0.00	-16.89	-
Line 4 Section 82									NN0021	NN0022
000	G	0.00	0.00	-29.7	0.0	0.0	-13.47	-17.19	0.00	48.3
		0.00	0.00	2.1	0.0	0.0	-542.36	0.00	17.11	-
001	G	0.00	0.00	-26.4	0.0	0.1	-13.47	8.92	0.00	43.7
		0.00	0.00	1.9	0.0	0.0	-542.36	0.00	0.30	-
002	G	0.00	0.00	-23.1	0.0	0.0	-13.47	-15.41	0.00	47.2
		0.00	0.00	1.6	0.0	0.0	-542.36	0.00	-16.51	-
Line 4 Section 83									NN0022	NN0023
000	G	0.00	0.00	-23.1	0.0	0.0	-13.47	-15.41	0.00	47.2
		0.00	0.00	1.6	0.0	0.0	-558.47	0.00	15.71	-
001	G	0.00	0.00	-19.8	0.0	0.0	-13.47	6.49	0.00	42.5
		0.00	0.00	1.4	0.0	0.0	-558.47	0.00	-1.11	-
002	G	0.00	0.00	-16.5	0.0	0.0	-13.47	-22.04	0.00	51.1
		0.00	0.00	1.2	0.0	0.0	-558.47	0.00	-17.92	-

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 84									NN0023 NN0024	
000	G	0.00	0.00	-16.5	0.0	0.0	-13.47	-22.04	0.00	51.1
		0.00	0.00	1.2	0.0	0.0	-577.57	0.00	20.29	-
001	G	0.00	0.00	-12.3	0.0	0.3	-13.47	14.64	0.00	46.8
		0.00	0.00	0.9	0.0	0.0	-577.57	0.00	-0.72	-
002	G	0.00	0.00	-8.2	0.0	0.0	-13.47	-27.47	0.00	54.5
		0.00	0.00	0.6	0.0	0.0	-577.57	0.00	-21.74	-
Line 4 Section 85									NN0024 D0170	
000	G	0.00	0.00	-8.2	0.0	0.0	-13.47	-27.47	0.00	54.5
		0.00	0.00	0.6	0.0	0.0	-599.07	0.00	21.25	-
001	G	0.00	0.00	-4.1	0.0	0.2	-13.47	12.83	0.00	45.8
		0.00	0.00	0.3	0.0	0.0	-599.07	0.00	0.24	-
002	G	0.00	0.00	0.0	0.0	0.0	-13.47	-25.66	0.00	53.3
		0.00	0.00	0.0	0.0	0.0	-599.07	0.00	-20.77	-

Extract of results (maximum values)**1. PUR foam and casing**

ANR	- Section number
EC-thickness	- EC-thickness in mm
TAUPUR	- PUR shear stress in MPa
SIGPUR	- PUR compressive stress in MPa
FRg'	- Resulting frictional force from FR' (wu) and MR' (pu) in kN/m
Qg'(v,w)	- Resulting lateral compression from Q' (wv) and Q' (ww) in kN/m

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
Line 1 Section 1								A0010 NN0029
1 G	31.3	0.024	0.027	49.5	0.122	0.150	0	
Line 1 Section 2								NN0029 NN0028
2 G	1.3	0.001	0.027	0.8	0.002	0.150	0	
Line 1 Section 3								NN0028 NN0027
3 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
3 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 1 Section 4								NN0027 TT01
4 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 1								B0010 B0020
1 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 2 Section 2								B0020 B0030
2 G	24.1	0.019	0.027	0.1	0.000	0.150	0	
Line 2 Section 3								B0030 B0032
3 G	26.3	0.021	0.027	8.5	0.021	0.150	0	
Line 2 Section 4								B0032 NN0008
4 G	0.2	0.000	0.027	0.1	0.000	0.150	0	
Line 2 Section 5								NN0008 GNA-3
5 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 6								GNA-3 B0035
6 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 7								B0035 B0040
7 G	0.2	0.000	0.027	0.1	0.000	0.150	0	
Line 2 Section 8								B0040 B0050
8 G	26.0	0.020	0.027	3.4	0.008	0.150	40	
Line 2 Section 9								B0050 B0055
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 10								B0055 B0060
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
10 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 11								B0060 TT02
11 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 1								C0010 C0020
1 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 3 Section 2								C0020 C0030
2 G	24.1	0.019	0.027	0.1	0.000	0.150	0	
Line 3 Section 3								C0030 C0032
3 G	25.4	0.020	0.027	8.8	0.022	0.150	0	
Line 3 Section 4								C0032 NN0007

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
4 G	0.2	0.000	0.027	0.1	0.000	0.150	0	
Line 3 Section 5								NN0007 GNA-4
5 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 6								GNA-4 C0035
6 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 7								C0035 C0040
7 G	0.2	0.000	0.027	0.1	0.000	0.150	0	
Line 3 Section 8								C0040 C0045
8 G	25.2	0.020	0.027	2.7	0.007	0.150	40	
Line 3 Section 9								C0045 C0050
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 10								C0050 C0060
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
10 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 11								C0060 TT03
11 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 1								D0010 D0012
1 G	35.6	0.016	0.027	45.2	0.064	0.150	0	
Line 4 Section 2								D0012 D0015
2 G	42.2	0.019	0.027	32.0	0.045	0.150	40	
Line 4 Section 3								D0015 D0017
3 G	54.6	0.024	0.027	62.4	0.088	0.150	80	
Line 4 Section 4								D0017 D0020
4 G	51.7	0.023	0.027	55.0	0.077	0.150	120	
4 B	56.1	0.025	0.027	66.2	0.093	0.150	120	
Line 4 Section 5								D0020 NN0006
5 G	32.6	0.015	0.027	7.0	0.010	0.150	120	
Line 4 Section 6								NN0006 D0021
6 G	32.6	0.015	0.027	7.4	0.010	0.150	80	
Line 4 Section 7								D0021 D0022
7 G	40.6	0.018	0.027	27.8	0.039	0.150	0	
Line 4 Section 8								D0022 D0023
8 G	2.3	0.001	0.027	0.1	0.000	0.150	0	
Line 4 Section 9								D0023 D0025
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 10								D0025 TG01
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 11								TG01 D0030
11 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 12								D0030 D0035
12 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 13								D0035 D0037
13 G	2.3	0.001	0.027	0.2	0.000	0.150	0	
Line 4 Section 14								D0037 NN0009
14 G	30.4	0.014	0.027	2.1	0.003	0.150	0	
Line 4 Section 15								NN0009 NN0010
15 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 16								NN0010 GNA-2
16 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 17								GNA-2 NN0011

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
17 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 18								NN0011 D0039
18 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 19								D0039 NN0026
19 G	31.8	0.014	0.027	0.2	0.000	0.150	0	
Line 4 Section 20								NN0026 D0040
20 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 21								D0040 D0041
21 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 22								D0041 D0042
22 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 23								D0042 NN0005
23 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 24								NN0005 KNA-2
24 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 25								KNA-2 D0044
25 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 26								D0044 D0045
26 G	29.1	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 27								D0045 D0047
27 G	29.1	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 28								D0047 D0050
28 G	29.1	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 29								D0050 D0060
29 G	30.9	0.014	0.027	0.2	0.000	0.150	0	
Line 4 Section 30								D0060 NN0004
30 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 31								NN0004 D0061
31 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 32								D0061 D0062
32 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 33								D0062 D0065
33 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 34								D0065 D0070
34 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 35								D0070 D0075
35 G	29.6	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 36								D0075 D0080
36 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 37								D0080 D0090
37 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 38								D0090 D0091
38 G	6.0	0.003	0.027	0.0	0.000	0.150	0	
Line 4 Section 39								D0091 D0092
39 G	25.5	0.011	0.027	0.0	0.000	0.150	0	
Line 4 Section 40								D0092 NN0012
40 G	0.2	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 41								NN0012 GNA-1
41 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 42								GNA-1 D0094

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
42 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 43								D0094 D0095
43 G	0.2	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 44								D0095 D0100
44 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 45								D0100 D0110
45 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 46								D0110 D0115
46 G	29.5	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 47								D0115 D0120
47 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 48								D0120 D0125
48 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 49								D0125 D0130
49 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 50								D0130 D0132
50 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 51								D0132 D0133
51 G	21.8	0.010	0.027	0.0	0.000	0.150	0	
Line 4 Section 52								D0133 D0135
52 G	29.6	0.013	0.027	1.1	0.002	0.150	0	
Line 4 Section 53								D0135 D0140
53 G	2.3	0.001	0.027	0.1	0.000	0.150	0	
Line 4 Section 54								D0140 D0145
54 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 55								D0145 NN0003
55 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 56								NN0003 TG02
56 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 57								TG02 NN0025
57 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 58								NN0025 TG03
58 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 59								TG03 KNA-1
59 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 60								KNA-1 NN0013
60 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 61								NN0013 D0146
61 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 62								D0146 D0147
62 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 63								D0147 D0155
63 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 64								D0155 D0156
64 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 65								D0156 NN0001
65 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 66								NN0001 D0157
66 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 67								D0157 NN0002

ANR I	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thicknes	
67 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 68								NN0002 D0158
68 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 69								D0158 D0160
69 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 70								D0160 D0165
70 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 71								D0165 D0167
71 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 72								D0167 D0168
72 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 73								D0168 D0169
73 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 74								D0169 NN0014
74 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 75								NN0014 NN0015
75 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 76								NN0015 NN0016
76 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 77								NN0016 NN0017
77 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 78								NN0017 NN0018
78 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 79								NN0018 NN0019
79 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 80								NN0019 NN0020
80 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 81								NN0020 NN0021
81 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 82								NN0021 NN0022
82 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 83								NN0022 NN0023
83 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 84								NN0023 NN0024
84 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 85								NN0024 D0170
85 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Allowable values								50.0

2. Medium pipe

2.1. Circumferential stress by internal pressure and hoop bending stress (MPa)

STR	- Line number
ANR	- Section number
SNR	- Cut number
PKT	- Point name
PHI	- Angle of segment in °
P	- Internal pressure in bar
SIGT(P)	- Circumferential stress by internal pressure in MPa
SIGT(Rb)	- Hoop stress caused by lateral compression in MPa
SIGT	- SIGT(P) + SIGT(Rb)
all. SIGT	- Allowable tangential stress in MPa

STR	ANR	SNR	PKT	KZ	PHI	P	SIGT(P)	SIGT(Rb)	SIGT	all. SIGT
4	4	2	D0020	B	90	0.00	0.0	109.0	109.0	138.3
4	4	2	D0020	B	270	16.00	86.8	22.7	109.5	138.3

2.1.1. Maximum circumferential stresses of individual sections

STR	ANR	SNR	PKT	KZ	P	SIGT(P)	SIGT(Rb)	SIGT
4	4	2	D0020	B	16.00	86.8	22.7	109.5
4	4	3	D0020	B	16.00	86.8	22.7	109.5
4	4	4	D0020	B	16.00	86.8	22.7	109.5
4	4	5	D0020	B	16.00	86.8	22.7	109.5
4	4	6	D0020	B	16.00	86.8	22.7	109.5
4	4	7	D0020	B	16.00	86.8	22.7	109.5
4	4	8	D0020	B	16.00	86.8	22.7	109.5
4	4	9	D0020	B	16.00	86.8	22.7	109.5
4	4	10	D0020	B	16.00	86.8	22.7	109.5
4	4	1	D0020	B	16.00	86.8	21.9	108.7

2.2. Axial stress caused by friction

The maximum axial stress amounts to -171.2 MPa and occurs in line 4, section 40, section number 1

The allowable axial stress of 180.0 MPa is not exceeded.

Results Load condition 3: Cold condition (adt=adt_kalt)

Coordinate system

- u,v,w - Local coordinate system (orthogonal system)
 u - axial positive in direction of calculation
 v - horizontal to right
 w - vertical down
 (for v and w special definition for bends and vertical sections, see manual)

Section results

- wu,wv,ww - Displacement in mm
 pu,pv,pw - Rotation in mrad
 Mu,Mv,Mw - Moments in kNm (Mu = Mt)
 Qu,Qv,Qw - Forces in kN (Qu = Fn)
 SIGV - Reference stress in N/mm² (or MPa)
 (Maximum from calculation on inner- and outerfibre with 10 ° steps
 in circum. direction, local stress factors based on the chosen calculation base)
 SIGAX - Axial stress in N/mm² (or MPa)

More results and estimations

- FR'(wu) - axial friction with lateral compression in kN/m
 MR'(pu) - Frictional torsion moment in kNm/m
 Q'(wv) - lateral compression by wv-displacement in kN/m
 Q'(ww) - lateral compression by ww-displacement in kN/m
 SNR - section number within a section
 KZ=G - characteristic for the straight area
 KZ=B - characteristic for bends
 KZ=T - characteristic for T-piece
 KZ=K - characteristic for mitre

SNR	KZ	FR'(wu)	Q'(wv)	wu	wv	ww	Mu	Mv	Mw	SigV
		MR'(pu)	Q'(ww)	pu	pv	pw	Qu	Qv	Qw	SigAx
Line 1	Section 1									A0010 NN0029
000	G	-18.29	-6.04	-1.9	0.7	-0.2	0.00	0.00	0.00	0.0
		-0.04	2.03	1.1	-0.1	-0.1	0.00	0.00	0.00	0.0
001	G	-18.04	-5.71	-1.9	0.7	-0.2	0.02	-0.24	-0.72	2.1
		-0.04	1.75	1.1	-0.1	-0.1	8.85	2.86	-0.92	1.1
002	G	-17.77	-5.33	-1.9	0.6	-0.2	0.04	-0.90	-2.79	6.0
		-0.05	1.44	1.1	-0.1	-0.1	17.57	5.55	-1.70	2.2
003	G	-17.39	-4.76	-1.9	0.5	-0.1	0.06	-1.89	-6.12	11.5
		-0.05	1.07	1.1	-0.1	-0.2	26.13	8.01	-2.31	3.3
004	G	-16.82	-3.82	-1.9	0.4	-0.1	0.09	-3.14	-10.59	18.5
		-0.06	0.58	1.1	-0.1	-0.3	34.46	10.10	-2.71	4.4
005	G	-15.98	-2.20	-1.9	0.3	0.0	0.13	-4.53	-15.96	26.6
		-0.07	0.10	1.1	-0.2	-0.5	42.44	11.56	-2.83	5.4
006	G	-15.63	0.39	-1.9	0.0	0.1	0.17	-5.90	-21.85	35.3
		-0.09	1.06	1.1	-0.3	-0.8	50.14	12.00	-2.54	6.3
007	G	-8.37	4.31	-1.9	-0.5	0.3	0.22	-7.01	-27.65	43.6
		-0.12	2.38	1.1	-0.4	-1.1	55.98	10.86	-1.71	7.1
008	G	6.42	9.69	-1.8	-1.1	0.5	0.27	-7.56	-32.43	49.8
		-0.11	4.13	1.1	-0.5	-1.5	56.46	7.45	-0.12	7.1
009	G	22.79	16.50	-1.8	-2.0	0.7	0.32	-7.13	-34.91	51.9
		-0.09	6.35	1.2	-0.6	-2.0	49.35	1.07	2.43	6.2
010	G	27.10	24.35	-1.8	-3.1	1.0	0.36	-5.19	-33.47	48.1
		-0.07	9.04	1.2	-0.7	-2.5	37.20	-8.88	6.18	4.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 1	Section 2								NN0029 NN0028	
000	G	1.28	-0.79	-1.8	-3.1	1.0	0.36	-5.19	-33.47	48.1
		0.00	0.46	1.2	-0.7	-2.5	37.20	-8.88	6.18	4.7
001	G	1.29	-0.79	-1.8	-3.4	1.1	0.36	-4.57	-32.59	46.9
		0.00	0.49	1.2	-0.7	-2.6	37.07	-8.80	6.23	4.7
Line 1	Section 3								NN0028 NN0027	
000	G	0.00	0.00	-1.8	-3.4	1.1	0.36	-4.57	-32.59	75.1
		0.00	0.00	1.2	-0.7	-2.6	37.07	-8.80	6.23	6.6
001	G	0.00	0.00	-1.8	-14.1	2.7	0.36	6.33	-12.13	31.3
		0.00	0.00	1.2	-0.4	-6.1	37.07	-8.80	3.15	6.6
002	G	0.00	0.00	-1.7	-29.1	2.3	0.36	10.08	8.32	29.8
		0.00	0.00	1.3	0.9	-6.3	37.07	-8.80	0.07	6.6
000	B	0.00	0.00	-1.7	2.3	29.1	0.36	8.32	-10.08	87.1
		0.00	0.00	1.3	-6.3	-0.9	37.07	0.07	8.80	6.6
001	B	0.00	0.00	-1.6	2.3	29.5	1.03	8.80	-10.00	89.0
		0.00	0.00	0.8	-6.1	-1.3	36.95	-2.91	8.80	6.6
002	B	0.00	0.00	-1.4	2.4	29.8	1.74	9.22	-9.73	90.0
		0.00	0.00	0.5	-5.8	-1.7	36.60	-5.88	8.80	6.5
003	B	0.00	0.00	-1.2	2.4	30.2	2.48	9.59	-9.28	90.4
		0.00	0.00	0.1	-5.5	-2.0	36.00	-8.82	8.80	6.4
004	B	0.00	0.00	-1.0	2.3	30.5	3.25	9.90	-8.66	90.2
		0.00	0.00	-0.2	-5.1	-2.4	35.18	-11.69	8.80	6.3
005	B	0.00	0.00	-0.8	2.2	30.8	4.03	10.15	-7.86	89.6
		0.00	0.00	-0.4	-4.7	-2.7	34.12	-14.49	8.80	6.1
005	B	0.00	0.00	-0.8	2.2	30.8	4.03	10.15	-7.86	89.6
		0.00	0.00	-0.4	-4.7	-2.7	34.12	-14.49	8.80	6.1
006	B	0.00	0.00	-0.7	2.1	31.0	4.84	10.34	-6.90	88.8
		0.00	0.00	-0.5	-4.2	-3.0	32.84	-17.19	8.80	5.9
007	B	0.00	0.00	-0.5	2.0	31.3	5.66	10.46	-5.77	88.1
		0.00	0.00	-0.5	-3.8	-3.2	31.35	-19.79	8.80	5.6
008	B	0.00	0.00	-0.3	1.8	31.5	6.48	10.52	-4.49	87.6
		0.00	0.00	-0.5	-3.3	-3.4	29.65	-22.25	8.80	5.3
009	B	0.00	0.00	-0.2	1.6	31.7	7.31	10.52	-3.07	87.7
		0.00	0.00	-0.4	-2.9	-3.6	27.76	-24.57	8.80	5.0
010	B	0.00	0.00	-0.1	1.4	31.9	8.13	10.44	-1.51	88.7
		0.00	0.00	-0.2	-2.5	-3.7	25.69	-26.73	8.80	4.6
Line 1	Section 4								NN0027 TT01	
000	G	0.00	0.00	-0.1	-31.9	1.4	8.13	1.51	10.44	30.4
		0.00	0.00	-0.2	3.7	-2.5	25.69	-8.80	-26.73	4.6
001	G	0.00	0.00	-0.1	-32.2	0.8	8.13	-2.69	11.82	33.3
		0.00	0.00	-0.1	3.7	-2.4	25.55	-8.80	-26.87	4.6
002	G	0.00	0.00	-0.1	-32.6	0.2	8.13	-6.92	13.20	38.8
		0.00	0.00	0.0	3.6	-2.2	25.40	-8.80	-27.02	4.5
004	T	0.00	0.00	-0.1	-32.6	0.2	8.13	-6.92	13.20	0.0
		0.00	0.00	0.0	-0.2	0.0	25.40	-8.80	-27.02	
005	T	0.00	0.00	-0.1	-32.6	0.3	8.13	-16.52	16.33	0.0
		0.00	0.00	0.0	-0.2	0.0	25.40	-8.80	-27.02	
006	T	0.00	0.00	-32.6	0.1	0.3	-16.52	-8.13	16.33	0.0
		0.00	0.00	-0.2	0.0	0.0	-8.80	-25.40	-27.02	
007	T	0.00	0.00	-32.6	0.3	0.2	-16.52	5.80	17.30	0.0
		0.00	0.00	-0.2	0.0	0.0	-8.80	-37.07	-1.15	
Line 2	Section 1								B0010 B0020	
000	G	-24.07	0.00	-8.4	0.0	0.0	0.00	0.00	0.00	0.0
		0.00	0.00	-0.1	0.0	0.0	0.00	0.00	0.00	0.0
001	G	-24.07	0.00	-8.4	0.0	0.0	0.00	0.00	0.00	1.5
		0.00	0.00	-0.1	0.0	0.0	12.20	0.00	0.00	1.5
002	G	-24.07	0.00	-8.4	0.0	0.0	0.00	0.00	0.00	3.1
		0.00	0.00	-0.1	0.0	0.0	24.41	0.00	0.00	3.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	-24.07	0.00	-8.4	0.0	0.0	0.00	0.00	0.00	4.6
		0.00	0.00	-0.1	0.0	0.0	36.61	0.00	0.00	4.6
004	G	-24.07	0.00	-8.4	0.0	0.0	0.00	0.00	0.00	6.2
		0.00	0.00	-0.1	0.0	0.0	48.82	0.00	0.00	6.2
005	G	-24.07	0.00	-8.3	0.0	0.0	0.00	0.00	0.00	7.7
		0.00	0.00	-0.1	0.0	0.0	61.02	0.00	0.00	7.7
006	G	-24.07	0.00	-8.3	0.0	0.0	0.00	0.00	0.00	9.2
		0.00	0.00	-0.1	0.0	0.0	73.23	0.00	0.00	9.2
007	G	-24.07	0.00	-8.3	0.0	0.0	-0.01	0.00	0.00	10.8
		0.00	0.00	-0.1	0.0	0.0	85.43	0.00	0.00	10.8
008	G	-24.07	0.00	-8.3	0.0	0.0	-0.01	0.00	0.00	12.3
		0.00	0.00	-0.1	0.0	0.0	97.64	0.00	0.00	12.3
009	G	-24.07	0.00	-8.2	0.0	0.0	-0.01	0.00	0.00	13.9
		0.00	0.00	-0.1	0.0	0.0	109.84	0.00	0.00	13.9
010	G	-24.07	0.00	-8.2	0.0	0.0	-0.01	0.00	0.00	15.4
		0.00	0.00	-0.1	0.0	0.0	122.05	0.00	0.00	15.4
011	G	-24.07	0.00	-8.2	0.0	0.0	-0.01	0.00	0.00	17.0
		0.00	0.00	-0.1	0.0	0.0	134.25	0.00	0.00	17.0
012	G	-24.07	0.00	-8.1	0.0	0.0	-0.01	0.00	0.00	18.5
		0.00	0.00	-0.1	0.0	0.0	146.46	0.00	0.00	18.5
013	G	-24.07	0.00	-8.1	0.0	0.0	-0.01	0.00	0.00	20.0
		0.00	0.00	-0.1	0.0	0.0	158.66	0.00	0.00	20.0
014	G	-24.07	0.00	-8.0	0.0	0.0	-0.01	0.00	0.00	21.6
		0.00	0.00	-0.1	0.0	0.0	170.87	0.00	0.00	21.6
015	G	-24.07	0.00	-8.0	0.0	0.0	-0.01	0.00	0.00	23.1
		0.00	0.00	-0.1	0.0	0.0	183.07	0.00	0.00	23.1
016	G	-24.07	0.00	-7.9	0.0	0.0	-0.01	0.00	0.00	24.7
		0.00	0.00	-0.1	0.0	0.0	195.27	0.00	0.00	24.7
017	G	-24.07	0.00	-7.9	0.0	0.0	-0.01	0.00	0.00	26.2
		0.00	0.00	-0.1	0.0	0.0	207.48	0.00	0.00	26.2
018	G	-24.07	0.00	-7.8	0.0	0.0	-0.01	0.00	0.00	27.7
		0.00	0.00	-0.1	0.0	0.0	219.68	0.00	0.00	27.7
019	G	-24.07	0.00	-7.7	0.0	0.0	-0.02	0.00	0.00	29.3
		0.00	0.00	-0.1	0.0	0.0	231.89	0.00	0.00	29.3
020	G	-24.07	0.00	-7.7	0.0	0.0	-0.02	0.00	0.00	30.8
		0.00	0.00	-0.1	0.0	0.0	244.09	0.00	0.00	30.8
Line 2	Section 2								B0020 B0030	
000	G	-24.07	0.00	-7.7	0.0	0.0	-0.02	0.00	0.00	30.8
		0.00	0.00	-0.1	0.0	0.0	244.09	0.00	0.00	30.8
001	G	-23.49	0.00	-7.6	0.0	0.0	-0.02	0.00	0.00	32.3
		0.00	0.00	-0.1	0.0	0.0	256.01	0.00	0.00	32.3
002	G	-22.90	0.00	-7.5	0.0	0.0	-0.02	0.00	0.00	33.8
		0.00	0.00	-0.1	0.0	0.0	267.63	0.00	0.00	33.8
003	G	-22.32	0.00	-7.4	0.0	0.0	-0.02	0.00	0.00	35.2
		0.00	0.00	-0.1	0.0	0.0	278.96	0.00	0.00	35.2
004	G	-21.73	0.00	-7.3	0.0	0.0	-0.02	0.00	0.00	36.6
		0.00	0.00	-0.1	0.0	0.0	290.00	0.00	0.00	36.6
005	G	-21.15	0.00	-7.3	0.0	0.0	-0.02	0.00	0.00	38.0
		0.00	0.00	-0.1	0.0	0.0	300.74	0.00	0.00	38.0
006	G	-20.56	0.00	-7.2	0.0	0.0	-0.02	0.00	0.00	39.3
		0.00	0.00	-0.1	0.0	0.0	311.19	0.00	0.00	39.3
007	G	-19.98	0.00	-7.1	0.0	0.0	-0.02	0.00	0.00	40.6
		0.00	0.00	-0.1	0.0	0.0	321.35	0.00	0.00	40.6
008	G	-19.39	0.00	-7.0	0.0	0.0	-0.02	0.00	0.00	41.8
		0.00	0.00	-0.1	0.0	0.0	331.21	0.00	0.00	41.8
009	G	-18.81	0.00	-6.9	0.0	0.0	-0.02	0.00	0.00	43.0
		0.00	0.00	-0.1	0.0	0.0	340.78	0.00	0.00	43.0
010	G	-18.22	0.00	-6.8	0.0	0.0	-0.03	0.00	0.00	44.2
		0.00	0.00	-0.1	0.0	0.0	350.06	0.00	0.00	44.2
011	G	-17.64	0.00	-6.7	0.0	0.0	-0.03	0.00	0.00	45.3
		0.00	0.00	-0.1	0.0	0.0	359.04	0.00	0.00	45.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
012	G	-17.05	0.00	-6.6	0.0	0.0	-0.03	0.00	0.00	46.4
		0.00	0.00	-0.1	0.0	0.0	367.74	0.00	0.00	46.4
013	G	-16.47	0.00	-6.5	0.0	0.0	-0.03	0.00	0.00	47.5
		0.00	0.00	-0.1	0.0	0.0	376.13	0.00	0.00	47.5
014	G	-15.88	0.00	-6.3	0.0	0.0	-0.03	0.00	0.00	48.5
		0.00	0.00	-0.1	0.0	0.0	384.24	0.00	0.00	48.5
015	G	-15.30	0.00	-6.2	0.0	0.0	-0.03	0.00	0.00	49.5
		0.00	0.00	-0.1	0.0	0.0	392.05	0.00	0.00	49.5
016	G	-14.71	0.00	-6.1	0.0	0.0	-0.03	0.00	0.00	50.5
		0.00	0.00	-0.1	0.0	0.0	399.57	0.00	0.00	50.5
017	G	-14.13	0.00	-6.0	0.0	0.0	-0.03	0.00	0.00	51.4
		0.00	0.00	-0.1	0.0	0.0	406.80	0.00	0.00	51.4
018	G	-13.54	0.00	-5.9	0.0	0.0	-0.03	0.00	0.00	52.2
		0.00	0.00	-0.1	0.0	0.0	413.73	0.00	0.00	52.2
019	G	-12.96	0.00	-5.7	0.0	0.0	-0.03	0.00	0.00	53.1
		0.00	0.00	-0.1	0.0	0.0	420.37	0.00	0.00	53.1
020	G	-12.37	0.00	-5.6	0.0	0.0	-0.03	0.00	0.00	53.9
		0.00	0.00	-0.1	0.0	0.0	426.71	0.00	0.00	53.9
021	G	-11.79	0.00	-5.5	0.0	0.0	-0.03	0.00	0.00	54.7
		0.00	0.00	-0.1	0.0	0.0	432.77	0.00	0.00	54.7
022	G	-11.20	0.00	-5.4	0.0	0.0	-0.03	0.00	0.00	55.4
		0.00	0.00	-0.1	0.0	0.0	438.53	0.00	0.00	55.4
023	G	-10.62	0.00	-5.2	0.0	0.0	-0.04	0.00	0.00	56.1
		0.00	0.00	-0.1	0.0	0.0	444.00	0.00	0.00	56.1
024	G	-10.03	0.00	-5.1	0.0	0.0	-0.04	0.00	0.00	56.7
		0.00	0.00	-0.1	0.0	0.0	449.17	0.00	0.00	56.7
025	G	-9.45	0.00	-5.0	0.0	0.0	-0.04	0.00	0.00	57.3
		0.00	0.00	-0.1	0.0	0.0	454.05	0.00	0.00	57.3
026	G	-8.86	0.00	-4.8	0.0	0.0	-0.04	0.00	0.00	57.9
		0.00	0.00	-0.1	0.0	0.0	458.64	0.00	0.00	57.9
027	G	-8.28	0.00	-4.7	0.0	0.0	-0.04	0.00	0.00	58.5
		0.00	0.00	-0.1	0.0	0.0	462.93	0.00	0.00	58.5
028	G	-7.69	0.00	-4.6	0.0	0.0	-0.04	0.00	0.00	59.0
		0.00	0.00	-0.1	0.0	0.0	466.93	0.00	0.00	59.0
029	G	-7.11	0.00	-4.4	0.0	0.0	-0.04	0.00	0.00	59.4
		0.00	0.00	-0.1	0.0	0.0	470.64	0.00	0.00	59.4
030	G	-6.52	0.00	-4.3	0.0	0.0	-0.04	-0.01	0.00	59.9
		0.00	0.00	-0.1	0.0	0.0	474.06	0.00	0.00	59.9
031	G	-5.94	0.00	-4.1	0.0	0.0	-0.04	-0.01	0.00	60.3
		0.00	0.00	-0.1	0.0	0.0	477.18	0.00	0.00	60.3
032	G	-5.35	0.00	-4.0	0.0	0.0	-0.04	-0.01	0.00	60.6
		0.00	0.00	-0.1	0.0	0.0	480.01	0.00	0.00	60.6
033	G	-4.77	0.00	-3.8	0.0	0.0	-0.04	-0.01	0.00	60.9
		0.00	0.00	-0.1	0.0	0.0	482.55	0.00	0.00	60.9
034	G	-4.19	0.00	-3.7	0.0	0.0	-0.04	-0.01	0.00	61.2
		0.00	0.00	-0.1	0.0	0.0	484.79	0.00	0.00	61.2
035	G	-3.60	0.00	-3.6	0.0	0.0	-0.04	0.00	0.00	61.5
		0.00	0.00	-0.1	0.0	0.0	486.74	0.00	0.01	61.5
036	G	-3.02	0.00	-3.4	0.0	0.0	-0.04	0.00	0.00	61.7
		0.00	0.00	-0.1	0.0	0.0	488.40	0.00	0.01	61.7
037	G	-2.43	0.00	-3.3	0.0	0.0	-0.04	0.00	0.00	61.9
		0.00	0.00	-0.1	0.0	0.0	489.76	0.00	0.01	61.8
Line 2	Section 3								B0030 B0032	
000	G	-2.43	0.00	-3.3	0.0	0.0	-0.04	0.00	0.00	61.9
		0.00	0.00	-0.1	0.0	0.0	489.76	0.00	0.01	61.8
001	G	-3.51	0.00	-3.1	0.0	0.0	-0.04	0.01	0.01	62.1
		0.00	0.00	-0.1	0.0	0.0	491.27	0.00	0.01	62.0
002	G	-4.60	0.00	-3.0	0.0	0.0	-0.04	0.02	0.01	62.3
		0.00	0.00	-0.1	0.0	0.0	493.33	0.00	0.01	62.3
003	G	-5.68	0.00	-2.8	0.0	0.0	-0.04	0.02	0.01	62.7
		0.00	0.00	-0.1	0.0	0.0	495.94	0.00	0.01	62.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	-6.76	-0.01	-2.7	0.0	0.0	-0.04	0.03	0.01	63.1
		0.00	0.00	-0.1	0.0	0.0	499.10	0.00	0.02	63.0
005	G	-7.84	-0.01	-2.5	0.0	0.0	-0.04	0.04	0.00	63.5
		0.00	0.00	-0.1	0.0	0.0	502.81	0.01	0.01	63.5
006	G	-8.93	-0.01	-2.4	0.0	0.0	-0.04	0.05	0.00	64.1
		0.00	0.00	-0.1	0.0	0.0	507.07	0.01	0.01	64.0
007	G	-10.01	-0.01	-2.2	0.0	0.0	-0.04	0.05	0.00	64.7
		0.00	0.01	-0.1	0.0	0.0	511.88	0.01	0.01	64.6
008	G	-11.09	-0.01	-2.1	0.0	0.0	-0.04	0.06	-0.01	65.4
		0.00	0.01	-0.1	0.0	0.0	517.24	0.02	0.01	65.3
009	G	-12.18	0.00	-1.9	0.0	0.0	-0.04	0.06	-0.02	66.1
		0.00	0.02	-0.1	0.0	0.0	523.15	0.02	0.00	66.1
010	G	-13.26	0.00	-1.8	0.0	0.0	-0.04	0.05	-0.03	67.0
		0.00	0.02	-0.1	0.0	0.0	529.61	0.02	-0.01	66.9
011	G	-14.35	0.01	-1.6	0.0	0.0	-0.04	0.05	-0.04	67.8
		0.00	0.03	-0.1	0.0	0.0	536.62	0.01	-0.03	67.8
012	G	-15.44	0.02	-1.4	0.0	0.0	-0.04	0.03	-0.04	68.8
		0.00	0.04	-0.1	0.0	0.0	544.19	0.00	-0.04	68.7
013	G	-16.53	0.04	-1.3	0.0	0.0	-0.04	0.00	-0.04	69.8
		0.00	0.06	-0.1	0.0	0.0	552.31	-0.01	-0.07	69.7
014	G	-17.63	0.06	-1.1	0.0	0.0	-0.04	-0.04	-0.03	70.9
		-0.01	0.07	-0.1	0.0	0.0	560.99	-0.04	-0.10	70.8
015	G	-13.43	0.07	-0.9	0.0	0.0	-0.03	-0.10	-0.01	72.0
		-0.01	0.09	-0.1	0.0	0.0	568.88	-0.07	-0.14	71.8
016	G	-6.61	0.09	-0.8	0.0	0.0	-0.03	-0.19	0.04	72.7
		-0.02	0.11	-0.1	0.0	0.0	573.97	-0.11	-0.19	72.5
017	G	0.64	0.09	-0.6	0.0	0.0	-0.01	-0.30	0.10	73.1
		-0.03	0.12	-0.1	0.0	0.0	575.49	-0.15	-0.25	72.7
018	G	8.07	0.09	-0.4	0.0	0.0	0.01	-0.44	0.19	73.0
		-0.04	0.12	-0.1	0.0	0.0	573.27	-0.20	-0.31	72.4
019	G	5.47	0.07	-0.2	0.0	0.0	0.03	-0.61	0.31	72.8
		-0.06	0.10	-0.1	0.0	0.0	569.83	-0.24	-0.37	72.0
020	G	1.62	0.02	-0.1	0.0	0.0	0.07	-0.82	0.44	72.9
		-0.08	0.04	-0.1	0.0	0.0	568.03	-0.26	-0.41	71.7
Line 2 Section 4									B0032 NN0008	
000	G	0.05	0.09	-0.1	0.0	0.0	0.07	-0.82	0.44	72.9
		0.00	0.05	-0.1	0.0	0.0	568.03	-0.26	-0.41	71.7
001	G	0.03	0.05	0.0	0.0	0.0	0.07	-0.86	0.47	73.0
		0.00	0.03	-0.1	0.0	0.0	568.03	-0.27	-0.40	71.7
Line 2 Section 5									NN0008 GNA-3	
000	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.86	0.47	1.3
		0.00	0.00	-0.1	0.0	0.0	568.03	-0.27	-0.40	71.7
001	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.88	0.48	1.3
		0.00	0.00	-0.1	0.0	0.0	568.03	-0.27	-0.50	71.7
002	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.91	0.49	1.3
		0.00	0.00	-0.1	0.0	0.0	568.03	-0.27	-0.60	71.7
Line 2 Section 6									GNA-3 B0035	
000	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.91	0.49	1.3
		0.00	0.00	-0.1	0.0	0.0	26.46	0.20	0.62	3.3
001	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.88	0.48	1.3
		0.00	0.00	-0.1	0.0	0.0	26.46	0.20	0.52	3.3
002	G	0.00	0.00	0.0	0.0	0.0	0.07	-0.85	0.47	1.3
		0.00	0.00	-0.1	0.0	0.0	26.46	0.20	0.42	3.3
Line 2 Section 7									B0035 B0040	
000	G	0.00	-0.05	0.0	0.0	0.0	0.07	-0.85	0.47	4.6
		0.00	0.03	-0.1	0.0	0.0	26.46	0.20	0.42	3.3
001	G	0.00	-0.11	0.0	0.0	0.0	0.07	-0.81	0.45	4.5
		0.00	0.06	-0.1	0.0	0.0	26.46	0.21	0.42	3.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 2 Section 8									B0040 B0050	
000	G	-0.08	-0.01	0.0	0.0	0.0	0.07	-0.81	0.45	4.5
		-0.10	0.01	-0.1	0.0	0.0	26.46	0.21	0.42	3.3
001	G	-0.26	-0.03	0.0	0.0	0.0	0.12	-0.60	0.34	4.2
		-0.13	0.06	-0.1	0.0	0.0	26.55	0.22	0.44	3.4
002	G	11.33	-0.05	0.0	0.0	0.1	0.20	-0.38	0.23	3.6
		-0.16	0.11	-0.1	-0.1	0.0	23.78	0.24	0.48	3.0
Line 2 Section 9									B0050 B0055	
000	G	0.00	0.00	0.0	0.0	0.1	0.20	-0.38	0.23	0.6
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	0.48	3.0
001	G	0.00	0.00	0.0	0.0	0.1	0.20	-0.35	0.22	0.6
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	0.38	3.0
002	G	0.00	0.00	0.0	0.0	0.1	0.20	-0.34	0.21	0.6
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	0.28	3.0
Line 2 Section 10									B0055 B0060	
000	G	0.00	0.00	0.0	0.0	0.1	0.20	-0.34	0.21	0.6
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	0.28	3.0
001	G	0.00	0.00	0.0	0.0	0.1	0.20	-0.62	0.04	0.8
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	-1.10	3.0
002	G	0.00	0.00	0.0	0.1	0.1	0.20	-1.88	-0.13	2.4
		0.00	0.00	-0.1	-0.1	0.0	23.78	0.24	-2.48	3.0
000	B	0.00	0.00	0.0	-0.1	0.1	0.20	0.13	-1.88	7.6
		0.00	0.00	-0.1	0.0	-0.1	23.78	2.48	0.24	3.0
001	B	0.00	0.00	0.0	-0.2	0.1	0.21	0.13	-2.00	8.1
		0.00	0.00	-0.1	0.0	-0.1	23.92	0.76	0.24	3.0
002	B	0.00	0.00	0.0	-0.2	0.1	0.22	0.13	-1.99	8.1
		0.00	0.00	-0.1	0.0	-0.2	23.92	-0.97	0.24	3.0
003	B	0.00	0.00	0.0	-0.2	0.1	0.23	0.13	-1.85	7.6
		0.00	0.00	-0.1	0.0	-0.2	23.81	-2.70	0.24	3.0
004	B	0.00	0.00	0.0	-0.2	0.1	0.24	0.13	-1.58	6.5
		0.00	0.00	-0.1	0.0	-0.3	23.57	-4.42	0.24	3.0
005	B	0.00	0.00	0.0	-0.2	0.1	0.25	0.13	-1.18	4.9
		0.00	0.00	-0.1	0.0	-0.3	23.21	-6.11	0.24	2.9
005	B	0.00	0.00	0.0	-0.2	0.1	0.25	0.13	-1.18	4.9
		0.00	0.00	-0.1	0.0	-0.3	23.21	-6.11	0.24	2.9
006	B	0.00	0.00	0.0	-0.2	0.1	0.26	0.13	-0.65	2.9
		0.00	0.00	-0.1	0.0	-0.3	22.73	-7.78	0.24	2.9
007	B	0.00	0.00	-0.1	-0.3	0.1	0.27	0.13	0.00	1.2
		0.00	0.00	-0.1	0.0	-0.3	22.12	-9.41	0.24	2.8
008	B	0.00	0.00	-0.1	-0.3	0.1	0.28	0.13	0.78	3.4
		0.00	0.00	0.0	0.0	-0.3	21.41	-11.00	0.24	2.7
009	B	0.00	0.00	-0.1	-0.3	0.1	0.29	0.12	1.68	6.9
		0.00	0.00	0.0	0.1	-0.3	20.57	-12.53	0.24	2.6
010	B	0.00	0.00	-0.1	-0.3	0.0	0.30	0.12	2.69	10.9
		0.00	0.00	0.0	0.1	-0.2	19.63	-14.00	0.24	2.5
Line 2 Section 11									B0060 TT02	
000	G	0.00	0.00	-0.1	0.0	0.3	0.30	2.69	-0.12	3.5
		0.00	0.00	0.0	-0.2	-0.1	19.63	0.24	14.00	2.5
001	G	0.00	0.00	-0.1	0.0	0.3	0.30	3.32	-0.13	4.3
		0.00	0.00	0.0	-0.2	-0.1	19.70	0.24	13.93	2.5
002	G	0.00	0.00	-0.1	0.0	0.3	0.30	3.96	-0.14	5.1
		0.00	0.00	0.0	-0.2	-0.1	19.76	0.24	13.87	2.5
004	T	0.00	0.00	-0.1	0.0	0.3	0.30	3.96	-0.14	0.0
		0.00	0.00	0.0	0.9	-0.1	19.76	0.24	13.87	
005	T	0.00	0.00	-0.1	0.0	0.0	0.30	8.89	-0.22	0.0
		0.00	0.00	0.0	0.9	-0.1	19.76	0.24	13.87	
006	T	0.00	0.00	0.0	0.1	0.0	8.89	-0.30	-0.22	0.0
		0.00	0.00	0.9	0.0	-0.1	0.24	-19.76	13.87	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
007	T	0.00	0.00	0.0	0.1	0.1	8.89	-0.05	-0.37	0.0	
		0.00	0.00	0.9	0.1	0.0	0.24	-23.78	-4.17		
Line	3	Section 1							C0010	C0020	
000	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	0.0	
		0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	
001	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	1.5	
		0.00	0.00	0.0	0.0	0.0	12.11	0.00	0.00	1.5	
002	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	3.1	
		0.00	0.00	0.0	0.0	0.0	24.22	0.00	0.00	3.1	
003	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	4.6	
		0.00	0.00	0.0	0.0	0.0	36.33	0.00	0.00	4.6	
004	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	6.1	
		0.00	0.00	0.0	0.0	0.0	48.45	0.00	0.00	6.1	
005	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	7.6	
		0.00	0.00	0.0	0.0	0.0	60.56	0.00	0.00	7.6	
006	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	9.2	
		0.00	0.00	0.0	0.0	0.0	72.67	0.00	0.00	9.2	
007	G	-24.07	0.00	-7.2	0.0	0.0	0.00	0.00	0.00	10.7	
		0.00	0.00	0.0	0.0	0.0	84.78	0.00	0.00	10.7	
008	G	-24.07	0.00	-7.1	0.0	0.0	0.00	0.00	0.00	12.2	
		0.00	0.00	0.0	0.0	0.0	96.89	0.00	0.00	12.2	
009	G	-24.07	0.00	-7.1	0.0	0.0	0.00	0.00	0.00	13.8	
		0.00	0.00	0.0	0.0	0.0	109.00	0.00	0.00	13.8	
010	G	-24.07	0.00	-7.1	0.0	0.0	0.00	0.00	0.00	15.3	
		0.00	0.00	0.0	0.0	0.0	121.11	0.00	0.00	15.3	
011	G	-24.07	0.00	-7.0	0.0	0.0	0.00	0.00	0.00	16.8	
		0.00	0.00	0.0	0.0	0.0	133.23	0.00	0.00	16.8	
012	G	-24.07	0.00	-7.0	0.0	0.0	0.00	0.00	0.00	18.4	
		0.00	0.00	0.0	0.0	0.0	145.34	0.00	0.00	18.4	
013	G	-24.07	0.00	-6.9	0.0	0.0	0.00	0.00	0.00	19.9	
		0.00	0.00	0.0	0.0	0.0	157.45	0.00	0.00	19.9	
014	G	-24.07	0.00	-6.9	0.0	0.0	0.00	0.00	0.00	21.4	
		0.00	0.00	0.0	0.0	0.0	169.56	0.00	0.00	21.4	
015	G	-24.07	0.00	-6.8	0.0	0.0	0.00	0.00	0.00	22.9	
		0.00	0.00	0.0	0.0	0.0	181.67	0.00	0.00	22.9	
016	G	-24.07	0.00	-6.8	0.0	0.0	0.00	0.00	0.00	24.5	
		0.00	0.00	0.0	0.0	0.0	193.78	0.00	0.00	24.5	
Line	3	Section 2							C0020	C0030	
000	G	-24.07	0.00	-6.8	0.0	0.0	0.00	0.00	0.00	24.5	
		0.00	0.00	0.0	0.0	0.0	193.78	0.00	0.00	24.5	
001	G	-23.49	0.00	-6.7	0.0	0.0	0.00	0.00	0.00	26.0	
		0.00	0.00	0.0	0.0	0.0	205.72	0.00	0.00	26.0	
002	G	-22.90	0.00	-6.7	0.0	0.0	0.00	0.00	0.00	27.4	
		0.00	0.00	0.0	0.0	0.0	217.36	0.00	0.00	27.4	
003	G	-22.32	0.00	-6.6	0.0	0.0	0.00	0.00	0.00	28.9	
		0.00	0.00	0.0	0.0	0.0	228.71	0.00	0.00	28.9	
004	G	-21.73	0.00	-6.5	0.0	0.0	0.00	0.00	0.00	30.3	
		0.00	0.00	0.0	0.0	0.0	239.76	0.00	0.00	30.3	
005	G	-21.15	0.00	-6.5	0.0	0.0	0.00	0.00	0.00	31.6	
		0.00	0.00	0.0	0.0	0.0	250.52	0.00	0.00	31.6	
006	G	-20.56	0.00	-6.4	0.0	0.0	0.00	0.00	0.00	33.0	
		0.00	0.00	0.0	0.0	0.0	260.99	0.00	0.00	33.0	
007	G	-19.98	0.00	-6.3	0.0	0.0	0.00	0.00	0.00	34.2	
		0.00	0.00	0.0	0.0	0.0	271.16	0.00	0.00	34.2	
008	G	-19.39	0.00	-6.2	0.0	0.0	-0.01	0.00	0.00	35.5	
		0.00	0.00	0.0	0.0	0.0	281.04	0.00	0.00	35.5	
009	G	-18.81	0.00	-6.1	0.0	0.0	-0.01	0.00	0.00	36.7	
		0.00	0.00	0.0	0.0	0.0	290.63	0.00	0.00	36.7	
010	G	-18.22	0.00	-6.0	0.0	0.0	-0.01	0.00	0.00	37.9	
		0.00	0.00	0.0	0.0	0.0	299.92	0.00	0.00	37.9	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
011	G	-17.64	0.00	-6.0	0.0	0.0	-0.01	0.00	0.00	39.0
		0.00	0.00	0.0	0.0	0.0	308.92	0.00	0.00	39.0
012	G	-17.05	0.00	-5.9	0.0	0.0	-0.01	0.00	0.00	40.1
		0.00	0.00	0.0	0.0	0.0	317.62	0.00	0.00	40.1
013	G	-16.47	0.00	-5.8	0.0	0.0	-0.01	0.00	0.00	41.2
		0.00	0.00	0.0	0.0	0.0	326.04	0.00	0.00	41.2
014	G	-15.88	0.00	-5.7	0.0	0.0	-0.01	0.00	0.00	42.2
		0.00	0.00	0.0	0.0	0.0	334.15	0.00	0.00	42.2
015	G	-15.30	0.00	-5.6	0.0	0.0	-0.01	0.00	0.00	43.2
		0.00	0.00	0.0	0.0	0.0	341.98	0.00	0.00	43.2
016	G	-14.71	0.00	-5.5	0.0	0.0	-0.01	0.00	0.00	44.1
		0.00	0.00	0.0	0.0	0.0	349.51	0.00	0.00	44.1
017	G	-14.13	0.00	-5.4	0.0	0.0	-0.01	0.00	0.00	45.1
		0.00	0.00	0.0	0.0	0.0	356.75	0.00	0.00	45.1
018	G	-13.54	0.00	-5.3	0.0	0.0	-0.01	0.00	0.00	45.9
		0.00	0.00	0.0	0.0	0.0	363.69	0.00	0.00	45.9
019	G	-12.96	0.00	-5.1	0.0	0.0	-0.01	0.00	0.00	46.8
		0.00	0.00	0.0	0.0	0.0	370.34	0.00	0.00	46.8
020	G	-12.37	0.00	-5.0	0.0	0.0	-0.01	0.00	0.00	47.6
		0.00	0.00	0.0	0.0	0.0	376.70	0.00	0.00	47.6
021	G	-11.79	0.00	-4.9	0.0	0.0	-0.01	0.00	0.00	48.3
		0.00	0.00	0.0	0.0	0.0	382.76	0.00	0.00	48.3
022	G	-11.20	0.00	-4.8	0.0	0.0	-0.01	0.00	0.00	49.1
		0.00	0.00	0.0	0.0	0.0	388.53	0.00	0.00	49.1
023	G	-10.62	0.00	-4.7	0.0	0.0	-0.01	0.00	0.00	49.8
		0.00	0.00	0.0	0.0	0.0	394.01	0.00	0.00	49.8
024	G	-10.03	0.00	-4.6	0.0	0.0	-0.01	0.00	0.00	50.4
		0.00	0.00	0.0	0.0	0.0	399.19	0.00	0.00	50.4
025	G	-9.45	0.00	-4.5	0.0	0.0	-0.01	0.00	0.00	51.0
		0.00	0.00	0.0	0.0	0.0	404.08	0.00	0.00	51.0
026	G	-8.86	0.00	-4.3	0.0	0.0	-0.01	0.00	0.00	51.6
		0.00	0.00	0.0	0.0	0.0	408.67	0.00	0.00	51.6
027	G	-8.28	0.00	-4.2	0.0	0.0	-0.01	0.00	0.00	52.2
		0.00	0.00	0.0	0.0	0.0	412.98	0.00	0.00	52.2
028	G	-7.69	0.00	-4.1	0.0	0.0	-0.01	0.00	0.00	52.7
		0.00	0.00	0.0	0.0	0.0	416.98	0.00	0.00	52.7
029	G	-7.11	0.00	-4.0	0.0	0.0	-0.01	0.00	0.00	53.1
		0.00	0.00	0.0	0.0	0.0	420.70	0.00	0.00	53.1
030	G	-6.52	0.00	-3.8	0.0	0.0	-0.01	0.00	0.00	53.6
		0.00	0.00	0.0	0.0	0.0	424.12	0.00	0.00	53.6
031	G	-5.94	0.00	-3.7	0.0	0.0	-0.01	-0.01	0.00	54.0
		0.00	0.00	0.0	0.0	0.0	427.25	0.00	0.00	54.0
032	G	-5.35	0.00	-3.6	0.0	0.0	-0.01	0.00	0.00	54.3
		0.00	0.00	0.0	0.0	0.0	430.08	0.00	0.00	54.3
033	G	-4.77	0.00	-3.5	0.0	0.0	-0.01	0.00	0.00	54.6
		0.00	0.00	0.0	0.0	0.0	432.62	0.00	0.00	54.6
034	G	-4.19	0.00	-3.3	0.0	0.0	-0.01	0.00	0.00	54.9
		0.00	0.00	0.0	0.0	0.0	434.87	0.00	0.01	54.9
035	G	-3.60	0.00	-3.2	0.0	0.0	-0.01	0.00	0.00	55.2
		0.00	0.00	0.0	0.0	0.0	436.82	0.00	0.01	55.2
036	G	-3.01	0.00	-3.1	0.0	0.0	-0.01	0.01	0.00	55.4
		0.00	0.00	0.0	0.0	0.0	438.48	0.00	0.01	55.4
037	G	-2.43	0.00	-2.9	0.0	0.0	-0.01	0.01	0.00	55.6
		0.00	0.00	0.0	0.0	0.0	439.85	0.00	0.01	55.6
Line 3	Section 3								C0030 C0032	
000	G	-2.43	0.00	-2.9	0.0	0.0	-0.01	0.01	0.00	55.6
		0.00	0.00	0.0	0.0	0.0	439.85	0.00	0.01	55.6
001	G	-3.51	0.00	-2.8	0.0	0.0	-0.01	0.01	0.00	55.8
		0.00	0.00	0.0	0.0	0.0	441.34	0.00	0.01	55.8
002	G	-4.59	0.00	-2.7	0.0	0.0	-0.01	0.02	0.00	56.0
		0.00	0.00	0.0	0.0	0.0	443.38	0.00	0.01	56.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
003	G	-5.68	0.00	-2.5	0.0	0.0	-0.01	0.02	0.00	56.3
		0.00	0.01	0.0	0.0	0.0	445.96	0.00	0.00	56.3
004	G	-6.76	0.00	-2.4	0.0	0.0	-0.01	0.02	0.00	56.7
		0.00	0.01	0.0	0.0	0.0	449.08	0.00	0.00	56.7
005	G	-7.84	0.00	-2.3	0.0	0.0	-0.01	0.02	0.00	57.2
		0.00	0.01	0.0	0.0	0.0	452.75	0.00	-0.01	57.2
006	G	-8.93	0.00	-2.1	0.0	0.0	-0.01	0.02	0.00	57.7
		0.00	0.01	0.0	0.0	0.0	456.97	0.00	-0.01	57.7
007	G	-10.01	0.00	-2.0	0.0	0.0	-0.01	0.01	0.00	58.3
		0.00	0.02	0.0	0.0	0.0	461.73	0.00	-0.02	58.3
008	G	-11.09	0.00	-1.9	0.0	0.0	-0.01	0.00	0.00	59.0
		0.00	0.01	0.0	0.0	0.0	467.03	0.00	-0.03	59.0
009	G	-12.17	0.00	-1.7	0.0	0.0	-0.01	-0.02	0.00	59.7
		0.00	0.01	0.0	0.0	0.0	472.87	0.00	-0.03	59.7
010	G	-13.25	0.00	-1.6	0.0	0.0	-0.01	-0.04	0.00	60.6
		0.00	0.00	0.0	0.0	0.0	479.26	0.00	-0.04	60.5
011	G	-14.34	0.00	-1.4	0.0	0.0	-0.01	-0.05	0.00	61.5
		0.00	0.01	0.0	0.0	0.0	486.19	0.00	-0.03	61.4
012	G	-15.43	0.00	-1.3	0.0	0.0	-0.01	-0.07	0.00	62.4
		0.00	0.03	0.0	0.0	0.0	493.67	0.00	-0.02	62.3
013	G	-16.52	0.00	-1.1	0.0	0.0	-0.01	-0.08	0.00	63.5
		0.00	0.05	0.0	0.0	0.0	501.70	0.00	0.00	63.4
014	G	-17.61	0.00	-1.0	0.0	0.0	0.00	-0.07	0.00	64.5
		0.00	0.07	0.0	0.0	0.0	510.27	0.00	0.03	64.4
015	G	-16.79	0.00	-0.8	0.0	0.0	0.00	-0.05	0.00	65.6
		-0.01	0.10	0.0	0.0	0.0	518.91	0.00	0.07	65.5
016	G	-9.76	0.00	-0.7	0.0	0.0	0.00	0.00	0.00	66.4
		-0.01	0.11	0.0	0.0	0.0	525.59	0.01	0.12	66.4
017	G	-2.19	0.00	-0.5	0.0	0.0	0.01	0.08	-0.01	66.9
		-0.01	0.12	0.0	0.0	0.0	528.59	0.01	0.18	66.8
018	G	5.73	0.00	-0.4	0.0	0.0	0.02	0.18	-0.01	66.9
		-0.02	0.11	0.0	0.0	0.0	527.70	0.01	0.24	66.6
019	G	5.00	0.00	-0.2	0.0	0.0	0.02	0.32	-0.02	66.7
		-0.02	0.08	0.0	0.0	0.0	525.00	0.01	0.29	66.3
020	G	1.49	0.00	-0.1	0.0	0.0	0.04	0.47	-0.02	66.7
		-0.03	0.03	0.0	0.0	0.0	523.37	0.01	0.32	66.1
Line 3	Section 4								C0032 NN0007	
000	G	0.05	0.00	-0.1	0.0	0.0	0.04	0.47	-0.02	66.7
		0.00	0.06	0.0	0.0	0.0	523.37	0.01	0.32	66.1
001	G	0.02	0.00	0.0	0.0	0.0	0.04	0.51	-0.02	66.7
		0.00	0.03	0.0	0.0	0.0	523.36	0.01	0.32	66.1
Line 3	Section 5								NN0007 GNA-4	
000	G	0.00	0.00	0.0	0.0	0.0	0.04	0.51	-0.02	0.7
		0.00	0.00	0.0	0.0	0.0	523.36	0.01	0.32	66.1
001	G	0.00	0.00	0.0	0.0	0.0	0.04	0.52	-0.03	0.7
		0.00	0.00	0.0	0.0	0.0	523.36	0.01	0.22	66.1
002	G	0.00	0.00	0.0	0.0	0.0	0.04	0.53	-0.03	0.7
		0.00	0.00	0.0	0.0	0.0	523.36	0.01	0.12	66.1
Line 3	Section 6								GNA-4 C0035	
000	G	0.00	0.00	0.0	0.0	0.0	0.04	0.53	-0.03	0.7
		0.00	0.00	0.0	0.0	0.0	30.62	-0.02	-0.20	3.9
001	G	0.00	0.00	0.0	0.0	0.0	0.04	0.52	-0.02	0.7
		0.00	0.00	0.0	0.0	0.0	30.62	-0.02	-0.30	3.9
002	G	0.00	0.00	0.0	0.0	0.0	0.04	0.50	-0.02	0.6
		0.00	0.00	0.0	0.0	0.0	30.62	-0.02	-0.39	3.9
Line 3	Section 7								C0035 C0040	
000	G	0.00	0.00	0.0	0.0	0.0	0.04	0.50	-0.02	4.5
		0.00	0.03	0.0	0.0	0.0	30.62	-0.02	-0.39	3.9
001	G	0.00	0.00	0.0	0.0	0.0	0.04	0.46	-0.02	4.5
		0.00	0.07	0.0	0.0	0.0	30.62	-0.02	-0.40	3.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 3 Section 8									C0040	C0045
000	G	-0.09	0.00	0.0	0.0	0.0	0.04	0.46	-0.02	4.5
		-0.03	0.01	0.0	0.0	0.0	30.62	-0.02	-0.40	3.9
001	G	-0.31	0.00	0.0	0.0	0.0	0.06	0.26	-0.01	4.2
		-0.04	0.02	0.0	0.0	0.0	30.72	-0.02	-0.41	3.9
002	G	11.35	0.00	0.0	0.0	0.0	0.08	0.05	0.00	3.6
		-0.05	0.05	0.0	0.0	0.0	27.96	-0.02	-0.42	3.5
Line 3 Section 9									C0045	C0050
000	G	0.00	0.00	0.0	0.0	0.0	0.08	0.05	0.00	0.1
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-0.42	3.5
001	G	0.00	0.00	0.0	0.0	0.0	0.08	0.03	0.00	0.1
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-0.52	3.5
002	G	0.00	0.00	0.0	0.0	0.0	0.08	0.00	0.00	0.1
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-0.62	3.5
Line 3 Section 10									C0050	C0060
000	G	0.00	0.00	0.0	0.0	0.0	0.08	0.00	0.00	0.1
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-0.62	3.5
001	G	0.00	0.00	0.0	0.0	0.0	0.08	-0.92	0.02	1.2
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-2.00	3.5
002	G	0.00	0.00	0.0	0.0	0.0	0.08	-2.80	0.04	3.6
		0.00	0.00	0.0	0.0	0.0	27.96	-0.02	-3.39	3.5
000	B	0.00	0.00	0.0	0.0	0.0	0.08	-0.04	-2.80	11.3
		0.00	0.00	0.0	0.0	0.0	27.96	3.39	-0.02	3.5
001	B	0.00	0.00	0.1	0.0	0.0	0.08	-0.04	-2.98	12.0
		0.00	0.00	0.0	0.0	-0.1	28.15	1.33	-0.02	3.6
002	B	0.00	0.00	0.1	0.0	0.0	0.07	-0.05	-3.00	12.1
		0.00	0.00	0.0	0.0	-0.2	28.19	-0.73	-0.02	3.6
003	B	0.00	0.00	0.1	0.0	0.0	0.07	-0.06	-2.87	11.6
		0.00	0.00	0.0	0.0	-0.2	28.08	-2.80	-0.02	3.5
004	B	0.00	0.00	0.1	0.0	0.0	0.06	-0.07	-2.58	10.4
		0.00	0.00	0.0	0.0	-0.3	27.82	-4.85	-0.02	3.5
005	B	0.00	0.00	0.1	-0.1	0.0	0.06	-0.07	-2.13	8.6
		0.00	0.00	0.0	0.0	-0.4	27.42	-6.88	-0.02	3.5
005	B	0.00	0.00	0.1	-0.1	0.0	0.06	-0.07	-2.13	8.6
		0.00	0.00	0.0	0.0	-0.4	27.42	-6.88	-0.02	3.5
006	B	0.00	0.00	0.0	-0.1	0.0	0.05	-0.08	-1.53	6.2
		0.00	0.00	0.0	0.0	-0.4	26.86	-8.87	-0.02	3.4
007	B	0.00	0.00	0.0	-0.1	0.0	0.05	-0.09	-0.78	3.2
		0.00	0.00	0.0	0.0	-0.4	26.16	-10.83	-0.02	3.3
008	B	0.00	0.00	0.0	-0.2	0.0	0.04	-0.09	0.11	0.6
		0.00	0.00	0.0	0.0	-0.4	25.32	-12.72	-0.02	3.2
009	B	0.00	0.00	0.0	-0.2	0.0	0.03	-0.10	1.15	4.7
		0.00	0.00	0.0	0.0	-0.4	24.34	-14.56	-0.02	3.1
010	B	0.00	0.00	0.0	-0.2	0.0	0.02	-0.10	2.33	9.4
		0.00	0.00	0.0	0.0	-0.4	23.23	-16.31	-0.02	2.9
Line 3 Section 11									C0060	TT03
000	G	0.00	0.00	0.0	0.0	0.2	0.02	2.33	0.10	3.0
		0.00	0.00	0.0	-0.4	0.0	23.23	-0.02	16.31	2.9
001	G	0.00	0.00	0.0	0.0	0.2	0.02	3.07	0.10	3.9
		0.00	0.00	0.0	-0.4	0.0	23.29	-0.02	16.25	2.9
002	G	0.00	0.00	0.0	0.0	0.3	0.02	3.81	0.10	4.9
		0.00	0.00	0.0	-0.4	0.0	23.36	-0.02	16.19	2.9
004	T	0.00	0.00	0.0	0.0	0.3	0.02	3.81	0.15	0.0
		0.00	0.00	0.0	0.7	0.0	23.36	-0.22	16.18	
005	T	0.00	0.00	0.0	0.0	0.0	0.02	9.56	0.23	0.0
		0.00	0.00	0.0	0.7	0.0	23.36	-0.22	16.18	
006	T	0.00	0.00	0.0	0.0	0.0	9.56	-0.14	0.23	0.0
		0.00	0.00	0.7	0.0	0.0	-0.51	-23.35	16.18	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
007	T	0.00	0.00	0.0	0.0	0.0	9.56	-0.26	0.06	0.0
		0.00	0.00	0.7	0.0	0.0	-0.51	-27.96	-5.07	
Line 4 Section 1									D0010	D0012
000	G	-30.37	2.32	-1.7	-0.5	0.0	0.00	0.00	0.00	0.0
		0.00	0.01	0.0	0.0	-0.1	0.00	0.00	0.00	0.0
001	G	-30.49	2.63	-1.7	-0.6	0.0	0.00	0.00	0.30	1.0
		0.00	0.01	0.0	0.0	-0.1	15.40	-1.25	0.00	0.9
002	G	-30.62	2.93	-1.7	-0.7	0.0	0.00	0.00	1.27	2.2
		0.00	0.01	0.0	0.0	-0.1	30.86	-2.66	-0.01	1.7
003	G	-30.74	3.23	-1.6	-0.8	0.0	-0.01	-0.01	2.99	3.6
		0.00	0.01	0.0	0.0	-0.1	46.38	-4.22	-0.01	2.6
004	G	-30.85	3.51	-1.6	-0.8	0.0	-0.01	-0.01	5.53	5.3
		0.00	0.01	0.0	0.0	-0.1	61.97	-5.92	-0.01	3.5
005	G	-30.96	3.77	-1.6	-0.9	0.0	-0.01	-0.02	8.98	7.3
		0.00	0.01	0.0	0.0	-0.1	77.60	-7.76	-0.02	4.4
006	G	-31.04	3.98	-1.6	-0.9	0.0	-0.01	-0.03	13.39	9.6
		0.01	0.01	0.0	0.0	-0.1	93.29	-9.72	-0.02	5.3
007	G	-31.11	4.13	-1.6	-1.0	0.0	-0.02	-0.04	18.82	12.3
		0.01	0.01	0.0	0.0	-0.1	109.01	-11.77	-0.02	6.2
008	G	-31.13	4.19	-1.6	-1.0	0.0	-0.02	-0.05	25.31	15.3
		0.01	0.01	0.0	0.0	0.0	124.76	-13.88	-0.03	7.1
009	G	-31.11	4.13	-1.6	-1.0	0.0	-0.02	-0.07	32.87	18.7
		0.01	0.00	0.0	0.0	0.1	140.51	-15.98	-0.03	8.0
010	G	-31.03	3.92	-1.5	-0.9	0.0	-0.03	-0.08	41.48	22.4
		0.01	0.00	0.0	0.0	0.1	156.23	-18.02	-0.03	8.8
011	G	-30.87	3.51	-1.5	-0.8	0.0	-0.03	-0.10	51.10	26.4
		0.01	0.00	0.0	0.0	0.2	171.89	-19.90	-0.03	9.7
012	G	-30.62	2.86	-1.5	-0.7	0.0	-0.04	-0.11	61.62	30.7
		0.01	0.00	0.0	0.0	0.4	187.45	-21.51	-0.03	10.6
013	G	-30.26	1.91	-1.5	-0.4	0.0	-0.04	-0.13	72.86	35.2
		0.02	0.00	0.0	0.0	0.5	202.85	-22.71	-0.03	11.5
014	G	-29.77	0.62	-1.4	-0.1	0.0	-0.05	-0.15	84.60	39.9
		0.02	0.01	0.0	0.0	0.7	218.04	-23.35	-0.03	12.3
015	G	-21.43	-1.06	-1.4	0.2	0.0	-0.07	-0.16	96.50	44.5
		0.03	0.01	0.0	0.0	0.9	230.99	-23.25	-0.02	13.1
016	G	-0.01	-3.20	-1.4	0.7	0.0	-0.08	-0.17	108.13	48.6
		0.03	0.01	0.0	0.0	1.1	236.42	-22.17	-0.02	13.4
017	G	21.88	-5.83	-1.4	1.4	0.0	-0.10	-0.18	118.93	51.8
		0.03	0.02	0.0	0.0	1.3	230.88	-19.88	-0.01	13.1
018	G	32.94	-9.00	-1.3	2.1	0.0	-0.11	-0.18	128.25	54.0
		0.02	0.03	0.0	0.0	1.6	217.02	-16.13	0.00	12.3
019	G	34.42	-12.71	-1.3	3.0	0.0	-0.12	-0.18	135.26	55.4
		0.02	0.03	0.0	0.0	1.9	199.97	-10.64	0.02	11.3
020	G	36.13	-16.98	-1.3	4.0	0.0	-0.13	-0.16	139.02	55.6
		0.02	0.04	0.0	0.0	2.2	182.12	-3.13	0.04	10.3
Line 4 Section 2									D0012	D0015
000	G	31.49	-5.42	-1.3	4.0	0.0	-0.13	-0.16	139.02	55.6
		0.02	0.04	0.0	0.0	2.2	182.12	-3.13	0.04	10.3
001	G	31.76	-6.08	-1.3	5.2	0.0	-0.14	-0.14	139.90	55.0
		0.02	0.04	0.0	0.0	2.5	166.31	-0.25	0.06	9.4
002	G	32.08	-6.82	-1.2	6.5	0.0	-0.15	-0.11	139.27	53.9
		0.01	0.05	0.0	0.0	2.8	150.35	2.97	0.08	8.5
003	G	32.45	-7.65	-1.2	8.0	0.0	-0.15	-0.06	136.93	52.2
		0.01	0.06	0.0	0.0	3.1	134.22	6.59	0.11	7.6
004	G	32.83	-8.58	-1.2	9.6	0.0	-0.15	0.00	132.68	49.9
		0.00	0.07	0.0	0.0	3.4	117.90	10.65	0.14	6.7

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 3									D0015 D0017	
000	G	31.74	-5.85	-1.2	9.6	0.0	-0.15	0.00	132.68	49.9
		0.00	0.06	0.0	0.0	3.4	117.90	10.65	0.14	6.7
001	G	31.95	-6.35	-1.2	11.4	0.0	-0.16	0.08	126.62	47.0
		0.00	0.07	0.0	0.0	3.7	101.97	13.70	0.17	5.8
002	G	32.18	-6.88	-1.2	13.3	0.0	-0.15	0.17	118.98	43.6
		0.00	0.08	0.0	0.0	3.9	85.94	17.01	0.21	4.9
003	G	32.41	-7.45	-1.2	15.3	0.0	-0.15	0.29	109.61	39.6
		0.00	0.09	0.0	0.0	4.2	69.79	20.59	0.25	4.0
004	G	32.66	-8.06	-1.2	17.5	0.0	-0.15	0.42	98.39	35.1
		0.00	0.09	0.0	0.0	4.4	53.52	24.47	0.30	3.0
005	G	32.92	-8.70	-1.2	19.7	0.0	-0.15	0.58	85.14	29.8
		-0.01	0.10	0.0	0.0	4.6	37.13	28.66	0.34	2.1
006	G	33.20	-9.38	-1.2	22.0	0.0	-0.15	0.77	69.72	23.9
		-0.01	0.10	0.0	0.0	4.8	20.60	33.18	0.39	1.2
Line 4 Section 4									D0017 D0020	
000	G	32.36	-7.28	-1.2	22.0	0.0	-0.15	0.77	69.72	23.9
		-0.01	0.10	0.0	0.0	4.8	20.60	33.18	0.39	1.2
001	G	32.54	-7.73	-1.2	24.4	0.0	-0.14	0.97	52.50	17.4
		-0.01	0.09	0.0	0.0	4.9	4.62	36.88	0.44	0.3
002	G	32.72	-8.19	-1.2	26.8	0.0	-0.14	1.20	33.40	11.5
		-0.01	0.09	0.0	0.0	5.0	-11.45	40.80	0.48	-0.6
003	G	32.91	-8.66	-1.2	29.3	0.0	-0.14	1.45	12.32	5.6
		-0.01	0.08	0.0	0.0	5.0	-27.61	44.95	0.53	-1.6
004	G	33.10	-9.13	-1.2	31.8	0.0	-0.13	1.71	-10.86	6.1
		-0.01	0.07	0.0	0.0	5.0	-43.86	49.33	0.56	-2.5
000	B	33.10	9.13	-1.2	-31.8	0.0	-0.13	-1.71	10.86	130.1
		-0.01	0.07	0.0	0.0	-5.0	-43.86	-49.33	-0.56	-2.5
001	B	33.02	9.18	-6.1	-32.0	0.0	-0.39	-1.77	18.43	162.3
		-0.08	0.06	0.0	0.0	-4.8	-56.37	-43.11	-0.57	-3.2
002	B	-33.21	9.07	-11.0	-31.5	0.0	-0.65	-1.78	24.82	178.3
		-0.15	0.03	-0.1	-0.1	-4.4	-62.37	-35.05	-0.58	-3.5
003	B	-33.02	8.81	-15.7	-30.1	0.0	-0.90	-1.76	29.90	175.6
		-0.10	0.00	-0.1	-0.1	-4.0	-61.73	-26.96	-0.58	-3.5
004	B	-32.86	8.39	-20.2	-27.9	0.0	-1.15	-1.70	33.67	158.2
		-0.10	0.05	-0.1	-0.1	-3.4	-59.90	-19.01	-0.58	-3.4
005	B	-32.65	7.84	-24.3	-25.0	0.0	-1.39	-1.59	36.16	137.5
		-0.10	0.10	-0.2	-0.1	-2.8	-56.89	-11.35	-0.57	-3.2
005	B	-32.65	7.84	-24.3	-25.0	0.0	-1.39	-1.59	36.16	137.5
		-0.10	0.10	-0.2	-0.1	-2.8	-56.89	-11.35	-0.57	-3.2
006	B	-32.39	7.17	-27.9	-21.4	0.0	-1.60	-1.46	37.43	120.5
		-0.11	0.15	-0.2	-0.1	-2.2	-52.77	-4.13	-0.55	-3.0
007	B	-32.09	6.38	-30.8	-17.2	0.1	-1.80	-1.28	37.57	107.8
		-0.12	0.20	-0.3	-0.1	-1.6	-47.64	2.49	-0.52	-2.7
008	B	-31.75	5.49	-33.1	-12.5	0.1	-1.96	-1.07	36.68	98.0
		-0.13	0.24	-0.3	-0.1	-1.0	-41.60	8.38	-0.48	-2.4
009	B	-31.37	4.54	-34.7	-7.4	0.1	-2.08	-0.84	34.90	88.9
		-0.14	0.26	-0.4	0.0	-0.4	-34.78	13.44	-0.44	-2.0
010	B	-30.97	3.53	-35.4	-2.0	0.1	-2.17	-0.58	32.37	78.8
		-0.14	0.26	-0.4	0.0	0.2	-27.31	17.55	-0.40	-1.5
Line 4 Section 5									D0020 NN0006	
000	G	-30.97	-3.53	-35.4	2.0	-0.1	-2.17	0.58	-32.37	12.1
		-0.14	0.26	-0.4	0.0	-0.2	-27.31	-17.55	0.40	-1.5
001	G	-30.95	-3.51	-35.4	1.9	-0.1	-2.10	0.74	-24.16	8.6
		-0.15	0.22	-0.4	0.0	-0.2	-12.07	-15.82	0.28	-0.7
002	G	-30.92	-3.49	-35.4	1.8	-0.1	-2.03	0.85	-16.79	5.7
		-0.15	0.19	-0.4	0.0	-0.3	3.16	-14.10	0.18	0.2
003	G	-30.90	-3.46	-35.4	1.7	0.0	-1.95	0.92	-10.27	4.4
		-0.16	0.15	-0.4	0.0	-0.3	18.38	-12.39	0.09	1.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
004	G	-30.87	-3.43	-35.4	1.5	0.0	-1.87	0.94	-4.59	3.5
		-0.16	0.12	-0.4	0.0	-0.3	33.59	-10.69	0.02	1.9
Line 4 Section 6									NN0006	D0021
000	G	-30.93	-3.57	-35.4	1.5	0.0	-1.87	0.94	-4.59	3.5
		-0.16	0.13	-0.4	0.0	-0.3	33.59	-10.69	0.02	1.9
001	G	-30.90	-3.52	-35.4	1.3	0.0	-1.79	0.94	0.31	3.1
		-0.16	0.10	-0.4	0.0	-0.3	49.05	-8.92	-0.03	2.8
002	G	-30.87	-3.47	-35.4	1.2	0.0	-1.71	0.91	4.33	5.1
		-0.17	0.07	-0.4	0.0	-0.3	64.49	-7.17	-0.08	3.7
003	G	-30.85	-3.43	-35.4	1.0	0.0	-1.62	0.86	7.48	7.0
		-0.17	0.05	-0.4	0.0	-0.3	79.92	-5.45	-0.11	4.5
004	G	-30.63	-2.91	-35.4	0.8	0.0	-1.54	0.80	9.78	8.6
		-0.18	0.03	-0.4	0.0	-0.3	95.29	-3.86	-0.13	5.4
005	G	-30.43	-2.42	-35.3	0.7	0.0	-1.45	0.73	11.34	10.0
		-0.18	0.02	-0.5	0.0	-0.3	110.56	-2.53	-0.14	6.3
006	G	-30.25	-1.97	-35.3	0.6	0.0	-1.35	0.66	12.31	11.1
		-0.18	0.00	-0.5	0.0	-0.2	125.73	-1.43	-0.15	7.1
Line 4 Section 7									D0021	D0022
000	G	-30.39	-2.33	-35.3	0.6	0.0	-1.35	0.66	12.31	11.1
		-0.19	0.01	-0.5	0.0	-0.2	125.73	-1.43	-0.15	7.1
001	G	-30.21	-1.87	-35.3	0.5	0.0	-1.26	0.58	12.73	12.1
		-0.19	0.01	-0.5	0.0	-0.2	140.89	-0.38	-0.15	8.0
002	G	-30.05	-1.46	-35.3	0.4	0.0	-1.16	0.51	12.68	13.0
		-0.19	0.02	-0.5	0.0	-0.2	155.97	0.46	-0.14	8.8
003	G	-29.91	-1.10	-35.3	0.3	0.0	-1.07	0.44	12.27	13.7
		-0.20	0.03	-0.5	0.0	-0.2	170.97	1.10	-0.13	9.7
004	G	-29.78	-0.78	-35.2	0.2	0.0	-0.97	0.38	11.59	14.3
		-0.20	0.03	-0.5	0.0	-0.1	185.91	1.57	-0.11	10.5
005	G	-29.68	-0.51	-35.2	0.1	0.0	-0.86	0.33	10.71	14.9
		-0.21	0.04	-0.5	0.0	-0.1	200.79	1.89	-0.10	11.4
006	G	-29.59	-0.29	-35.2	0.1	0.0	-0.76	0.28	9.69	15.4
		-0.21	0.04	-0.5	0.0	-0.1	215.62	2.09	-0.08	12.2
007	G	-29.52	-0.11	-35.2	0.0	0.0	-0.65	0.25	8.61	15.8
		-0.22	0.04	-0.5	0.0	-0.1	230.41	2.19	-0.06	13.0
008	G	-29.48	0.03	-35.1	0.0	0.0	-0.54	0.23	7.50	16.3
		-0.23	0.04	-0.5	0.0	-0.1	245.18	2.21	-0.04	13.9
009	G	-29.53	0.14	-35.1	0.0	0.0	-0.42	0.21	6.40	16.8
		-0.23	0.04	-0.5	0.0	0.0	259.95	2.17	-0.02	14.7
010	G	-29.56	0.22	-35.1	-0.1	0.0	-0.30	0.21	5.33	17.3
		-0.24	0.04	-0.5	0.0	0.0	274.73	2.08	0.00	15.5
011	G	-29.58	0.28	-35.0	-0.1	0.0	-0.18	0.21	4.32	17.8
		-0.25	0.04	-0.5	0.0	0.0	289.53	1.95	0.02	16.4
012	G	-29.59	0.31	-35.0	-0.1	0.0	-0.06	0.23	3.38	18.3
		-0.25	0.03	-0.5	0.0	0.0	304.34	1.80	0.04	17.2
013	G	-29.60	0.33	-34.9	-0.1	0.0	0.07	0.25	2.51	18.9
		-0.26	0.03	-0.5	0.0	0.0	319.16	1.64	0.05	18.1
014	G	-29.60	0.34	-34.9	-0.1	0.0	0.21	0.28	1.73	19.5
		-0.27	0.02	-0.5	0.0	0.0	333.97	1.47	0.07	18.9
015	G	-29.60	0.34	-34.9	-0.1	0.0	0.34	0.32	1.04	20.1
		-0.28	0.01	-0.5	0.0	0.0	348.79	1.30	0.08	19.7
016	G	-29.59	0.34	-34.8	-0.1	0.0	0.48	0.36	0.43	20.8
		-0.29	0.01	-0.5	0.0	0.0	363.60	1.13	0.08	20.6
017	G	-29.59	0.33	-34.8	-0.1	0.0	0.63	0.40	-0.10	21.6
		-0.29	0.00	-0.5	0.0	0.0	378.41	0.97	0.08	21.4
018	G	-29.59	0.32	-34.7	-0.1	0.0	0.78	0.44	-0.54	22.5
		-0.30	0.02	-0.5	0.0	0.0	393.23	0.80	0.08	22.3
019	G	-29.60	0.32	-34.7	-0.1	0.0	0.93	0.48	-0.90	23.4
		-0.31	0.03	-0.5	0.0	0.0	408.04	0.64	0.06	23.1
020	G	-29.61	0.32	-34.6	-0.1	0.0	1.09	0.50	-1.18	24.4
		-0.32	0.05	-0.5	0.0	0.0	422.86	0.48	0.04	23.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
021	G	-29.62	0.32	-34.5	-0.1	0.0	1.26	0.52	-1.38	25.3
		-0.33	0.07	-0.5	0.0	0.0	437.68	0.32	0.02	24.8
022	G	-29.63	0.34	-34.5	-0.1	0.0	1.43	0.52	-1.50	26.1
		-0.34	0.09	-0.5	0.0	0.0	452.50	0.16	-0.02	25.6
023	G	-29.65	0.36	-34.4	-0.1	0.0	1.60	0.50	-1.54	27.0
		-0.35	0.11	-0.5	0.0	0.0	467.34	-0.02	-0.07	26.5
024	G	-29.67	0.38	-34.4	-0.1	0.0	1.78	0.45	-1.48	27.8
		-0.37	0.14	-0.5	0.0	0.0	482.18	-0.20	-0.13	27.3
025	G	-29.69	0.41	-34.3	-0.1	0.0	1.96	0.36	-1.34	28.6
		-0.38	0.16	-0.4	0.0	0.0	497.04	-0.40	-0.21	28.1
026	G	-29.72	0.45	-34.2	-0.1	0.0	2.16	0.24	-1.08	29.3
		-0.39	0.19	-0.4	0.0	0.0	511.91	-0.62	-0.30	29.0
027	G	-29.75	0.50	-34.2	-0.1	-0.1	2.35	0.06	-0.72	30.1
		-0.40	0.23	-0.4	0.0	0.0	526.79	-0.85	-0.41	29.8
028	G	-29.78	0.54	-34.1	-0.1	-0.1	2.56	-0.17	-0.23	30.8
		-0.41	0.26	-0.4	0.0	0.0	541.69	-1.11	-0.53	30.7
029	G	-29.82	0.59	-34.0	-0.1	-0.1	2.77	-0.46	0.40	31.7
		-0.43	0.29	-0.4	0.0	0.0	556.61	-1.40	-0.66	31.5
030	G	-29.85	0.64	-33.9	-0.1	-0.1	2.99	-0.83	1.17	32.8
		-0.44	0.31	-0.4	0.0	0.0	571.54	-1.70	-0.81	32.3
031	G	-29.87	0.68	-33.9	-0.2	-0.1	3.21	-1.28	2.10	34.0
		-0.46	0.34	-0.4	0.0	0.0	586.48	-2.03	-0.97	33.2
032	G	-29.89	0.71	-33.8	-0.2	-0.1	3.45	-1.81	3.20	35.3
		-0.47	0.36	-0.4	0.0	0.0	601.44	-2.38	-1.15	34.0
033	G	-29.90	0.72	-33.7	-0.2	-0.1	3.69	-2.42	4.48	36.6
		-0.49	0.37	-0.4	0.0	0.0	616.40	-2.74	-1.33	34.9
034	G	-29.90	0.72	-33.6	-0.2	-0.1	3.93	-3.14	5.94	37.9
		-0.50	0.36	-0.4	0.0	0.0	631.37	-3.10	-1.51	35.7
035	G	-29.88	0.68	-33.5	-0.2	-0.1	4.19	-3.94	7.58	39.4
		-0.52	0.35	-0.4	0.0	0.0	646.33	-3.45	-1.69	36.6
036	G	-29.84	0.61	-33.5	-0.1	-0.1	4.46	-4.83	9.39	40.9
		-0.54	0.31	-0.4	0.0	0.0	661.27	-3.77	-1.85	37.4
037	G	-29.77	0.50	-33.4	-0.1	-0.1	4.73	-5.79	11.35	42.4
		-0.55	0.26	-0.3	0.0	0.1	676.19	-4.05	-2.00	38.3
038	G	-29.67	0.34	-33.3	-0.1	0.0	5.01	-6.82	13.44	44.0
		-0.57	0.17	-0.3	0.0	0.1	691.07	-4.26	-2.10	39.1
039	G	-29.54	0.11	-33.2	0.0	0.0	5.30	-7.90	15.62	45.7
		-0.59	0.06	-0.3	-0.1	0.1	705.89	-4.37	-2.16	40.0
Line 4	Section 8								D0022 D0023	
000	G	-2.31	0.19	-33.2	0.0	0.0	5.30	-7.90	15.62	45.7
		-0.05	0.00	-0.3	-0.1	0.1	705.89	-4.37	-2.16	40.0
001	G	-2.27	0.10	-33.2	0.0	0.0	5.30	-8.12	16.06	45.8
		-0.05	0.00	-0.3	-0.1	0.1	706.11	-4.39	-2.16	40.0
Line 4	Section 9								D0023 D0025	
000	G	0.00	0.00	-33.2	0.0	0.0	5.30	-8.12	16.06	6.1
		0.00	0.00	-0.3	-0.1	0.1	706.11	-4.39	-2.16	40.0
001	G	0.00	0.00	-33.2	0.0	0.0	5.30	-8.23	16.28	6.2
		0.00	0.00	-0.3	-0.1	0.1	706.11	-4.39	-2.44	40.0
002	G	0.00	0.00	-33.1	0.0	0.0	5.30	-8.36	16.50	6.3
		0.00	0.00	-0.3	-0.1	0.1	706.11	-4.39	-2.72	40.0
Line 4	Section 10								D0025 TG01	
000	G	0.00	0.00	-33.1	0.0	0.0	5.30	-8.36	16.50	6.3
		0.00	0.00	-0.3	-0.1	0.1	728.34	22.19	14.79	41.2
001	G	0.00	0.00	-32.9	0.2	0.1	5.30	6.69	-14.07	5.4
		0.00	0.00	-0.3	-0.1	0.1	728.34	22.19	7.07	41.2
002	T	0.00	0.00	-32.6	0.3	0.2	5.30	11.11	-44.64	0.0
		0.00	0.00	-0.2	0.0	0.0	728.34	22.19	-0.65	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 11									TG01 D0030	
000	T	0.00	0.00	-32.6	0.3	0.2	-11.22	16.91	-27.34	0.0
		0.00	0.00	-0.2	0.0	0.0	719.55	-14.88	-1.80	
001	G	0.00	0.00	-32.3	0.2	0.1	-11.22	9.12	-6.85	5.2
		0.00	0.00	-0.3	0.1	-0.1	719.55	-14.88	-9.52	40.7
002	G	0.00	0.00	-32.1	0.0	0.0	-11.22	-9.30	13.64	6.5
		0.00	0.00	-0.4	0.1	-0.1	719.55	-14.88	-17.23	40.7
Line 4 Section 12									D0030 D0035	
000	G	0.00	0.00	-32.1	0.0	0.0	-11.22	-9.30	13.64	6.5
		0.00	0.00	-0.4	0.1	-0.1	739.08	3.55	2.97	41.8
001	G	0.00	0.00	-32.1	0.0	0.0	-11.22	-9.16	13.46	6.4
		0.00	0.00	-0.4	0.1	-0.1	739.08	3.55	2.69	41.8
002	G	0.00	0.00	-32.1	0.0	0.0	-11.22	-9.04	13.29	6.4
		0.00	0.00	-0.4	0.1	-0.1	739.08	3.55	2.41	41.8
Line 4 Section 13									D0035 D0037	
000	G	-2.27	0.10	-32.1	0.0	0.0	-11.22	-9.04	13.29	47.2
		-0.05	0.00	-0.4	0.1	-0.1	739.08	3.55	2.41	41.8
001	G	-2.31	0.20	-32.0	0.0	0.0	-11.21	-8.79	12.93	47.0
		-0.05	0.00	-0.4	0.1	-0.1	739.31	3.54	2.41	41.8
Line 4 Section 14									D0037 NN0009	
000	G	-29.54	0.09	-32.0	0.0	0.0	-11.21	-8.79	12.93	47.0
		-0.68	0.06	-0.4	0.1	-0.1	739.31	3.54	2.41	41.8
001	G	-29.67	0.28	-31.9	-0.1	0.0	-10.88	-7.60	11.17	47.2
		-0.67	0.19	-0.4	0.1	-0.1	754.12	3.45	2.34	42.7
002	G	-29.76	0.42	-31.8	-0.1	-0.1	-10.54	-6.45	9.48	47.4
		-0.67	0.28	-0.5	0.0	-0.1	768.99	3.27	2.22	43.5
003	G	-29.83	0.51	-31.7	-0.1	-0.1	-10.21	-5.37	7.90	47.6
		-0.66	0.35	-0.5	0.0	0.0	783.90	3.04	2.07	44.4
004	G	-29.86	0.57	-31.6	-0.1	-0.1	-9.88	-4.38	6.44	47.8
		-0.66	0.39	-0.5	0.0	0.0	798.83	2.77	1.88	45.2
005	G	-29.88	0.59	-31.5	-0.1	-0.1	-9.55	-3.49	5.13	48.2
		-0.65	0.40	-0.6	0.0	0.0	813.78	2.48	1.69	46.1
006	G	-29.89	0.60	-31.4	-0.1	-0.1	-9.23	-2.69	3.96	48.5
		-0.64	0.41	-0.6	0.0	0.0	828.73	2.18	1.48	46.9
007	G	-29.88	0.58	-31.3	-0.1	-0.1	-8.91	-2.00	2.94	49.0
		-0.64	0.40	-0.6	0.0	0.0	843.68	1.89	1.28	47.8
008	G	-29.86	0.55	-31.2	-0.1	-0.1	-8.59	-1.41	2.07	49.5
		-0.63	0.38	-0.6	0.0	0.0	858.62	1.60	1.09	48.6
009	G	-29.83	0.51	-31.1	-0.1	-0.1	-8.28	-0.91	1.34	50.0
		-0.62	0.35	-0.7	0.0	0.0	873.56	1.34	0.91	49.4
010	G	-29.80	0.47	-31.0	-0.1	-0.1	-7.97	-0.50	0.74	50.6
		-0.61	0.32	-0.7	0.0	0.0	888.48	1.09	0.74	50.3
011	G	-29.77	0.42	-30.8	-0.1	-0.1	-7.66	-0.17	0.25	51.3
		-0.61	0.28	-0.7	0.0	0.0	903.38	0.87	0.59	51.1
012	G	-29.74	0.37	-30.7	-0.1	-0.1	-7.36	0.09	-0.13	52.1
		-0.60	0.25	-0.7	0.0	0.0	918.27	0.67	0.46	52.0
013	G	-29.71	0.32	-30.6	-0.1	-0.1	-7.06	0.29	-0.43	53.0
		-0.59	0.22	-0.7	0.0	0.0	933.14	0.50	0.34	52.8
014	G	-29.68	0.27	-30.5	-0.1	0.0	-6.77	0.43	-0.64	53.9
		-0.58	0.18	-0.8	0.0	0.0	947.99	0.36	0.24	53.7
015	G	-29.65	0.23	-30.4	-0.1	0.0	-6.48	0.53	-0.78	54.8
		-0.58	0.15	-0.8	0.0	0.0	962.84	0.23	0.16	54.5
016	G	-29.62	0.18	-30.2	0.0	0.0	-6.19	0.59	-0.87	55.7
		-0.57	0.13	-0.8	0.0	0.0	977.66	0.13	0.09	55.3
017	G	-29.60	0.15	-30.1	0.0	0.0	-5.91	0.62	-0.91	56.6
		-0.56	0.10	-0.8	0.0	0.0	992.48	0.05	0.03	56.2
018	G	-29.57	0.11	-30.0	0.0	0.0	-5.63	0.62	-0.91	57.4
		-0.56	0.08	-0.8	0.0	0.0	1007.28	-0.02	-0.01	57.0
019	G	-29.56	0.08	-29.8	0.0	0.0	-5.35	0.61	-0.89	58.2
		-0.55	0.06	-0.8	0.0	0.0	1022.07	-0.07	-0.05	57.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
020	G	-29.54	0.06	-29.7	0.0	0.0	-5.08	0.58	-0.85	59.0
		-0.54	0.04	-0.9	0.0	0.0	1036.86	-0.10	-0.07	58.7
021	G	-29.53	0.04	-29.5	0.0	0.0	-4.81	0.54	-0.79	59.8
		-0.53	0.03	-0.9	0.0	0.0	1051.63	-0.13	-0.09	59.5
022	G	-29.52	0.02	-29.4	0.0	0.0	-4.55	0.49	-0.72	60.7
		-0.53	0.01	-0.9	0.0	0.0	1066.40	-0.14	-0.10	60.4
023	G	-29.51	0.01	-29.3	0.0	0.0	-4.28	0.44	-0.64	61.5
		-0.52	0.01	-0.9	0.0	0.0	1081.17	-0.15	-0.10	61.2
024	G	-29.51	0.00	-29.1	0.0	0.0	-4.03	0.38	-0.56	62.3
		-0.51	0.00	-0.9	0.0	0.0	1095.94	-0.15	-0.10	62.0
025	G	-29.52	-0.01	-29.0	0.0	0.0	-3.77	0.33	-0.49	63.1
		-0.51	0.01	-0.9	0.0	0.0	1110.70	-0.15	-0.10	62.9
026	G	-29.52	-0.02	-28.8	0.0	0.0	-3.52	0.28	-0.42	63.9
		-0.50	0.01	-0.9	0.0	0.0	1125.47	-0.14	-0.10	63.7
027	G	-29.53	-0.02	-28.7	0.0	0.0	-3.27	0.24	-0.35	64.7
		-0.49	0.01	-0.9	0.0	0.0	1140.24	-0.13	-0.09	64.5
028	G	-29.53	-0.02	-28.5	0.0	0.0	-3.03	0.19	-0.28	65.5
		-0.49	0.02	-0.9	0.0	0.0	1155.02	-0.12	-0.08	65.4
029	G	-29.53	-0.03	-28.4	0.0	0.0	-2.79	0.15	-0.23	66.3
		-0.48	0.02	-1.0	0.0	0.0	1169.79	-0.11	-0.07	66.2
030	G	-29.53	-0.03	-28.2	0.0	0.0	-2.55	0.12	-0.17	67.1
		-0.47	0.02	-1.0	0.0	0.0	1184.57	-0.10	-0.06	67.0
031	G	-29.53	-0.03	-28.1	0.0	0.0	-2.31	0.09	-0.13	67.9
		-0.46	0.02	-1.0	0.0	0.0	1199.35	-0.08	-0.06	67.9
032	G	-29.54	-0.02	-27.9	0.0	0.0	-2.08	0.06	-0.09	68.8
		-0.46	0.02	-1.0	0.0	0.0	1214.12	-0.07	-0.05	68.7
033	G	-29.54	-0.02	-27.7	0.0	0.0	-1.86	0.04	-0.06	69.6
		-0.45	0.02	-1.0	0.0	0.0	1228.90	-0.06	-0.04	69.6
034	G	-29.54	-0.02	-27.6	0.0	0.0	-1.63	0.02	-0.03	70.4
		-0.44	0.01	-1.0	0.0	0.0	1243.68	-0.05	-0.03	70.4
035	G	-29.54	-0.02	-27.4	0.0	0.0	-1.41	0.01	-0.01	71.2
		-0.44	0.01	-1.0	0.0	0.0	1258.46	-0.04	-0.03	71.2
036	G	-29.54	-0.02	-27.2	0.0	0.0	-1.20	0.00	0.00	72.1
		-0.43	0.01	-1.0	0.0	0.0	1273.24	-0.03	-0.02	72.1
037	G	-29.54	-0.01	-27.1	0.0	0.0	-0.98	-0.01	0.02	72.9
		-0.42	0.01	-1.0	0.0	0.0	1288.02	-0.02	-0.02	72.9
038	G	-29.54	-0.01	-26.9	0.0	0.0	-0.77	-0.02	0.03	73.7
		-0.42	0.01	-1.0	0.0	0.0	1302.80	-0.02	-0.01	73.7
039	G	-29.54	-0.01	-26.7	0.0	0.0	-0.57	-0.02	0.03	74.6
		-0.41	0.01	-1.0	0.0	0.0	1317.58	-0.01	-0.01	74.6
040	G	-29.54	-0.01	-26.5	0.0	0.0	-0.36	-0.03	0.04	75.4
		-0.40	0.01	-1.0	0.0	0.0	1332.36	-0.01	0.00	75.4
041	G	-29.54	-0.01	-26.4	0.0	0.0	-0.16	-0.03	0.04	76.3
		-0.39	0.00	-1.0	0.0	0.0	1347.14	0.00	0.00	76.2
042	G	-29.55	-0.01	-26.2	0.0	0.0	0.03	-0.03	0.04	77.1
		-0.39	0.00	-1.0	0.0	0.0	1361.92	0.00	0.00	77.1
043	G	-29.55	0.00	-26.0	0.0	0.0	0.22	-0.03	0.04	77.9
		-0.38	0.00	-1.0	0.0	0.0	1376.71	0.00	0.00	77.9
044	G	-29.55	0.00	-25.8	0.0	0.0	0.41	-0.03	0.04	78.8
		-0.37	0.00	-1.0	0.0	0.0	1391.49	0.00	0.00	78.8
045	G	-29.55	0.00	-25.6	0.0	0.0	0.60	-0.02	0.03	79.6
		-0.37	0.00	-1.0	0.0	0.0	1406.28	0.01	0.00	79.6
046	G	-29.55	0.00	-25.4	0.0	0.0	0.78	-0.02	0.03	80.4
		-0.36	0.00	-1.0	0.0	0.0	1421.06	0.01	0.00	80.4
047	G	-29.56	0.00	-25.3	0.0	0.0	0.95	-0.02	0.03	81.3
		-0.35	0.00	-1.0	0.0	0.0	1435.85	0.01	0.00	81.3
048	G	-29.56	0.00	-25.1	0.0	0.0	1.13	-0.02	0.02	82.1
		-0.34	0.00	-1.0	0.0	0.0	1450.64	0.01	0.00	82.1
049	G	-29.56	0.00	-24.9	0.0	0.0	1.30	-0.01	0.02	83.0
		-0.34	0.00	-1.0	0.0	0.0	1465.43	0.01	0.00	82.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
050	G	-29.57	0.00	-24.7	0.0	0.0	1.47	-0.01	0.02	83.8
		-0.33	0.00	-1.0	0.0	0.0	1480.22	0.01	0.00	83.8
051	G	-29.57	0.00	-24.5	0.0	0.0	1.63	-0.01	0.02	84.6
		-0.32	0.00	-1.0	0.0	0.0	1495.01	0.01	0.00	84.6
052	G	-29.57	0.00	-24.3	0.0	0.0	1.79	-0.01	0.01	85.5
		-0.31	0.00	-1.0	0.0	0.0	1509.81	0.01	0.00	85.5
053	G	-29.58	0.00	-24.1	0.0	0.0	1.94	-0.01	0.01	86.3
		-0.31	0.00	-1.0	0.0	0.0	1524.61	0.00	0.00	86.3
054	G	-29.58	0.00	-23.9	0.0	0.0	2.10	-0.01	0.01	87.1
		-0.30	0.00	-1.0	0.0	0.0	1539.40	0.00	0.00	87.1
055	G	-29.58	0.00	-23.7	0.0	0.0	2.24	0.00	0.01	88.0
		-0.29	0.00	-1.0	0.0	0.0	1554.21	0.00	0.00	88.0
056	G	-29.59	0.00	-23.5	0.0	0.0	2.39	0.00	0.00	88.8
		-0.29	0.00	-1.0	0.0	0.0	1569.01	0.00	0.00	88.8
057	G	-29.59	0.00	-23.3	0.0	0.0	2.53	0.00	0.00	89.6
		-0.28	0.00	-0.9	0.0	0.0	1583.81	0.00	0.00	89.6
058	G	-29.60	0.00	-23.0	0.0	0.0	2.67	0.00	0.00	90.5
		-0.27	0.00	-0.9	0.0	0.0	1598.62	0.00	0.00	90.5
059	G	-29.60	0.00	-22.8	0.0	0.0	2.80	0.00	0.00	91.3
		-0.26	0.00	-0.9	0.0	0.0	1613.43	0.00	0.00	91.3
060	G	-29.60	0.00	-22.6	0.0	0.0	2.93	0.00	0.00	92.2
		-0.26	0.00	-0.9	0.0	0.0	1628.24	0.00	0.00	92.2
061	G	-29.61	0.00	-22.4	0.0	0.0	3.05	0.00	0.00	93.0
		-0.25	0.00	-0.9	0.0	0.0	1643.05	0.00	0.00	93.0
062	G	-29.61	0.00	-22.2	0.0	0.0	3.18	0.00	0.00	93.8
		-0.24	0.00	-0.9	0.0	0.0	1657.87	0.00	0.00	93.8
063	G	-29.62	0.00	-22.0	0.0	0.0	3.29	0.00	0.00	94.7
		-0.23	0.00	-0.9	0.0	0.0	1672.69	0.00	0.00	94.7
064	G	-29.63	0.00	-21.7	0.0	0.0	3.41	0.00	0.00	95.5
		-0.22	0.00	-0.9	0.0	0.0	1687.51	0.00	0.00	95.5
065	G	-29.63	0.00	-21.5	0.0	0.0	3.52	0.00	0.00	96.4
		-0.22	0.00	-0.9	0.0	0.0	1702.33	0.00	0.00	96.3
066	G	-29.64	0.00	-21.3	0.0	0.0	3.63	0.00	0.00	97.2
		-0.21	0.00	-0.9	0.0	0.0	1717.16	0.00	0.00	97.2
067	G	-29.64	0.00	-21.1	0.0	0.0	3.73	0.00	0.00	98.0
		-0.20	0.00	-0.9	0.0	0.0	1731.99	0.00	0.00	98.0
068	G	-29.65	0.00	-20.8	0.0	0.0	3.83	0.00	0.00	98.9
		-0.19	0.00	-0.8	0.0	0.0	1746.83	0.00	0.00	98.9
069	G	-29.66	0.00	-20.6	0.0	0.0	3.92	0.00	0.00	99.7
		-0.19	0.00	-0.8	0.0	0.0	1761.66	0.00	0.00	99.7
070	G	-29.66	0.00	-20.4	0.0	0.0	4.01	0.00	0.00	100.6
		-0.18	0.00	-0.8	0.0	0.0	1776.50	0.00	0.00	100.5
071	G	-29.67	0.00	-20.1	0.0	0.0	4.10	0.00	0.00	101.4
		-0.17	0.00	-0.8	0.0	0.0	1791.35	0.00	0.00	101.4
072	G	-29.68	0.00	-19.9	0.0	0.0	4.18	0.00	0.00	102.2
		-0.16	0.00	-0.8	0.0	0.0	1806.19	0.00	0.00	102.2
073	G	-29.69	0.00	-19.6	0.0	0.0	4.26	0.01	0.00	103.1
		-0.15	0.00	-0.8	0.0	0.0	1821.04	0.00	0.00	103.1
074	G	-29.70	0.00	-19.4	0.0	0.0	4.34	0.01	0.00	103.9
		-0.14	0.00	-0.8	0.0	0.0	1835.90	0.00	0.00	103.9
075	G	-29.70	0.00	-19.2	0.0	0.0	4.41	0.01	0.00	104.8
		-0.14	0.00	-0.8	0.0	0.0	1850.76	0.00	0.00	104.8
076	G	-29.71	0.00	-18.9	0.0	0.0	4.47	0.01	0.00	105.6
		-0.13	0.00	-0.8	0.0	0.0	1865.62	0.00	0.00	105.6
077	G	-29.72	0.00	-18.7	0.0	0.0	4.53	0.01	0.00	106.4
		-0.12	0.00	-0.7	0.0	0.0	1880.49	0.00	0.00	106.4
078	G	-29.73	0.00	-18.4	0.0	0.0	4.59	0.01	0.00	107.3
		-0.11	0.00	-0.7	0.0	0.0	1895.37	0.00	0.00	107.3
079	G	-29.74	0.00	-18.2	0.0	0.0	4.64	0.01	0.00	108.1
		-0.10	0.00	-0.7	0.0	0.0	1910.25	0.00	0.00	108.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
080	G	-29.76	0.00	-17.9	0.0	0.0	4.69	0.01	0.00	109.0
		-0.09	0.00	-0.7	0.0	0.0	1925.13	0.00	0.00	109.0
081	G	-29.77	0.00	-17.6	0.0	0.0	4.74	0.01	0.00	109.8
		-0.08	0.00	-0.7	0.0	0.0	1940.02	0.00	0.00	109.8
082	G	-29.78	0.00	-17.4	0.0	0.0	4.78	0.01	0.00	110.7
		-0.07	0.00	-0.7	0.0	0.0	1954.92	0.00	0.00	110.6
083	G	-29.80	0.00	-17.1	0.0	0.0	4.81	0.01	0.00	111.5
		-0.07	0.00	-0.7	0.0	0.0	1969.83	0.00	0.00	111.5
084	G	-29.81	0.00	-16.9	0.0	0.0	4.84	0.01	0.00	112.3
		-0.06	0.00	-0.6	0.0	0.0	1984.74	0.00	0.00	112.3
085	G	-29.82	0.00	-16.6	0.0	0.0	4.87	0.01	0.00	113.2
		-0.05	0.00	-0.6	0.0	0.0	1999.66	0.00	0.00	113.2
086	G	-29.84	0.00	-16.3	0.0	0.0	4.89	0.00	0.00	114.0
		-0.04	0.00	-0.6	0.0	0.0	2014.58	0.00	-0.01	114.0
087	G	-29.86	0.00	-16.1	0.0	0.0	4.90	0.00	0.00	114.9
		-0.02	0.00	-0.6	0.0	0.0	2029.52	0.00	-0.01	114.9
088	G	-29.88	0.00	-15.8	0.0	0.0	4.91	0.00	0.00	115.7
		-0.01	0.00	-0.6	0.0	0.0	2044.46	0.00	-0.01	115.7
089	G	-29.90	0.00	-15.5	0.0	0.0	4.92	-0.01	0.00	116.6
		0.00	0.01	-0.6	0.0	0.0	2059.42	0.00	-0.01	116.6
090	G	-29.92	0.00	-15.2	0.0	0.0	4.91	-0.02	0.00	117.4
		0.01	0.01	-0.6	0.0	0.0	2074.38	0.00	-0.02	117.4
091	G	-29.94	0.00	-15.0	0.0	0.0	4.90	-0.02	0.00	118.3
		0.02	0.01	-0.6	0.0	0.0	2089.35	0.00	-0.02	118.3
092	G	-29.96	0.00	-14.7	0.0	0.0	4.89	-0.03	0.00	119.1
		0.04	0.01	-0.5	0.0	0.0	2104.34	0.00	-0.02	119.1
093	G	-29.98	0.00	-14.4	0.0	0.0	4.87	-0.04	0.00	120.0
		0.05	0.01	-0.5	0.0	0.0	2119.33	0.00	-0.02	120.0
094	G	-28.86	0.00	-14.1	0.0	0.0	4.84	-0.06	0.00	120.8
		0.06	0.01	-0.5	0.0	0.0	2134.05	0.00	-0.03	120.8
095	G	-26.38	0.00	-13.8	0.0	0.0	4.80	-0.07	0.00	121.6
		0.07	0.01	-0.5	0.0	0.0	2147.87	0.00	-0.03	121.6
096	G	-24.01	0.00	-13.6	0.0	0.0	4.77	-0.09	0.00	122.3
		0.08	0.01	-0.5	0.0	0.0	2160.48	0.00	-0.03	122.3
097	G	-21.74	0.00	-13.3	0.0	0.0	4.72	-0.11	0.00	123.0
		0.09	0.00	-0.5	0.0	0.0	2171.92	0.00	-0.04	122.9
098	G	-19.57	0.00	-13.0	0.0	0.0	4.67	-0.13	0.00	123.6
		0.10	0.00	-0.5	0.0	0.0	2182.26	0.00	-0.04	123.5
099	G	-17.51	0.00	-12.7	0.0	0.0	4.62	-0.15	0.00	124.1
		0.10	0.00	-0.4	0.0	0.0	2191.54	0.00	-0.04	124.0
100	G	-15.53	0.00	-12.4	0.0	0.0	4.57	-0.17	0.00	124.6
		0.11	0.00	-0.4	0.0	0.0	2199.80	0.00	-0.04	124.5
101	G	-13.64	0.00	-12.1	0.0	0.0	4.51	-0.18	0.00	125.0
		0.12	0.01	-0.4	0.0	0.0	2207.10	0.00	-0.04	124.9
102	G	-11.84	0.00	-11.8	0.0	0.0	4.45	-0.20	0.00	125.4
		0.12	0.01	-0.4	0.0	0.0	2213.47	0.00	-0.03	125.3
103	G	-10.11	0.00	-11.5	0.0	0.0	4.39	-0.22	0.00	125.7
		0.12	0.02	-0.4	0.0	0.0	2218.96	0.00	-0.03	125.6
104	G	-8.47	0.00	-11.2	0.0	0.0	4.33	-0.23	0.00	125.9
		0.13	0.02	-0.4	0.0	0.0	2223.61	0.00	-0.02	125.9
105	G	-6.90	0.00	-10.9	0.0	0.0	4.26	-0.24	0.00	126.2
		0.13	0.03	-0.4	0.0	0.0	2227.46	0.00	-0.01	126.1
106	G	-5.40	0.00	-10.6	0.0	0.0	4.20	-0.23	0.00	126.3
		0.14	0.04	-0.4	0.0	0.0	2230.54	0.00	0.01	126.2
107	G	-3.97	0.00	-10.3	0.0	0.0	4.13	-0.22	0.00	126.5
		0.14	0.05	-0.3	0.0	0.0	2232.88	0.00	0.03	126.4
108	G	-2.61	0.00	-10.0	0.0	0.0	4.06	-0.20	0.00	126.5
		0.14	0.06	-0.3	0.0	0.0	2234.53	0.00	0.06	126.5
109	G	-1.31	0.00	-9.7	0.0	0.0	3.99	-0.16	0.00	126.6
		0.14	0.07	-0.3	0.0	0.0	2235.51	0.00	0.09	126.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
110	G	-0.08	0.00	-9.5	0.0	0.0	3.92	-0.11	0.00	126.6
		0.14	0.08	-0.3	0.0	0.0	2235.86	0.00	0.13	126.5
111	G	1.10	0.00	-9.2	0.0	0.0	3.84	-0.04	0.00	126.5
		0.15	0.09	-0.3	0.0	0.0	2235.60	0.00	0.17	126.5
112	G	2.23	0.00	-8.9	0.0	0.0	3.77	0.06	0.00	126.5
		0.15	0.11	-0.3	0.0	0.0	2234.77	0.00	0.22	126.5
113	G	3.29	0.00	-8.6	0.0	0.0	3.70	0.19	0.00	126.5
		0.15	0.12	-0.3	0.0	0.0	2233.39	0.00	0.28	126.4
114	G	4.31	0.00	-8.3	0.0	0.0	3.62	0.34	0.00	126.4
		0.15	0.13	-0.3	0.0	0.0	2231.49	0.00	0.34	126.3
115	G	5.28	0.00	-8.0	0.0	0.0	3.55	0.53	0.00	126.3
		0.15	0.14	-0.3	0.0	0.0	2229.09	0.00	0.41	126.2
116	G	6.19	0.00	-7.7	0.0	0.0	3.47	0.75	0.00	126.3
		0.15	0.15	-0.3	0.0	0.0	2226.22	0.00	0.48	126.0
117	G	7.06	0.00	-7.4	0.0	0.0	3.39	1.02	0.00	126.1
		0.15	0.15	-0.2	0.0	0.0	2222.90	0.00	0.56	125.8
Line 4 Section 15									NN0009 NN0010	
000	G	0.53	0.00	-7.4	0.0	0.0	3.39	1.02	0.00	126.1
		0.01	0.00	-0.2	0.0	0.0	2222.90	0.00	0.56	125.8
001	G	0.54	0.00	-7.3	0.0	0.0	3.39	1.07	0.00	126.2
		0.01	0.00	-0.2	0.0	0.0	2222.85	0.00	0.56	125.8
Line 4 Section 16									NN0010 GNA-2	
000	G	0.00	0.00	-7.3	0.0	0.0	3.39	1.07	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	0.56	125.8
001	G	0.00	0.00	-7.3	0.0	0.0	3.39	1.09	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	0.28	125.8
002	G	0.00	0.00	-7.3	0.0	0.0	3.39	1.10	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	0.00	125.8
Line 4 Section 17									GNA-2 NN0011	
000	G	0.00	0.00	-7.3	0.0	0.0	3.39	1.10	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	0.00	125.8
001	G	0.00	0.00	-7.2	0.0	0.0	3.39	1.09	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	-0.28	125.8
002	G	0.00	0.00	-7.2	0.0	0.0	3.39	1.07	0.00	1.2
		0.00	0.00	-0.2	0.0	0.0	2222.85	0.00	-0.56	125.8
Line 4 Section 18									NN0011 D0039	
000	G	0.57	0.00	-7.2	0.0	0.0	3.39	1.07	0.00	126.2
		0.01	0.00	-0.2	0.0	0.0	2222.85	0.00	-0.56	125.8
001	G	0.58	0.00	-7.1	0.0	0.0	3.39	1.02	0.00	126.1
		0.01	0.00	-0.2	0.0	0.0	2222.79	0.00	-0.56	125.8
Line 4 Section 19									D0039 NN0026	
000	G	7.74	0.00	-7.1	0.0	0.0	3.39	1.02	0.00	126.1
		0.15	0.15	-0.2	0.0	0.0	2222.79	0.00	-0.56	125.8
001	G	8.56	0.00	-6.8	0.0	0.0	3.31	0.75	0.00	125.8
		0.16	0.15	-0.2	0.0	0.0	2218.71	0.00	-0.48	125.6
002	G	9.34	0.00	-6.6	0.0	0.0	3.24	0.53	0.00	125.5
		0.16	0.14	-0.2	0.0	0.0	2214.23	0.00	-0.41	125.3
003	G	10.07	0.00	-6.3	0.0	0.0	3.16	0.34	0.00	125.2
		0.16	0.13	-0.2	0.0	0.0	2209.36	0.00	-0.34	125.0
004	G	10.77	0.00	-6.0	0.0	0.0	3.08	0.19	0.00	124.8
		0.16	0.12	-0.2	0.0	0.0	2204.15	0.00	-0.28	124.8
005	G	11.42	0.00	-5.7	0.0	0.0	3.00	0.06	0.00	124.5
		0.16	0.11	-0.2	0.0	0.0	2198.59	0.00	-0.22	124.4
006	G	12.04	0.00	-5.4	0.0	0.0	2.92	-0.04	0.00	124.1
		0.16	0.09	-0.2	0.0	0.0	2192.71	0.00	-0.17	124.1
007	G	12.63	0.00	-5.1	0.0	0.0	2.84	-0.11	0.00	123.8
		0.16	0.08	-0.2	0.0	0.0	2186.53	0.00	-0.13	123.8
008	G	13.18	0.00	-4.8	0.0	0.0	2.76	-0.17	0.00	123.4
		0.16	0.07	-0.2	0.0	0.0	2180.07	0.00	-0.09	123.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
009	G	13.70	0.00	-4.5	0.0	0.0	2.68	-0.20	0.00	123.1
		0.16	0.06	-0.2	0.0	0.0	2173.34	0.00	-0.06	123.0
010	G	14.18	0.00	-4.2	0.0	0.0	2.60	-0.22	0.00	122.7
		0.16	0.05	-0.2	0.0	0.0	2166.36	0.00	-0.03	122.6
011	G	14.64	0.00	-3.9	0.0	0.0	2.52	-0.23	0.00	122.3
		0.16	0.04	-0.1	0.0	0.0	2159.14	0.00	-0.01	122.2
012	G	15.07	0.00	-3.7	0.0	0.0	2.44	-0.24	0.00	121.9
		0.16	0.03	-0.1	0.0	0.0	2151.70	0.00	0.01	121.8
013	G	15.47	0.00	-3.4	0.0	0.0	2.35	-0.23	0.00	121.4
		0.16	0.02	-0.1	0.0	0.0	2144.05	0.00	0.02	121.3
014	G	15.84	0.00	-3.1	0.0	0.0	2.27	-0.22	0.00	121.0
		0.17	0.02	-0.1	0.0	0.0	2136.21	0.00	0.03	120.9
015	G	16.18	0.00	-2.8	0.0	0.0	2.19	-0.20	0.00	120.5
		0.17	0.01	-0.1	0.0	0.0	2128.19	0.00	0.03	120.5
016	G	16.49	0.00	-2.5	0.0	0.0	2.10	-0.18	0.00	120.1
		0.17	0.01	-0.1	0.0	0.0	2120.01	0.00	0.04	120.0
017	G	16.78	0.00	-2.2	0.0	0.0	2.02	-0.16	0.00	119.6
		0.17	0.00	-0.1	0.0	0.0	2111.68	0.00	0.04	119.5
018	G	17.05	0.00	-2.0	0.0	0.0	1.93	-0.14	0.00	119.1
		0.17	0.00	-0.1	0.0	0.0	2103.20	0.00	0.04	119.0
019	G	17.28	0.00	-1.7	0.0	0.0	1.85	-0.13	0.00	118.6
		0.17	0.00	-0.1	0.0	0.0	2094.60	0.00	0.04	118.6
020	G	17.49	0.00	-1.4	0.0	0.0	1.76	-0.11	0.00	118.1
		0.17	0.00	-0.1	0.0	0.0	2085.90	0.00	0.04	118.1
021	G	17.67	0.00	-1.1	0.0	0.0	1.68	-0.09	0.00	117.6
		0.17	0.01	-0.1	0.0	0.0	2077.09	0.00	0.03	117.6
022	G	17.82	0.00	-0.8	0.0	0.0	1.59	-0.07	0.00	117.1
		0.17	0.01	-0.1	0.0	0.0	2068.20	0.00	0.03	117.1
023	G	16.84	0.00	-0.6	0.0	0.0	1.51	-0.06	0.00	116.6
		0.17	0.01	-0.1	0.0	0.0	2059.52	0.00	0.03	116.6
024	G	8.81	0.00	-0.3	0.0	0.0	1.42	-0.04	0.00	116.2
		0.17	0.01	-0.1	0.0	0.0	2053.09	0.00	0.02	116.2
025	G	0.79	0.00	0.0	0.0	0.0	1.34	-0.03	0.00	116.1
		0.17	0.01	-0.1	0.0	0.0	2050.69	0.00	0.02	116.1
026	G	-7.22	0.00	0.2	0.0	0.0	1.26	-0.02	0.00	116.2
		0.16	0.01	-0.1	0.0	0.0	2052.30	0.00	0.02	116.2
027	G	-12.86	0.00	0.5	0.0	0.0	1.18	-0.02	0.00	116.4
		0.16	0.01	-0.1	0.0	0.0	2057.32	0.00	0.01	116.4
028	G	-20.91	0.00	0.8	0.0	0.0	1.10	-0.01	0.00	116.9
		0.15	0.01	-0.1	0.0	0.0	2065.78	0.00	0.01	116.9
029	G	-29.00	0.00	1.1	0.0	0.0	1.03	0.00	0.00	117.6
		0.15	0.00	-0.1	0.0	0.0	2078.28	0.00	0.01	117.6
030	G	-29.54	0.00	1.3	0.0	0.0	0.96	0.00	0.00	118.5
		0.11	0.00	-0.1	0.0	0.0	2092.94	0.00	0.01	118.5
031	G	-29.53	0.00	1.6	0.0	0.0	0.91	0.00	0.00	119.3
		0.10	0.00	-0.1	0.0	0.0	2107.74	0.00	0.01	119.3
032	G	-29.53	0.00	1.9	0.0	0.0	0.86	0.01	0.00	120.1
		0.10	0.00	0.0	0.0	0.0	2122.53	0.00	0.00	120.1
033	G	-29.54	0.00	2.2	0.0	0.0	0.81	0.01	0.00	121.0
		0.09	0.00	0.0	0.0	0.0	2137.33	0.00	0.00	121.0
034	G	-29.54	0.00	2.5	0.0	0.0	0.77	0.01	0.00	121.8
		0.09	0.00	0.0	0.0	0.0	2152.12	0.00	0.00	121.8
035	G	-29.54	0.00	2.8	0.0	0.0	0.72	0.01	0.00	122.6
		0.08	0.00	0.0	0.0	0.0	2166.91	0.00	0.00	122.6
036	G	-29.54	0.00	3.0	0.0	0.0	0.68	0.01	0.00	123.5
		0.08	0.00	0.0	0.0	0.0	2181.71	0.00	0.00	123.5
037	G	-29.54	0.00	3.3	0.0	0.0	0.64	0.01	0.00	124.3
		0.07	0.00	0.0	0.0	0.0	2196.51	0.00	0.00	124.3
038	G	-29.54	0.00	3.6	0.0	0.0	0.61	0.01	0.00	125.2
		0.07	0.00	0.0	0.0	0.0	2211.30	0.00	0.00	125.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
039	G	-29.54	0.00	3.9	0.0	0.0	0.58	0.01	0.00	126.0
		0.07	0.00	0.0	0.0	0.0	2226.10	0.00	0.00	126.0
040	G	-29.54	0.00	4.2	0.0	0.0	0.54	0.01	0.00	126.8
		0.06	0.00	0.0	0.0	0.0	2240.90	0.00	0.00	126.8
041	G	-29.54	0.00	4.5	0.0	0.0	0.51	0.01	0.00	127.7
		0.06	0.00	0.0	0.0	0.0	2255.69	0.00	0.00	127.7
042	G	-29.54	0.00	4.8	0.0	0.0	0.48	0.01	0.00	128.5
		0.06	0.00	0.0	0.0	0.0	2270.49	0.00	0.00	128.5
043	G	-29.54	0.00	5.1	0.0	0.0	0.46	0.01	0.00	129.3
		0.05	0.00	0.0	0.0	0.0	2285.29	0.00	0.00	129.3
044	G	-29.54	0.00	5.4	0.0	0.0	0.43	0.00	0.00	130.2
		0.05	0.00	0.0	0.0	0.0	2300.09	0.00	0.00	130.2
045	G	-29.55	0.00	5.7	0.0	0.0	0.41	0.00	0.00	131.0
		0.05	0.00	0.0	0.0	0.0	2314.89	0.00	0.00	131.0
046	G	-29.55	0.00	6.0	0.0	0.0	0.39	0.00	0.00	131.9
		0.04	0.00	0.0	0.0	0.0	2329.68	0.00	0.00	131.9
047	G	-29.55	0.00	6.4	0.0	0.0	0.37	0.00	0.00	132.7
		0.04	0.00	0.0	0.0	0.0	2344.48	0.00	0.00	132.7
048	G	-29.55	0.00	6.7	0.0	0.0	0.35	0.00	0.00	133.5
		0.04	0.00	0.0	0.0	0.0	2359.28	0.00	0.00	133.5
049	G	-29.55	0.00	7.0	0.0	0.0	0.33	0.00	0.00	134.4
		0.04	0.00	0.0	0.0	0.0	2374.08	0.00	0.00	134.4
050	G	-29.55	0.00	7.3	0.0	0.0	0.31	0.00	0.00	135.2
		0.03	0.00	0.0	0.0	0.0	2388.88	0.00	0.00	135.2
051	G	-29.55	0.00	7.6	0.0	0.0	0.29	0.00	0.00	136.0
		0.03	0.00	0.0	0.0	0.0	2403.68	0.00	0.00	136.0
052	G	-29.55	0.00	7.9	0.0	0.0	0.28	0.00	0.00	136.9
		0.03	0.00	0.0	0.0	0.0	2418.48	0.00	0.00	136.9
053	G	-29.55	0.00	8.3	0.0	0.0	0.26	0.00	0.00	137.7
		0.03	0.00	0.0	0.0	0.0	2433.28	0.00	0.00	137.7
054	G	-29.55	0.00	8.6	0.0	0.0	0.25	0.00	0.00	138.6
		0.03	0.00	0.0	0.0	0.0	2448.08	0.00	0.00	138.6
055	G	-29.55	0.00	8.9	0.0	0.0	0.24	0.00	0.00	139.4
		0.02	0.00	0.0	0.0	0.0	2462.88	0.00	0.00	139.4
056	G	-29.55	0.00	9.2	0.0	0.0	0.23	0.00	0.00	140.2
		0.02	0.00	0.0	0.0	0.0	2477.68	0.00	0.00	140.2
057	G	-29.55	0.00	9.6	0.0	0.0	0.21	0.00	0.00	141.1
		0.02	0.00	0.0	0.0	0.0	2492.48	0.00	0.00	141.1
058	G	-29.55	0.00	9.9	0.0	0.0	0.20	0.00	0.00	141.9
		0.02	0.00	0.0	0.0	0.0	2507.28	0.00	0.00	141.9
059	G	-29.54	0.00	10.2	0.0	0.0	0.19	0.00	0.00	142.7
		0.02	0.00	0.0	0.0	0.0	2522.08	0.00	0.00	142.7
060	G	-29.54	0.00	10.6	0.0	0.0	0.18	0.00	0.00	143.6
		0.02	0.00	0.0	0.0	0.0	2536.88	0.00	0.00	143.6
061	G	-29.54	0.00	10.9	0.0	0.0	0.17	0.00	0.00	144.4
		0.02	0.00	0.0	0.0	0.0	2551.67	0.00	0.00	144.4
062	G	-29.54	0.00	11.2	0.0	0.0	0.17	0.00	0.00	145.3
		0.02	0.00	0.0	0.0	0.0	2566.47	0.00	0.00	145.3
063	G	-29.54	0.00	11.6	0.0	0.0	0.16	0.00	0.00	146.1
		0.02	0.00	0.0	0.0	0.0	2581.27	0.00	0.00	146.1
064	G	-29.54	0.00	11.9	0.0	0.0	0.15	0.00	0.00	146.9
		0.01	0.00	0.0	0.0	0.0	2596.07	0.00	0.00	146.9
065	G	-29.54	0.00	12.3	0.0	0.0	0.14	0.00	0.00	147.8
		0.01	0.00	0.0	0.0	0.0	2610.86	0.00	0.00	147.8
066	G	-29.54	0.00	12.6	0.0	0.0	0.14	0.00	0.00	148.6
		0.01	0.00	0.0	0.0	0.0	2625.66	0.00	0.00	148.6
067	G	-29.54	0.00	13.0	0.0	0.0	0.13	0.00	0.00	149.4
		0.01	0.00	0.0	0.0	0.0	2640.45	0.00	0.00	149.4
068	G	-29.54	0.00	13.3	0.0	0.0	0.13	0.00	0.00	150.3
		0.01	0.00	0.0	0.0	0.0	2655.25	0.00	0.00	150.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
069	G	-29.54	0.00	13.7	0.0	0.0	0.12	0.00	0.00	151.1
		0.01	0.00	0.0	0.0	0.0	2670.04	0.00	0.00	151.1
070	G	-29.53	0.00	14.0	0.0	0.0	0.12	0.00	0.00	152.0
		0.01	0.00	0.0	0.0	0.0	2684.84	0.00	0.00	152.0
071	G	-29.53	0.00	14.4	0.0	0.0	0.11	0.00	0.00	152.8
		0.01	0.00	0.0	0.0	0.0	2699.63	0.00	0.00	152.8
072	G	-29.53	0.00	14.8	0.0	0.0	0.11	0.00	0.00	153.6
		0.01	0.00	0.0	0.0	0.0	2714.42	0.00	0.00	153.6
073	G	-29.53	0.00	15.1	0.0	0.0	0.10	0.00	0.00	154.5
		0.01	0.00	0.0	0.0	0.0	2729.22	0.00	0.00	154.5
074	G	-29.53	0.00	15.5	0.0	0.0	0.10	0.00	0.00	155.3
		0.01	0.00	0.0	0.0	0.0	2744.01	0.00	0.00	155.3
075	G	-29.53	0.00	15.8	0.0	0.0	0.09	0.00	0.00	156.1
		0.01	0.00	0.0	0.0	0.0	2758.80	0.00	0.00	156.1
076	G	-29.53	0.00	16.2	0.0	0.0	0.09	0.00	0.00	157.0
		0.01	0.00	0.0	0.0	0.0	2773.59	0.00	0.00	157.0
077	G	-29.52	0.00	16.6	0.0	0.0	0.09	0.00	0.00	157.8
		0.01	0.00	0.0	0.0	0.0	2788.37	0.00	0.00	157.8
078	G	-29.52	0.00	17.0	0.0	0.0	0.08	0.00	0.00	158.7
		0.01	0.00	0.0	0.0	0.0	2803.16	0.00	0.00	158.7
079	G	-29.52	0.00	17.3	0.0	0.0	0.08	0.00	0.00	159.5
		0.01	0.00	0.0	0.0	0.0	2817.95	0.00	0.00	159.5
080	G	-29.52	0.00	17.7	0.0	0.0	0.08	0.00	0.00	160.3
		0.01	0.00	0.0	0.0	0.0	2832.73	0.00	0.00	160.3
081	G	-29.52	0.00	18.1	0.0	0.0	0.07	0.00	0.00	161.2
		0.01	0.00	0.0	0.0	0.0	2847.52	0.00	0.00	161.2
082	G	-29.51	0.00	18.5	0.0	0.0	0.07	0.00	0.00	162.0
		0.00	0.00	0.0	0.0	0.0	2862.30	0.00	0.00	162.0
083	G	-29.51	0.00	18.8	0.0	0.0	0.07	0.00	0.00	162.8
		0.00	0.00	0.0	0.0	0.0	2877.08	0.00	0.00	162.8
084	G	-29.51	0.00	19.2	0.0	0.0	0.07	0.00	0.00	163.7
		0.00	0.00	0.0	0.0	0.0	2891.87	0.00	0.00	163.7
085	G	-29.51	0.00	19.6	0.0	0.0	0.07	0.00	0.00	164.5
		0.00	0.00	0.0	0.0	0.0	2906.65	0.00	0.00	164.5
086	G	-29.50	0.00	20.0	0.0	0.0	0.06	0.00	0.00	165.3
		0.00	0.00	0.0	0.0	0.0	2921.43	0.00	0.00	165.3
087	G	-29.50	0.00	20.4	0.0	0.0	0.06	0.00	0.00	166.2
		0.00	0.00	0.0	0.0	0.0	2936.20	0.00	0.00	166.2
088	G	-29.50	0.00	20.8	0.0	0.0	0.06	0.00	0.00	167.0
		0.00	0.00	0.0	0.0	0.0	2950.98	0.00	0.00	167.0
089	G	-29.50	0.00	21.2	0.0	0.0	0.06	0.00	0.00	167.9
		0.00	0.00	0.0	0.0	0.0	2965.75	0.00	0.00	167.9
090	G	-29.49	0.00	21.6	0.0	0.0	0.06	0.00	0.00	168.7
		0.00	0.00	0.0	0.0	0.0	2980.53	0.00	0.00	168.7
Line 4 Section 20									NN0026 D0040	
000	G	26.00	0.00	-28.4	0.0	0.0	0.06	0.00	0.00	168.7
		0.00	0.00	0.0	0.0	0.0	2980.53	0.00	0.00	168.7
001	G	26.17	0.00	-28.0	0.0	0.0	0.05	0.00	0.00	168.0
		0.00	0.00	0.0	0.0	0.0	2967.44	0.00	0.00	168.0
002	G	26.34	0.00	-27.6	0.0	0.0	0.05	0.00	0.00	167.2
		0.00	0.00	0.0	0.0	0.0	2954.27	0.00	0.00	167.2
003	G	26.50	0.00	-27.3	0.0	0.0	0.05	0.00	0.00	166.5
		0.00	0.00	0.0	0.0	0.0	2941.02	0.00	0.00	166.5
004	G	26.66	0.00	-26.9	0.0	0.0	0.05	0.00	0.00	165.7
		0.00	0.00	0.0	0.0	0.0	2927.69	0.00	0.00	165.7
005	G	26.81	0.00	-26.5	0.0	0.0	0.05	0.00	0.00	164.9
		0.00	0.00	0.0	0.0	0.0	2914.28	0.00	0.00	164.9
006	G	26.95	0.00	-26.1	0.0	0.0	0.05	0.00	0.00	164.2
		0.00	0.00	0.0	0.0	0.0	2900.79	0.00	0.00	164.2
007	G	27.08	0.00	-25.7	0.0	0.0	0.05	0.00	0.00	163.4
		0.00	0.00	0.0	0.0	0.0	2887.24	0.00	0.00	163.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	27.21	0.00	-25.3	0.0	0.0	0.05	0.00	0.00	162.6
		0.00	0.00	0.0	0.0	0.0	2873.62	0.00	0.00	162.6
009	G	27.34	0.00	-24.9	0.0	0.0	0.04	0.00	0.00	161.9
		0.00	0.00	0.0	0.0	0.0	2859.94	0.00	0.00	161.9
010	G	27.45	0.00	-24.6	0.0	0.0	0.04	0.00	0.00	161.1
		0.00	0.00	0.0	0.0	0.0	2846.20	0.00	0.00	161.1
011	G	27.56	0.00	-24.2	0.0	0.0	0.04	0.00	0.00	160.3
		0.00	0.00	0.0	0.0	0.0	2832.40	0.00	0.00	160.3
012	G	27.67	0.00	-23.8	0.0	0.0	0.04	0.00	0.00	159.5
		0.00	0.00	0.0	0.0	0.0	2818.55	0.00	0.00	159.5
013	G	27.77	0.00	-23.4	0.0	0.0	0.04	0.00	0.00	158.7
		0.00	0.00	0.0	0.0	0.0	2804.65	0.00	0.00	158.7
014	G	27.87	0.00	-23.1	0.0	0.0	0.04	0.00	0.00	157.9
		0.00	0.00	0.0	0.0	0.0	2790.69	0.00	0.00	157.9
015	G	27.96	0.00	-22.7	0.0	0.0	0.04	0.00	0.00	157.2
		0.00	0.00	0.0	0.0	0.0	2776.69	0.00	0.00	157.2
016	G	28.05	0.00	-22.3	0.0	0.0	0.04	0.00	0.00	156.4
		0.00	0.00	0.0	0.0	0.0	2762.64	0.00	0.00	156.4
017	G	28.13	0.00	-22.0	0.0	0.0	0.04	0.00	0.00	155.6
		0.00	0.00	0.0	0.0	0.0	2748.55	0.00	0.00	155.6
018	G	28.21	0.00	-21.6	0.0	0.0	0.04	0.00	0.00	154.8
		0.00	0.00	0.0	0.0	0.0	2734.42	0.00	0.00	154.8
019	G	28.29	0.00	-21.2	0.0	0.0	0.04	0.00	0.00	154.0
		0.00	0.00	0.0	0.0	0.0	2720.25	0.00	0.00	154.0
020	G	28.36	0.00	-20.9	0.0	0.0	0.03	0.00	0.00	153.2
		0.00	0.00	0.0	0.0	0.0	2706.04	0.00	0.00	153.2
021	G	28.43	0.00	-20.5	0.0	0.0	0.03	0.00	0.00	152.4
		0.00	0.00	0.0	0.0	0.0	2691.80	0.00	0.00	152.4
022	G	28.50	0.00	-20.2	0.0	0.0	0.03	0.00	0.00	151.5
		0.00	0.00	0.0	0.0	0.0	2677.52	0.00	0.00	151.5
023	G	28.56	0.00	-19.8	0.0	0.0	0.03	0.00	0.00	150.7
		0.00	0.00	0.0	0.0	0.0	2663.21	0.00	0.00	150.7
024	G	28.62	0.00	-19.4	0.0	0.0	0.03	0.00	0.00	149.9
		0.00	0.00	0.0	0.0	0.0	2648.87	0.00	0.00	149.9
025	G	28.67	0.00	-19.1	0.0	0.0	0.03	0.00	0.00	149.1
		0.00	0.00	0.0	0.0	0.0	2634.50	0.00	0.00	149.1
026	G	28.72	0.00	-18.7	0.0	0.0	0.03	0.00	0.00	148.3
		0.00	0.00	0.0	0.0	0.0	2620.11	0.00	0.00	148.3
027	G	28.77	0.00	-18.4	0.0	0.0	0.03	0.00	0.00	147.5
		0.00	0.00	0.0	0.0	0.0	2605.69	0.00	0.00	147.5
028	G	28.82	0.00	-18.1	0.0	0.0	0.03	0.00	0.00	146.7
		0.00	0.00	0.0	0.0	0.0	2591.24	0.00	0.00	146.7
029	G	28.87	0.00	-17.7	0.0	0.0	0.03	0.00	0.00	145.8
		0.00	0.00	0.0	0.0	0.0	2576.77	0.00	0.00	145.8
030	G	28.91	0.00	-17.4	0.0	0.0	0.03	0.00	0.00	145.0
		0.00	0.00	0.0	0.0	0.0	2562.28	0.00	0.00	145.0
031	G	28.95	0.00	-17.0	0.0	0.0	0.03	0.00	0.00	144.2
		0.00	0.00	0.0	0.0	0.0	2547.77	0.00	0.00	144.2
032	G	28.98	0.00	-16.7	0.0	0.0	0.03	0.00	0.00	143.4
		0.00	0.00	0.0	0.0	0.0	2533.25	0.00	0.00	143.4
033	G	29.02	0.00	-16.4	0.0	0.0	0.03	0.00	0.00	142.6
		0.00	0.00	0.0	0.0	0.0	2518.70	0.00	0.00	142.6
034	G	29.05	0.00	-16.0	0.0	0.0	0.03	0.00	0.00	141.7
		0.00	0.00	0.0	0.0	0.0	2504.13	0.00	0.00	141.7
035	G	29.08	0.00	-15.7	0.0	0.0	0.03	0.00	0.00	140.9
		0.00	0.00	0.0	0.0	0.0	2489.56	0.00	0.00	140.9
036	G	29.11	0.00	-15.4	0.0	0.0	0.03	0.00	0.00	140.1
		0.00	0.00	0.0	0.0	0.0	2474.96	0.00	0.00	140.1
037	G	29.14	0.00	-15.0	0.0	0.0	0.03	0.00	0.00	139.3
		0.00	0.00	0.0	0.0	0.0	2460.35	0.00	0.00	139.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
038	G	29.16	0.00	-14.7	0.0	0.0	0.02	0.00	0.00	138.4
		0.00	0.00	0.0	0.0	0.0	2445.73	0.00	0.00	138.4
039	G	29.18	0.00	-14.4	0.0	0.0	0.02	0.00	0.00	137.6
		0.00	0.00	0.0	0.0	0.0	2431.10	0.00	0.00	137.6
040	G	29.20	0.00	-14.1	0.0	0.0	0.02	0.00	0.00	136.8
		0.00	0.00	0.0	0.0	0.0	2416.46	0.00	0.00	136.8
041	G	29.22	0.00	-13.7	0.0	0.0	0.02	0.00	0.00	135.9
		0.00	0.00	0.0	0.0	0.0	2401.80	0.00	0.00	135.9
042	G	29.24	0.00	-13.4	0.0	0.0	0.02	0.00	0.00	135.1
		0.00	0.00	0.0	0.0	0.0	2387.14	0.00	0.00	135.1
043	G	29.25	0.00	-13.1	0.0	0.0	0.02	0.00	0.00	134.3
		0.00	0.00	0.0	0.0	0.0	2372.47	0.00	0.00	134.3
044	G	29.27	0.00	-12.8	0.0	0.0	0.02	0.00	0.00	133.4
		0.00	0.00	0.0	0.0	0.0	2357.80	0.00	0.00	133.4
045	G	29.28	0.00	-12.5	0.0	0.0	0.02	0.00	0.00	132.6
		0.00	0.00	0.0	0.0	0.0	2343.11	0.00	0.00	132.6
046	G	29.29	0.00	-12.2	0.0	0.0	0.02	0.00	0.00	131.8
		0.00	0.00	0.0	0.0	0.0	2328.43	0.00	0.00	131.8
047	G	29.30	0.00	-11.9	0.0	0.0	0.02	0.00	0.00	131.0
		0.00	0.00	0.0	0.0	0.0	2313.73	0.00	0.00	131.0
048	G	29.30	0.00	-11.5	0.0	0.0	0.02	0.00	0.00	130.1
		0.00	0.00	0.0	0.0	0.0	2299.04	0.00	0.00	130.1
049	G	29.31	0.00	-11.2	0.0	0.0	0.02	0.00	0.00	129.3
		0.00	0.00	0.0	0.0	0.0	2284.34	0.00	0.00	129.3
050	G	29.31	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	128.5
		0.00	0.00	0.0	0.0	0.0	2269.63	0.00	0.00	128.5
Line 4 Section 21									D0040	D0041
000	G	29.31	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	128.5
		0.00	0.00	0.0	0.0	0.0	2269.63	0.00	0.00	128.5
001	G	29.31	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	128.3
		0.00	0.00	0.0	0.0	0.0	2266.70	0.00	0.00	128.3
Line 4 Section 22									D0041	D0042
000	G	29.31	0.00	-10.9	0.0	0.0	0.02	0.00	0.00	128.3
		0.00	0.00	0.0	0.0	0.0	2266.70	0.00	0.00	128.3
001	G	29.31	0.00	-10.8	0.0	0.0	0.02	0.00	0.00	128.1
		0.00	0.00	0.0	0.0	0.0	2263.77	0.00	0.00	128.1
Line 4 Section 23									D0042	NN0005
000	G	29.31	0.00	-10.8	0.0	0.0	0.02	0.00	0.00	128.1
		0.00	0.00	0.0	0.0	0.0	2263.77	0.00	0.00	128.1
001	G	29.31	0.00	-10.6	0.0	0.0	0.02	0.00	0.00	127.4
		0.00	0.00	0.0	0.0	0.0	2250.76	0.00	0.00	127.4
002	G	29.31	0.00	-10.3	0.0	0.0	0.02	0.00	0.00	126.7
		0.00	0.00	0.0	0.0	0.0	2237.76	0.00	0.00	126.7
003	G	29.31	0.00	-10.0	0.0	0.0	0.02	0.00	0.00	125.9
		0.00	0.00	0.0	0.0	0.0	2224.75	0.00	0.00	125.9
004	G	29.31	0.00	-9.8	0.0	0.0	0.02	0.00	0.00	125.2
		0.00	0.00	0.0	0.0	0.0	2211.74	0.00	0.00	125.2
Line 4 Section 24									NN0005	KNA-2
000	G	29.31	0.00	-9.8	0.0	0.0	0.02	0.00	0.00	125.2
		0.00	0.00	0.0	0.0	0.0	2211.74	0.00	0.00	125.2
001	G	29.31	0.00	-9.5	0.0	0.0	0.02	0.00	0.00	124.4
		0.00	0.00	0.0	0.0	0.0	2198.74	0.00	0.00	124.4
002	G	29.30	0.00	-9.2	0.0	0.0	0.02	0.00	0.00	123.7
		0.00	0.00	0.0	0.0	0.0	2185.73	0.00	0.00	123.7
003	G	29.30	0.00	-9.0	0.0	0.0	0.02	0.00	0.00	123.0
		0.00	0.00	0.0	0.0	0.0	2172.73	0.00	0.00	123.0
004	G	29.29	0.00	-8.7	0.0	0.0	0.02	0.00	0.00	122.2
		0.00	0.00	0.0	0.0	0.0	2159.73	0.00	0.00	122.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 25									KNA-2 D0044	
000	G	29.29	0.00	-8.7	0.0	0.0	0.02	0.00	0.00	122.2
		0.00	0.00	0.0	0.0	0.0	2159.73	0.00	0.00	122.2
001	G	29.28	0.00	-8.5	0.0	0.0	0.02	0.00	0.00	121.5
		0.00	0.00	0.0	0.0	0.0	2147.24	0.00	0.00	121.5
002	G	29.27	0.00	-8.2	0.0	0.0	0.02	0.00	0.00	120.8
		0.00	0.00	0.0	0.0	0.0	2134.74	0.00	0.00	120.8
003	G	29.26	0.00	-8.0	0.0	0.0	0.02	0.00	0.00	120.1
		0.00	0.00	0.0	0.0	0.0	2122.26	0.00	0.00	120.1
Line 4 Section 26									D0044 D0045	
000	G	29.26	0.00	-8.0	0.0	0.0	0.02	0.00	0.00	120.1
		0.00	0.00	0.0	0.0	0.0	2122.26	0.00	0.00	120.1
001	G	29.25	0.00	-7.8	0.0	0.0	0.02	0.00	0.00	119.4
		0.00	0.00	0.0	0.0	0.0	2109.77	0.00	0.00	119.4
002	G	29.24	0.00	-7.5	0.0	0.0	0.02	0.00	0.00	118.7
		0.00	0.00	0.0	0.0	0.0	2097.29	0.00	0.00	118.7
003	G	29.23	0.00	-7.3	0.0	0.0	0.02	0.00	0.00	118.0
		0.00	0.00	0.0	0.0	0.0	2084.82	0.00	0.00	118.0
Line 4 Section 27									D0045 D0047	
000	G	29.23	0.00	-7.3	0.0	0.0	0.02	0.00	0.00	118.0
		0.00	0.00	0.0	0.0	0.0	2084.82	0.00	0.00	118.0
001	G	29.22	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	117.8
		0.00	0.00	0.0	0.0	0.0	2081.90	0.00	0.00	117.8
Line 4 Section 28									D0047 D0050	
000	G	29.22	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	117.8
		0.00	0.00	0.0	0.0	0.0	2081.90	0.00	0.00	117.8
001	G	29.22	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	117.7
		0.00	0.00	0.0	0.0	0.0	2078.98	0.00	0.00	117.7
Line 4 Section 29									D0050 D0060	
000	G	29.22	0.00	-7.2	0.0	0.0	0.01	0.00	0.00	117.7
		0.00	0.00	0.0	0.0	0.0	2078.98	0.00	0.00	117.7
001	G	29.20	0.00	-6.9	0.0	0.0	0.01	0.00	0.00	116.8
		0.00	0.00	0.0	0.0	0.0	2064.47	0.00	0.00	116.8
002	G	29.18	0.00	-6.6	0.0	0.0	0.01	0.00	0.00	116.0
		0.00	0.00	0.0	0.0	0.0	2049.96	0.00	0.00	116.0
003	G	29.16	0.00	-6.4	0.0	0.0	0.01	0.00	0.00	115.2
		0.00	0.00	0.0	0.0	0.0	2035.47	0.00	0.00	115.2
004	G	29.14	0.00	-6.1	0.0	0.0	0.01	0.00	0.00	114.4
		0.00	0.00	0.0	0.0	0.0	2020.99	0.00	0.00	114.4
005	G	29.11	0.00	-5.8	0.0	0.0	0.01	0.00	0.00	113.6
		0.00	0.00	0.0	0.0	0.0	2006.52	0.00	0.00	113.6
006	G	29.09	0.00	-5.6	0.0	0.0	0.01	0.00	0.00	112.7
		0.00	0.00	0.0	0.0	0.0	1992.07	0.00	0.00	112.7
007	G	29.06	0.00	-5.3	0.0	0.0	0.01	0.00	0.00	111.9
		0.00	0.00	0.0	0.0	0.0	1977.62	0.00	0.00	111.9
008	G	29.03	0.00	-5.1	0.0	0.0	0.01	0.00	0.00	111.1
		0.00	0.00	0.0	0.0	0.0	1963.19	0.00	0.00	111.1
009	G	29.00	0.00	-4.8	0.0	0.0	0.01	0.00	0.00	110.3
		0.00	0.00	0.0	0.0	0.0	1948.78	0.00	0.00	110.3
010	G	28.97	0.00	-4.5	0.0	0.0	0.01	0.00	0.00	109.5
		0.00	0.00	0.0	0.0	0.0	1934.38	0.00	0.00	109.5
011	G	28.93	0.00	-4.3	0.0	0.0	0.01	0.00	0.00	108.7
		0.00	0.00	0.0	0.0	0.0	1920.00	0.00	0.00	108.7
012	G	28.89	0.00	-4.0	0.0	0.0	0.01	0.00	0.00	107.9
		0.00	0.00	0.0	0.0	0.0	1905.64	0.00	0.00	107.9
013	G	28.86	0.00	-3.8	0.0	0.0	0.01	0.00	0.00	107.0
		0.00	0.00	0.0	0.0	0.0	1891.29	0.00	0.00	107.0
014	G	28.81	0.00	-3.5	0.0	0.0	0.01	0.00	0.00	106.2
		0.00	0.00	0.0	0.0	0.0	1876.97	0.00	0.00	106.2

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
015	G	28.77	0.00	-3.3	0.0	0.0	0.01	0.00	0.00	105.4
		0.00	0.00	0.0	0.0	0.0	1862.67	0.00	0.00	105.4
016	G	28.72	0.00	-3.0	0.0	0.0	0.01	0.00	0.00	104.6
		0.00	0.00	0.0	0.0	0.0	1848.39	0.00	0.00	104.6
017	G	28.68	0.00	-2.8	0.0	0.0	0.01	0.00	0.00	103.8
		0.00	0.00	0.0	0.0	0.0	1834.13	0.00	0.00	103.8
018	G	28.62	0.00	-2.6	0.0	0.0	0.01	-0.01	0.00	103.0
		0.00	0.00	0.0	0.0	0.0	1819.90	0.00	0.00	103.0
019	G	28.57	0.00	-2.3	0.0	0.0	0.01	-0.01	0.00	102.2
		0.00	0.00	0.0	0.0	0.0	1805.69	0.00	0.00	102.2
020	G	28.51	0.00	-2.1	0.0	0.0	0.01	-0.01	0.00	101.4
		0.00	0.00	0.0	0.0	0.0	1791.51	0.00	0.00	101.4
021	G	28.45	0.00	-1.9	0.0	0.0	0.01	-0.01	0.00	100.6
		0.00	0.00	0.0	0.0	0.0	1777.36	0.00	0.00	100.6
022	G	28.38	0.00	-1.6	0.0	0.0	0.01	-0.01	0.00	99.8
		0.00	0.00	0.0	0.0	0.0	1763.25	0.00	0.00	99.8
023	G	28.31	0.00	-1.4	0.0	0.0	0.01	-0.01	0.00	99.0
		0.00	0.00	0.0	0.0	0.0	1749.16	0.00	0.00	99.0
024	G	28.23	0.00	-1.2	0.0	0.0	0.01	-0.01	0.00	98.2
		0.00	0.00	0.0	0.0	0.0	1735.12	0.00	0.00	98.2
025	G	27.32	0.00	-0.9	0.0	0.0	0.01	-0.01	0.00	97.4
		0.00	0.00	0.0	0.0	0.0	1721.32	0.00	0.00	97.4
026	G	20.68	0.00	-0.7	0.0	0.0	0.01	-0.01	0.00	96.8
		0.00	0.00	0.0	0.0	0.0	1709.40	0.00	0.00	96.7
027	G	14.07	0.00	-0.5	0.0	0.0	0.01	-0.01	0.00	96.3
		0.00	0.00	0.0	0.0	0.0	1700.77	0.00	0.00	96.3
028	G	7.49	0.00	-0.3	0.0	0.0	0.01	-0.01	0.00	96.0
		0.00	0.00	0.0	0.0	0.0	1695.41	0.00	0.00	96.0
029	G	0.93	0.00	0.0	0.0	0.0	0.01	-0.01	0.00	95.8
		0.00	0.00	0.0	0.0	0.0	1693.32	0.00	0.00	95.8
030	G	-4.11	0.00	0.2	0.0	0.0	0.01	-0.01	0.00	95.9
		0.00	0.00	0.0	0.0	0.0	1694.11	0.00	0.00	95.9
031	G	-10.69	0.00	0.4	0.0	0.0	0.01	0.00	0.00	96.1
		0.00	0.00	0.0	0.0	0.0	1697.79	0.00	0.01	96.1
032	G	-17.28	0.00	0.6	0.0	0.0	0.01	0.00	0.00	96.5
		0.00	0.00	0.0	0.0	0.0	1704.73	0.00	0.01	96.5
033	G	-23.91	0.00	0.9	0.0	0.0	0.01	0.00	0.00	97.1
		0.00	0.01	0.0	0.0	0.0	1714.97	0.00	0.01	97.1
034	G	-29.43	0.00	1.1	0.0	0.0	0.01	0.01	0.00	97.8
		0.00	0.01	0.0	0.0	0.0	1728.21	0.00	0.01	97.8
035	G	-29.43	0.00	1.3	0.0	0.0	0.01	0.02	0.00	98.6
		0.00	0.01	0.0	0.0	0.0	1742.83	0.00	0.02	98.6
036	G	-29.43	0.00	1.5	0.0	0.0	0.01	0.03	0.00	99.5
		0.00	0.01	0.0	0.0	0.0	1757.45	0.00	0.02	99.5
037	G	-29.43	0.00	1.8	0.0	0.0	0.01	0.04	0.00	100.3
		0.00	0.01	0.0	0.0	0.0	1772.07	0.00	0.02	100.3
038	G	-29.43	0.00	2.0	0.0	0.0	0.01	0.05	0.00	101.1
		0.00	0.01	0.0	0.0	0.0	1786.69	0.00	0.03	101.1
039	G	-29.43	0.00	2.3	0.0	0.0	0.01	0.07	0.00	102.0
		0.00	0.01	0.0	0.0	0.0	1801.31	0.00	0.03	102.0
040	G	-29.43	0.00	2.5	0.0	0.0	0.01	0.08	0.00	102.8
		0.00	0.01	0.0	0.0	0.0	1815.93	0.00	0.03	102.8
041	G	-29.43	0.00	2.7	0.0	0.0	0.01	0.10	0.00	103.6
		0.00	0.01	0.0	0.0	0.0	1830.55	0.00	0.04	103.6
042	G	-29.43	0.00	3.0	0.0	0.0	0.01	0.12	0.00	104.5
		0.00	0.00	0.0	0.0	0.0	1845.17	0.00	0.04	104.4
043	G	-29.43	0.00	3.2	0.0	0.0	0.01	0.14	0.00	105.3
		0.00	0.00	0.0	0.0	0.0	1859.79	0.00	0.04	105.3
044	G	-29.43	0.00	3.5	0.0	0.0	0.01	0.16	0.00	106.1
		0.00	0.00	0.0	0.0	0.0	1874.41	0.00	0.04	106.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
045	G	-29.43	0.00	3.7	0.0	0.0	0.01	0.18	0.00	107.0
		0.00	0.00	0.0	0.0	0.0	1889.03	0.00	0.04	106.9
046	G	-29.43	0.00	4.0	0.0	0.0	0.01	0.20	0.00	107.8
		0.00	0.01	0.0	0.0	0.0	1903.65	0.00	0.04	107.7
047	G	-29.43	0.00	4.2	0.0	0.0	0.01	0.22	0.00	108.6
		0.00	0.01	0.0	0.0	0.0	1918.27	0.00	0.03	108.6
048	G	-29.43	0.00	4.5	0.0	0.0	0.01	0.24	0.00	109.5
		0.00	0.02	0.0	0.0	0.0	1932.89	0.00	0.03	109.4
049	G	-29.44	0.00	4.7	0.0	0.0	0.02	0.25	0.00	110.3
		0.00	0.02	0.0	0.0	0.0	1947.51	0.00	0.02	110.2
050	G	-29.44	0.00	5.0	0.0	0.0	0.02	0.25	0.00	111.1
		0.00	0.03	0.0	0.0	0.0	1962.13	0.00	0.00	111.1
051	G	-29.44	0.00	5.2	0.0	0.0	0.02	0.25	0.00	112.0
		0.00	0.04	0.0	0.0	0.0	1976.76	0.00	-0.02	111.9
052	G	-29.45	0.00	5.5	0.0	0.0	0.02	0.24	0.00	112.8
		0.00	0.05	0.0	0.0	0.0	1991.39	0.00	-0.04	112.7
053	G	-29.45	0.00	5.8	0.0	0.0	0.02	0.21	0.00	113.6
		0.00	0.06	0.0	0.0	0.0	2006.02	0.00	-0.07	113.5
054	G	-29.46	0.00	6.0	0.0	0.0	0.02	0.17	0.00	114.4
		0.00	0.08	0.0	0.0	0.0	2020.65	0.00	-0.10	114.4
055	G	-29.46	0.00	6.3	0.0	0.0	0.02	0.11	0.00	115.2
		0.00	0.09	0.0	0.0	0.0	2035.29	0.00	-0.14	115.2
056	G	-29.47	0.00	6.6	0.0	0.0	0.02	0.03	0.00	116.0
		0.00	0.10	0.0	0.0	0.0	2049.93	0.00	-0.19	116.0
057	G	-29.47	0.00	6.8	0.0	0.0	0.02	-0.08	0.00	116.9
		0.00	0.12	0.0	0.0	0.0	2064.57	0.00	-0.25	116.9
058	G	-29.48	0.00	7.1	0.0	0.0	0.02	-0.21	0.00	117.8
		0.00	0.13	0.0	0.0	0.0	2079.21	0.00	-0.31	117.7
059	G	-29.49	0.00	7.4	0.0	0.0	0.02	-0.38	0.00	118.6
		0.00	0.14	0.0	0.0	0.0	2093.86	0.00	-0.37	118.5
060	G	-29.49	0.00	7.7	0.0	0.0	0.02	-0.59	0.00	119.5
		0.00	0.15	0.0	0.0	0.0	2108.50	0.00	-0.45	119.3
061	G	-29.49	0.00	7.9	0.0	0.0	0.02	-0.83	0.00	120.4
		0.00	0.16	0.0	0.0	0.0	2123.15	0.00	-0.53	120.2
062	G	-29.49	0.00	8.2	0.0	0.0	0.02	-1.11	0.00	121.4
		0.00	0.17	0.0	0.0	0.0	2137.81	0.00	-0.61	121.0
063	G	-29.49	0.00	8.5	0.0	0.0	0.02	-1.43	0.00	122.3
		0.00	0.16	0.0	0.0	0.0	2152.46	0.00	-0.69	121.8
064	G	-29.49	0.00	8.8	0.0	0.0	0.02	-1.79	0.00	123.2
		0.00	0.16	0.0	0.0	0.0	2167.11	0.00	-0.77	122.7
065	G	-29.48	0.00	9.1	0.0	0.0	0.02	-2.20	0.00	124.2
		0.00	0.14	0.0	0.0	0.0	2181.76	0.00	-0.84	123.5
066	G	-29.47	0.00	9.4	0.0	0.0	0.02	-2.63	0.00	125.2
		0.00	0.12	0.0	0.0	0.0	2196.40	0.00	-0.91	124.3
067	G	-29.46	0.00	9.7	0.0	0.0	0.02	-3.10	0.00	126.1
		0.00	0.08	0.0	0.0	0.0	2211.04	0.00	-0.95	125.1
068	G	-29.44	0.00	9.9	0.0	0.0	0.02	-3.58	0.00	127.1
		0.00	0.03	0.0	0.0	0.0	2225.67	0.00	-0.98	126.0
Line 4 Section 30									D0060 NN0004	
000	G	-2.23	0.00	9.9	0.0	0.0	0.02	-3.58	0.00	127.1
		0.00	0.00	0.0	0.0	0.0	2225.67	0.00	-0.98	126.0
001	G	-2.23	0.00	10.0	0.0	0.0	0.02	-3.68	0.00	127.2
		0.00	0.00	0.0	0.0	0.0	2225.89	0.00	-0.98	126.0
Line 4 Section 31									NN0004 D0061	
000	G	0.00	0.00	10.0	0.0	0.0	0.02	-3.68	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2225.89	0.00	-0.98	126.0
001	G	0.00	0.00	10.0	0.0	0.0	0.02	-3.73	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2225.89	0.00	-1.26	126.0
002	G	0.00	0.00	10.1	0.0	0.0	0.02	-3.80	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2225.89	0.00	-1.54	126.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 32									D0061	D0062
000	G	0.00	0.00	10.1	0.0	0.0	0.02	-3.80	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2232.25	0.00	11.18	126.3
001	G	0.00	0.00	11.2	0.0	0.0	0.02	7.35	0.00	2.4
		0.00	0.00	0.0	0.0	0.0	2232.25	0.00	0.00	126.3
002	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.80	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2232.25	0.00	-11.18	126.3
Line 4 Section 33									D0062	D0065
000	G	0.00	0.00	12.4	0.0	0.0	0.02	-3.80	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2238.62	0.00	1.54	126.7
001	G	0.00	0.00	12.5	0.0	0.0	0.02	-3.73	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2238.62	0.00	1.26	126.7
002	G	0.00	0.00	12.5	0.0	0.0	0.02	-3.68	0.00	1.2
		0.00	0.00	0.0	0.0	0.0	2238.62	0.00	0.98	126.7
Line 4 Section 34									D0065	D0070
000	G	-2.23	0.00	12.5	0.0	0.0	0.02	-3.68	0.00	127.9
		0.00	0.00	0.0	0.0	0.0	2238.62	0.00	0.98	126.7
001	G	-2.23	0.00	12.5	0.0	0.0	0.02	-3.58	0.00	127.9
		0.00	0.00	0.0	0.0	0.0	2238.84	0.00	0.98	126.7
Line 4 Section 35									D0070	D0075
000	G	-29.44	0.00	12.5	0.0	0.0	0.02	-3.58	0.00	127.9
		0.00	0.03	0.0	0.0	0.0	2238.84	0.00	0.98	126.7
001	G	-29.46	0.00	12.8	0.0	0.0	0.02	-3.09	0.00	128.6
		0.00	0.08	0.0	0.0	0.0	2253.55	0.00	0.95	127.5
002	G	-29.47	0.00	13.1	0.0	0.0	0.02	-2.63	0.00	129.2
		0.00	0.12	0.0	0.0	0.0	2268.27	0.00	0.91	128.4
003	G	-29.49	0.00	13.4	0.0	0.0	0.02	-2.19	0.00	129.9
		0.00	0.14	0.0	0.0	0.0	2283.00	0.00	0.84	129.2
004	G	-29.49	0.00	13.7	0.0	0.0	0.03	-1.79	0.00	130.6
		0.00	0.16	0.0	0.0	0.0	2297.73	0.00	0.77	130.0
005	G	-29.49	0.00	14.1	0.0	0.0	0.03	-1.42	0.00	131.3
		0.00	0.16	0.0	0.0	0.0	2312.46	0.00	0.69	130.9
006	G	-29.49	0.00	14.4	0.0	0.0	0.03	-1.10	0.00	132.1
		0.00	0.17	0.0	0.0	0.0	2327.20	0.00	0.60	131.7
007	G	-29.49	0.00	14.7	0.0	0.0	0.03	-0.82	0.00	132.8
		0.00	0.16	0.0	0.0	0.0	2341.93	0.00	0.52	132.5
008	G	-29.49	0.00	15.0	0.0	0.0	0.03	-0.58	0.00	133.6
		0.00	0.15	0.0	0.0	0.0	2356.66	0.00	0.44	133.4
009	G	-29.49	0.00	15.3	0.0	0.0	0.03	-0.37	0.00	134.3
		0.00	0.14	0.0	0.0	0.0	2371.39	0.00	0.37	134.2
010	G	-29.48	0.00	15.6	0.0	0.0	0.03	-0.21	0.00	135.1
		0.00	0.13	0.0	0.0	0.0	2386.12	0.00	0.30	135.1
011	G	-29.47	0.00	15.9	0.0	0.0	0.03	-0.07	0.00	135.9
		0.00	0.12	0.0	0.0	0.0	2400.85	0.00	0.24	135.9
012	G	-29.47	0.00	16.2	0.0	0.0	0.03	0.04	0.00	136.7
		0.00	0.10	0.0	0.0	0.0	2415.57	0.00	0.19	136.7
013	G	-29.46	0.00	16.6	0.0	0.0	0.03	0.12	0.00	137.6
		0.00	0.09	0.0	0.0	0.0	2430.29	0.00	0.14	137.6
014	G	-29.46	0.00	16.9	0.0	0.0	0.03	0.18	0.00	138.4
		0.00	0.08	0.0	0.0	0.0	2445.01	0.00	0.10	138.4
015	G	-29.45	0.00	17.2	0.0	0.0	0.03	0.22	0.00	139.3
		0.00	0.06	0.0	0.0	0.0	2459.72	0.00	0.06	139.2
016	G	-29.45	0.00	17.5	0.0	0.0	0.03	0.24	0.00	140.1
		0.00	0.05	0.0	0.0	0.0	2474.43	0.00	0.04	140.0
017	G	-29.44	0.00	17.9	0.0	0.0	0.03	0.25	0.00	141.0
		0.00	0.04	0.0	0.0	0.0	2489.14	0.00	0.01	140.9
018	G	-29.44	0.00	18.2	0.0	0.0	0.03	0.25	0.00	141.8
		0.00	0.03	0.0	0.0	0.0	2503.85	0.00	0.00	141.7
019	G	-29.44	0.00	18.5	0.0	0.0	0.03	0.25	0.00	142.6
		0.00	0.02	0.0	0.0	0.0	2518.56	0.00	-0.02	142.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
020	G	-29.43	0.00	18.9	0.0	0.0	0.03	0.23	0.00	143.5	
		0.00	0.02	0.0	0.0	0.0	2533.26	0.00	-0.03	143.4	
021	G	-29.43	0.00	19.2	0.0	0.0	0.04	0.22	0.00	144.3	
		0.00	0.01	0.0	0.0	0.0	2547.96	0.00	-0.04	144.2	
022	G	-29.43	0.00	19.5	0.0	0.0	0.04	0.20	0.00	145.1	
		0.00	0.01	0.0	0.0	0.0	2562.67	0.00	-0.04	145.0	
Line	4	Section 36							D0075	D0080	
000	G	28.92	0.00	-30.5	0.0	0.0	0.04	0.20	0.00	145.1	
		0.00	0.01	0.0	0.0	0.0	2562.67	0.00	-0.04	145.0	
001	G	28.99	0.00	-30.1	0.0	0.0	0.04	0.18	0.00	144.3	
		0.00	0.00	0.0	0.0	0.0	2548.19	0.00	-0.04	144.2	
002	G	29.05	0.00	-29.8	0.0	0.0	0.04	0.16	0.00	143.5	
		0.00	0.00	0.0	0.0	0.0	2533.68	0.00	-0.04	143.4	
003	G	29.12	0.00	-29.4	0.0	0.0	0.04	0.14	0.00	142.6	
		0.00	0.00	0.0	0.0	0.0	2519.14	0.00	-0.04	142.6	
004	G	29.18	0.00	-29.1	0.0	0.0	0.04	0.12	0.00	141.8	
		0.00	0.00	0.0	0.0	0.0	2504.56	0.00	-0.04	141.8	
005	G	29.24	0.00	-28.8	0.0	0.0	0.04	0.10	0.00	141.0	
		0.00	0.01	0.0	0.0	0.0	2489.96	0.00	-0.04	140.9	
006	G	29.30	0.00	-28.5	0.0	0.0	0.04	0.08	0.00	140.1	
		0.00	0.01	0.0	0.0	0.0	2475.32	0.00	-0.03	140.1	
007	G	29.36	0.00	-28.1	0.0	0.0	0.04	0.06	0.00	139.3	
		0.00	0.01	0.0	0.0	0.0	2460.66	0.00	-0.03	139.3	
008	G	29.41	0.00	-27.8	0.0	0.0	0.04	0.05	0.00	138.5	
		0.00	0.01	0.0	0.0	0.0	2445.97	0.00	-0.03	138.4	
009	G	29.42	0.00	-27.5	0.0	0.0	0.04	0.04	0.00	137.6	
		0.00	0.01	0.0	0.0	0.0	2431.26	0.00	-0.02	137.6	
010	G	29.42	0.00	-27.2	0.0	0.0	0.04	0.03	0.00	136.8	
		0.00	0.01	0.0	0.0	0.0	2416.55	0.00	-0.02	136.8	
011	G	29.42	0.00	-26.8	0.0	0.0	0.04	0.02	0.00	135.9	
		0.00	0.01	0.0	0.0	0.0	2401.84	0.00	-0.02	135.9	
012	G	29.42	0.00	-26.5	0.0	0.0	0.05	0.01	0.00	135.1	
		0.00	0.01	0.0	0.0	0.0	2387.13	0.00	-0.01	135.1	
013	G	29.42	0.00	-26.2	0.0	0.0	0.05	0.00	0.00	134.3	
		0.00	0.01	0.0	0.0	0.0	2372.42	0.00	-0.01	134.3	
014	G	29.42	0.00	-25.9	0.0	0.0	0.05	0.00	0.00	133.4	
		0.00	0.00	0.0	0.0	0.0	2357.72	0.00	-0.01	133.4	
015	G	29.42	0.00	-25.6	0.0	0.0	0.05	0.00	0.00	132.6	
		0.00	0.00	0.0	0.0	0.0	2343.01	0.00	-0.01	132.6	
016	G	29.42	0.00	-25.3	0.0	0.0	0.05	-0.01	0.00	131.8	
		0.00	0.00	0.0	0.0	0.0	2328.30	0.00	0.00	131.8	
017	G	29.42	0.00	-25.0	0.0	0.0	0.05	-0.01	0.00	130.9	
		0.00	0.00	0.0	0.0	0.0	2313.59	0.00	0.00	130.9	
018	G	29.42	0.00	-24.7	0.0	0.0	0.05	-0.01	0.00	130.1	
		0.00	0.00	0.0	0.0	0.0	2298.88	0.00	0.00	130.1	
019	G	29.42	0.00	-24.4	0.0	0.0	0.05	-0.01	0.00	129.3	
		0.00	0.00	0.0	0.0	0.0	2284.17	0.00	0.00	129.3	
020	G	29.42	0.00	-24.1	0.0	0.0	0.05	-0.01	0.00	128.5	
		0.00	0.00	0.0	0.0	0.0	2269.47	0.00	0.00	128.4	
021	G	29.42	0.00	-23.8	0.0	0.0	0.06	-0.01	0.00	127.6	
		0.00	0.00	0.0	0.0	0.0	2254.76	0.00	0.00	127.6	
022	G	29.42	0.00	-23.5	0.0	0.0	0.06	-0.01	0.00	126.8	
		0.00	0.00	0.0	0.0	0.0	2240.05	0.00	0.00	126.8	
023	G	29.42	0.00	-23.2	0.0	0.0	0.06	-0.01	0.00	126.0	
		0.00	0.00	0.0	0.0	0.0	2225.34	0.00	0.00	126.0	
024	G	29.42	0.00	-22.9	0.0	0.0	0.06	-0.01	0.00	125.1	
		0.00	0.00	0.0	0.0	0.0	2210.63	0.00	0.00	125.1	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 37							D0080	D0090	
000	G	29.42	0.00	-22.9	0.0	0.0	0.06	-0.01	0.00	125.1	
		0.00	0.00	0.0	0.0	0.0	2210.63	0.00	0.00	125.1	
001	G	28.58	0.00	-22.6	0.0	0.0	0.06	-0.01	0.00	124.3	
		0.00	0.00	0.0	0.0	0.0	2196.14	0.00	0.00	124.3	
002	G	27.74	0.00	-22.3	0.0	0.0	0.06	-0.01	0.00	123.5	
		0.00	0.00	0.0	0.0	0.0	2182.05	0.00	0.00	123.5	
003	G	26.91	0.00	-22.0	0.0	0.0	0.07	-0.01	0.00	122.7	
		0.00	0.00	0.0	0.0	0.0	2168.39	0.00	0.00	122.7	
004	G	26.07	0.00	-21.7	0.0	0.0	0.07	-0.01	0.00	122.0	
		0.00	0.00	0.0	0.0	0.0	2155.15	0.00	0.00	122.0	
005	G	25.24	0.00	-21.4	0.0	0.0	0.07	0.00	0.00	121.3	
		0.00	0.00	0.0	0.0	0.0	2142.32	0.00	0.00	121.3	
006	G	24.40	0.00	-21.1	0.0	0.0	0.07	0.00	0.00	120.6	
		0.00	0.00	0.0	0.0	0.0	2129.91	0.00	0.00	120.5	
007	G	23.56	0.00	-20.9	0.0	0.0	0.07	0.00	0.00	119.9	
		0.00	0.00	0.0	0.0	0.0	2117.92	0.00	0.00	119.9	
008	G	22.73	0.00	-20.6	0.0	0.0	0.08	0.00	0.00	119.2	
		0.00	0.00	0.0	0.0	0.0	2106.35	0.00	0.00	119.2	
009	G	21.89	0.00	-20.3	0.0	0.0	0.08	0.00	0.00	118.6	
		0.00	0.00	0.0	0.0	0.0	2095.19	0.00	0.00	118.6	
010	G	21.06	0.00	-20.0	0.0	0.0	0.08	0.00	0.00	118.0	
		0.00	0.00	0.0	0.0	0.0	2084.46	0.00	0.00	118.0	
011	G	20.22	0.00	-19.7	0.0	0.0	0.08	0.00	0.00	117.4	
		0.00	0.00	0.0	0.0	0.0	2074.14	0.00	0.00	117.4	
012	G	19.38	0.00	-19.5	0.0	0.0	0.08	0.00	0.00	116.8	
		0.00	0.00	0.0	0.0	0.0	2064.24	0.00	0.00	116.8	
013	G	18.55	0.00	-19.2	0.0	0.0	0.09	0.00	0.00	116.3	
		0.00	0.00	0.0	0.0	0.0	2054.75	0.00	0.00	116.3	
014	G	17.71	0.00	-18.9	0.0	0.0	0.09	0.00	0.00	115.8	
		0.00	0.00	0.0	0.0	0.0	2045.69	0.00	0.00	115.8	
015	G	16.88	0.00	-18.7	0.0	0.0	0.09	0.00	0.00	115.3	
		0.00	0.00	0.0	0.0	0.0	2037.04	0.00	0.00	115.3	
016	G	16.04	0.00	-18.4	0.0	0.0	0.09	0.00	0.00	114.8	
		0.00	0.00	0.0	0.0	0.0	2028.81	0.00	0.00	114.8	
017	G	15.20	0.00	-18.1	0.0	0.0	0.10	0.00	0.00	114.4	
		0.00	0.00	0.0	0.0	0.0	2021.00	0.00	0.00	114.4	
018	G	14.37	0.00	-17.8	0.0	0.0	0.10	0.00	0.00	114.0	
		0.00	0.00	0.0	0.0	0.0	2013.61	0.00	0.00	114.0	
019	G	13.53	0.00	-17.6	0.0	0.0	0.10	0.00	0.00	113.6	
		0.00	0.00	0.0	0.0	0.0	2006.63	0.00	0.00	113.6	
020	G	12.70	0.00	-17.3	0.0	0.0	0.10	0.00	0.00	113.2	
		0.00	0.00	0.0	0.0	0.0	2000.08	0.00	0.00	113.2	
021	G	11.86	0.00	-17.1	0.0	0.0	0.10	0.00	0.00	112.9	
		0.00	0.00	0.0	0.0	0.0	1993.94	0.00	0.00	112.9	
022	G	11.02	0.00	-16.8	0.0	0.0	0.11	0.00	0.00	112.5	
		0.00	0.00	0.0	0.0	0.0	1988.22	0.00	0.00	112.5	
023	G	10.19	0.00	-16.5	0.0	0.0	0.11	0.00	0.00	112.2	
		0.00	0.00	0.0	0.0	0.0	1982.91	0.00	0.00	112.2	
024	G	9.35	0.00	-16.3	0.0	0.0	0.11	0.00	0.00	112.0	
		0.00	0.00	0.0	0.0	0.0	1978.03	0.00	0.00	112.0	
025	G	8.52	0.00	-16.0	0.0	0.0	0.11	0.00	0.00	111.7	
		0.00	0.00	0.0	0.0	0.0	1973.56	0.00	0.00	111.7	
026	G	7.68	0.00	-15.7	0.0	0.0	0.11	0.00	0.00	111.5	
		0.00	0.00	0.0	0.0	0.0	1969.51	0.00	0.00	111.5	
027	G	6.84	0.00	-15.5	0.0	0.0	0.12	0.00	0.00	111.3	
		0.00	0.00	0.0	0.0	0.0	1965.88	0.00	0.00	111.3	
028	G	6.01	0.00	-15.2	0.0	0.0	0.12	0.00	0.00	111.1	
		0.00	0.00	0.0	0.0	0.0	1962.67	0.00	0.00	111.1	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 38							D0090	D0091	
000	G	6.01	0.00	-15.2	0.0	0.0	0.12	0.00	0.00	111.1	
		0.00	0.00	0.0	0.0	0.0	1962.67	0.00	0.00	111.1	
001	G	6.01	0.00	-15.0	0.0	0.0	0.12	0.00	0.00	110.9	
		0.00	0.00	0.0	0.0	0.0	1959.67	0.00	0.00	110.9	
002	G	6.01	0.00	-14.7	0.0	0.0	0.12	0.00	0.00	110.7	
		0.00	0.00	0.0	0.0	0.0	1956.67	0.00	0.00	110.7	
003	G	6.01	0.00	-14.4	0.0	0.0	0.12	0.00	0.00	110.6	
		0.00	0.00	0.0	0.0	0.0	1953.67	0.00	0.00	110.6	
004	G	6.01	0.00	-14.2	0.0	0.0	0.13	0.00	0.00	110.4	
		0.00	0.00	0.0	0.0	0.0	1950.67	0.00	0.00	110.4	
005	G	6.01	0.00	-13.9	0.0	0.0	0.13	0.00	0.00	110.2	
		0.00	0.00	0.0	0.0	0.0	1947.67	0.00	0.00	110.2	
006	G	6.01	0.00	-13.7	0.0	0.0	0.13	0.00	0.00	110.1	
		0.00	0.00	0.0	0.0	0.0	1944.67	0.00	0.00	110.1	
007	G	6.01	0.00	-13.4	0.0	0.0	0.13	0.00	0.00	109.9	
		0.00	0.00	0.0	0.0	0.0	1941.67	0.00	0.00	109.9	
008	G	6.01	0.00	-13.2	0.0	0.0	0.13	0.00	0.00	109.7	
		0.00	0.00	0.0	0.0	0.0	1938.67	0.00	0.00	109.7	
009	G	6.01	0.00	-12.9	0.0	0.0	0.14	0.00	0.00	109.6	
		0.00	0.00	0.0	0.0	0.0	1935.67	0.00	0.00	109.6	
010	G	6.01	0.00	-12.6	0.0	0.0	0.14	0.00	0.00	109.4	
		0.00	0.00	0.0	0.0	0.0	1932.67	0.00	0.00	109.4	
011	G	6.01	0.00	-12.4	0.0	0.0	0.14	0.00	0.00	109.2	
		-0.01	0.00	0.0	0.0	0.0	1929.67	0.00	0.00	109.2	
012	G	6.01	0.00	-12.1	0.0	0.0	0.14	0.00	0.00	109.0	
		-0.01	0.00	0.0	0.0	0.0	1926.66	0.00	0.00	109.0	
013	G	6.01	0.00	-11.9	0.0	0.0	0.15	0.00	0.00	108.9	
		-0.01	0.00	0.0	0.0	0.0	1923.66	0.00	0.00	108.9	
014	G	6.01	0.00	-11.6	0.0	0.0	0.15	0.00	0.00	108.7	
		-0.01	0.00	0.0	0.0	0.0	1920.66	0.00	0.00	108.7	
015	G	6.01	0.00	-11.4	0.0	0.0	0.15	0.00	0.00	108.5	
		-0.01	0.00	0.0	0.0	0.0	1917.66	0.00	0.00	108.5	
016	G	6.01	0.00	-11.1	0.0	0.0	0.16	0.00	0.00	108.4	
		-0.01	0.00	0.0	0.0	0.0	1914.66	0.00	0.00	108.4	
017	G	6.01	0.00	-10.9	0.0	0.0	0.16	0.00	0.00	108.2	
		-0.01	0.00	0.0	0.0	0.0	1911.66	0.00	0.00	108.2	
018	G	6.01	0.00	-10.6	0.0	0.0	0.16	0.00	0.00	108.0	
		-0.01	0.00	0.0	0.0	0.0	1908.66	0.00	0.00	108.0	
019	G	6.01	0.00	-10.4	0.0	0.0	0.17	0.00	0.00	107.9	
		-0.01	0.00	0.0	0.0	0.0	1905.66	0.00	0.00	107.9	
020	G	6.01	0.00	-10.1	0.0	0.0	0.17	0.00	0.00	107.7	
		-0.01	0.00	0.0	0.0	0.0	1902.66	0.00	0.00	107.7	
021	G	6.01	0.00	-9.8	0.0	0.0	0.17	0.00	0.00	107.5	
		-0.01	0.00	0.0	0.0	0.0	1899.66	0.00	0.00	107.5	
022	G	6.01	0.00	-9.6	0.0	0.0	0.18	0.00	0.00	107.3	
		-0.01	0.00	0.0	0.0	0.0	1896.66	0.00	0.00	107.3	
023	G	6.01	0.00	-9.3	0.0	0.0	0.18	0.00	0.00	107.2	
		-0.01	0.00	0.0	0.0	0.0	1893.66	0.00	0.00	107.2	
024	G	6.01	0.00	-9.1	0.0	0.0	0.18	0.00	0.00	107.0	
		-0.01	0.00	0.0	0.0	0.0	1890.66	0.00	0.00	107.0	
025	G	6.01	0.00	-8.8	0.0	0.0	0.19	0.00	0.00	106.8	
		-0.01	0.00	0.0	0.0	0.0	1887.66	0.00	0.00	106.8	
026	G	6.01	0.00	-8.6	0.0	0.0	0.19	0.00	0.00	106.7	
		-0.01	0.00	0.0	0.0	0.0	1884.66	0.00	0.00	106.7	
027	G	6.01	0.00	-8.3	0.0	0.0	0.20	0.00	0.00	106.5	
		-0.01	0.00	0.0	0.0	0.0	1881.66	0.00	0.00	106.5	
028	G	6.01	0.00	-8.1	0.0	0.0	0.20	0.00	0.00	106.3	
		-0.01	0.00	0.0	0.0	0.0	1878.66	0.00	0.00	106.3	
029	G	6.01	0.00	-7.8	0.0	0.0	0.21	0.00	0.00	106.2	
		-0.01	0.00	0.0	0.0	0.0	1875.66	0.00	0.00	106.2	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	6.01	0.00	-7.6	0.0	0.0	0.21	0.00	0.00	106.0
		-0.01	0.00	0.0	0.0	0.0	1872.66	0.00	0.00	106.0
031	G	6.01	0.00	-7.4	0.0	0.0	0.22	0.00	0.00	105.8
		-0.01	0.00	0.0	0.0	0.0	1869.66	0.00	0.00	105.8
032	G	6.01	0.00	-7.1	0.0	0.0	0.22	0.00	0.00	105.7
		-0.01	0.00	0.0	0.0	0.0	1866.66	0.00	0.00	105.6
Line 4	Section 39								D0091 D0092	
000	G	6.01	0.00	-7.1	0.0	0.0	0.22	0.00	0.00	105.7
		-0.01	0.00	0.0	0.0	0.0	1866.66	0.00	0.00	105.6
001	G	6.79	0.00	-6.9	0.0	0.0	0.23	0.00	0.00	105.5
		-0.01	0.00	0.0	0.0	0.0	1863.46	0.00	0.00	105.5
002	G	7.57	0.00	-6.6	0.0	0.0	0.24	0.00	0.00	105.3
		-0.02	0.00	0.0	0.0	0.0	1859.87	0.00	0.00	105.3
003	G	8.35	0.00	-6.4	0.0	0.0	0.25	0.00	0.00	105.0
		-0.02	0.00	0.0	0.0	0.0	1855.89	0.00	0.00	105.0
004	G	9.13	0.00	-6.1	0.0	0.0	0.26	0.00	0.00	104.8
		-0.02	0.00	0.0	0.0	0.0	1851.52	0.00	0.00	104.8
005	G	9.91	0.00	-5.9	0.0	0.0	0.27	0.00	0.00	104.5
		-0.02	0.00	0.0	0.0	0.0	1846.76	0.00	0.00	104.5
006	G	10.69	0.00	-5.6	0.0	0.0	0.28	0.00	0.00	104.2
		-0.03	0.00	0.0	0.0	0.0	1841.61	0.00	0.00	104.2
007	G	11.47	0.00	-5.4	0.0	0.0	0.29	0.00	0.00	103.9
		-0.03	0.00	0.0	0.0	0.0	1836.07	0.00	0.00	103.9
008	G	12.25	0.00	-5.1	0.0	0.0	0.31	0.00	0.00	103.6
		-0.03	0.00	0.0	0.0	0.0	1830.14	0.00	0.00	103.6
009	G	13.03	0.00	-4.9	0.0	0.0	0.32	0.00	0.00	103.2
		-0.03	0.00	0.0	0.0	0.0	1823.82	0.00	0.00	103.2
010	G	13.81	0.00	-4.7	0.0	0.0	0.34	0.00	0.00	102.8
		-0.04	0.00	0.0	0.0	0.0	1817.11	0.00	0.00	102.8
011	G	14.59	0.00	-4.4	0.0	0.0	0.36	0.00	0.00	102.4
		-0.04	0.00	0.0	0.0	0.0	1810.00	0.00	0.00	102.4
012	G	15.37	0.00	-4.2	0.0	0.0	0.38	0.00	0.00	102.0
		-0.05	0.00	0.0	0.0	0.0	1802.51	0.00	0.00	102.0
013	G	16.15	0.00	-3.9	0.0	0.0	0.41	0.00	0.00	101.6
		-0.05	0.00	0.0	0.0	0.0	1794.63	0.00	0.00	101.6
014	G	16.93	0.00	-3.7	0.0	0.0	0.43	0.00	0.00	101.1
		-0.06	0.00	0.0	0.0	0.0	1786.36	0.00	0.00	101.1
015	G	17.71	0.00	-3.5	0.0	0.0	0.46	0.00	0.00	100.6
		-0.06	0.00	0.0	0.0	0.0	1777.70	0.00	0.00	100.6
016	G	18.49	0.00	-3.2	0.0	0.0	0.50	0.00	0.00	100.1
		-0.07	0.00	0.0	0.0	0.0	1768.65	0.00	0.00	100.1
017	G	19.28	0.00	-3.0	0.0	0.0	0.53	0.00	0.00	99.6
		-0.07	0.00	0.0	0.0	0.0	1759.20	0.00	0.00	99.6
018	G	20.06	0.00	-2.8	0.0	0.0	0.57	0.00	0.00	99.0
		-0.08	0.00	0.0	0.0	0.0	1749.37	0.00	0.00	99.0
019	G	20.84	0.00	-2.5	0.0	0.0	0.61	0.00	0.00	98.4
		-0.09	0.00	0.0	0.0	0.0	1739.15	0.00	0.00	98.4
020	G	21.62	0.00	-2.3	0.0	0.0	0.65	0.00	0.00	97.8
		-0.09	0.00	0.0	0.0	0.0	1728.53	0.00	0.00	97.8
021	G	22.40	0.00	-2.1	0.0	0.0	0.70	0.00	0.00	97.2
		-0.10	0.00	0.1	0.0	0.0	1717.53	0.00	0.00	97.2
022	G	23.18	0.00	-1.8	0.0	0.0	0.76	0.00	0.00	96.6
		-0.11	0.00	0.1	0.0	0.0	1706.14	0.00	0.00	96.6
023	G	23.96	0.00	-1.6	0.0	0.0	0.82	0.00	0.00	95.9
		-0.12	0.00	0.1	0.0	0.0	1694.35	0.00	0.00	95.9
024	G	24.74	0.00	-1.4	0.0	0.0	0.88	0.00	0.00	95.2
		-0.13	0.00	0.1	0.0	0.0	1682.18	0.00	0.00	95.2
025	G	25.52	0.00	-1.2	0.0	0.0	0.95	0.00	0.00	94.5
		-0.14	0.00	0.1	0.0	0.0	1669.61	0.00	0.00	94.5
026	G	25.13	0.00	-1.0	0.0	0.0	1.02	0.00	0.00	93.8
		-0.15	0.00	0.1	0.0	0.0	1656.95	0.00	0.00	93.8

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
027	G	19.95	0.00	-0.7	0.0	0.0	1.10	0.00	0.00	93.1
		-0.16	0.00	0.1	0.0	0.0	1645.68	0.00	0.00	93.1
028	G	14.46	0.00	-0.5	0.0	0.0	1.18	0.00	0.00	92.7
		-0.18	0.00	0.1	0.0	0.0	1637.08	0.00	0.00	92.7
029	G	8.66	0.00	-0.3	0.0	0.0	1.28	0.00	0.00	92.3
		-0.19	0.00	0.1	0.0	0.0	1631.30	0.00	0.00	92.3
030	G	2.54	0.00	-0.1	0.0	0.0	1.37	0.00	0.00	92.2
		-0.20	0.00	0.1	0.0	0.0	1628.50	0.00	0.00	92.2
Line 4 Section 40									D0092 NN0012	
000	G	0.19	0.00	-0.1	0.0	0.0	1.37	0.00	0.00	92.2
		-0.01	0.00	0.1	0.0	0.0	1628.50	0.00	0.00	92.2
001	G	0.10	0.00	0.0	0.0	0.0	1.37	0.00	0.00	92.2
		-0.02	0.00	0.1	0.0	0.0	1628.49	0.00	0.00	92.2
Line 4 Section 41									NN0012 GNA-1	
000	G	0.00	0.00	0.0	0.0	0.0	1.37	0.00	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1628.49	0.00	0.00	92.2
001	G	0.00	0.00	0.0	0.0	0.0	1.37	-0.01	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1628.49	0.00	-0.28	92.2
002	G	0.00	0.00	0.0	0.0	0.0	1.37	-0.03	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1628.49	0.00	-0.56	92.2
Line 4 Section 42									GNA-1 D0094	
000	G	0.00	0.00	0.0	0.0	0.0	1.37	-0.03	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1756.10	0.00	0.56	99.4
001	G	0.00	0.00	0.0	0.0	0.0	1.37	-0.01	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1756.10	0.00	0.28	99.4
002	G	0.00	0.00	0.0	0.0	0.0	1.37	0.00	0.00	0.4
		0.00	0.00	0.1	0.0	0.0	1756.10	0.00	0.00	99.4
Line 4 Section 43									D0094 D0095	
000	G	-0.10	0.00	0.0	0.0	0.0	1.37	0.00	0.00	99.4
		-0.02	0.00	0.1	0.0	0.0	1756.10	0.00	0.00	99.4
001	G	-0.21	0.00	0.1	0.0	0.0	1.37	0.00	0.00	99.4
		-0.02	0.00	0.1	0.0	0.0	1756.12	0.00	0.00	99.4
Line 4 Section 44									D0095 D0100	
000	G	-2.74	0.00	0.1	0.0	0.0	1.37	0.00	0.00	99.4
		-0.20	0.00	0.1	0.0	0.0	1756.12	0.00	0.00	99.4
001	G	-9.59	0.00	0.3	0.0	0.0	1.48	0.00	0.00	99.6
		-0.21	0.00	0.1	0.0	0.0	1759.20	0.00	0.00	99.6
002	G	-16.47	0.00	0.6	0.0	0.0	1.58	0.00	0.00	99.9
		-0.21	0.00	0.1	0.0	0.0	1765.72	0.00	0.00	99.9
003	G	-23.37	0.00	0.8	0.0	0.0	1.69	0.00	0.00	100.5
		-0.22	0.00	0.1	0.0	0.0	1775.68	0.00	0.00	100.5
004	G	-28.41	0.00	1.0	0.0	0.0	1.80	0.00	0.00	101.2
		-0.22	0.00	0.1	0.0	0.0	1788.62	0.00	0.00	101.2
Line 4 Section 45									D0100 D0110	
000	G	-28.41	0.00	1.0	0.0	0.0	1.80	0.00	0.00	101.2
		-0.22	0.00	0.1	0.0	0.0	1788.62	0.00	0.00	101.2
001	G	-27.55	0.00	1.3	0.0	0.0	1.90	0.00	0.00	102.0
		-0.21	0.00	0.1	0.0	0.0	1802.61	0.00	0.00	102.0
002	G	-26.69	0.00	1.5	0.0	0.0	2.01	0.00	0.00	102.8
		-0.21	0.00	0.1	0.0	0.0	1816.17	0.00	0.00	102.8
003	G	-25.85	0.00	1.8	0.0	0.0	2.11	0.00	0.00	103.5
		-0.21	0.00	0.1	0.0	0.0	1829.30	0.00	0.00	103.5
004	G	-25.01	0.00	2.0	0.0	0.0	2.22	0.00	0.00	104.3
		-0.20	0.00	0.1	0.0	0.0	1842.02	0.00	0.00	104.3
005	G	-24.18	0.00	2.2	0.0	0.0	2.31	0.00	0.00	105.0
		-0.20	0.00	0.1	0.0	0.0	1854.32	0.00	0.00	105.0
006	G	-23.35	0.00	2.5	0.0	0.0	2.41	0.00	0.00	105.6
		-0.19	0.00	0.1	0.0	0.0	1866.20	0.00	0.00	105.6
007	G	-22.53	0.00	2.7	0.0	0.0	2.51	0.00	0.00	106.3
		-0.19	0.00	0.1	0.0	0.0	1877.67	0.00	0.00	106.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
008	G	-21.72	0.00	3.0	0.0	0.0	2.60	0.00	0.00	106.9
		-0.18	0.00	0.1	0.0	0.0	1888.73	0.00	0.00	106.9
009	G	-20.91	0.00	3.2	0.0	0.0	2.69	0.00	0.00	107.5
		-0.17	0.00	0.2	0.0	0.0	1899.38	0.00	0.00	107.5
010	G	-20.11	0.00	3.5	0.0	0.0	2.77	0.00	0.00	108.1
		-0.17	0.00	0.2	0.0	0.0	1909.64	0.00	0.00	108.1
011	G	-19.32	0.00	3.7	0.0	0.0	2.85	0.00	0.00	108.6
		-0.16	0.00	0.2	0.0	0.0	1919.50	0.00	0.00	108.6
012	G	-18.54	0.00	4.0	0.0	0.0	2.94	0.00	0.00	109.2
		-0.16	0.00	0.2	0.0	0.0	1928.96	0.00	0.00	109.2
013	G	-17.76	0.00	4.3	0.0	0.0	3.01	0.00	0.00	109.7
		-0.15	0.00	0.2	0.0	0.0	1938.03	0.00	0.00	109.7
014	G	-16.99	0.00	4.5	0.0	0.0	3.09	0.00	0.00	110.2
		-0.15	0.00	0.2	0.0	0.0	1946.72	0.00	0.00	110.2
015	G	-16.23	0.00	4.8	0.0	0.0	3.16	0.00	0.00	110.7
		-0.14	0.00	0.2	0.0	0.0	1955.03	0.00	0.00	110.7
016	G	-15.48	0.00	5.0	0.0	0.0	3.24	0.00	0.00	111.1
		-0.14	0.00	0.2	0.0	0.0	1962.96	0.00	0.00	111.1
017	G	-14.74	0.00	5.3	0.0	0.0	3.30	0.00	0.00	111.5
		-0.14	0.00	0.2	0.0	0.0	1970.51	0.00	0.00	111.5
018	G	-14.01	0.00	5.6	0.0	0.0	3.37	0.00	0.00	111.9
		-0.13	0.00	0.2	0.0	0.0	1977.70	0.00	0.00	111.9
019	G	-13.29	0.00	5.8	0.0	0.0	3.43	0.00	0.00	112.3
		-0.13	0.00	0.2	0.0	0.0	1984.53	0.00	0.00	112.3
020	G	-12.59	0.00	6.1	0.0	0.0	3.50	0.00	0.00	112.7
		-0.12	0.00	0.2	0.0	0.0	1991.00	0.00	0.00	112.7
021	G	-11.89	0.00	6.3	0.0	0.0	3.56	0.00	0.00	113.0
		-0.12	0.00	0.3	0.0	0.0	1997.12	0.00	0.00	113.0
022	G	-11.20	0.00	6.6	0.0	0.0	3.61	0.00	0.00	113.4
		-0.11	0.00	0.3	0.0	0.0	2002.89	0.00	0.00	113.4
023	G	-10.53	0.00	6.9	0.0	0.0	3.67	0.00	0.00	113.7
		-0.11	0.00	0.3	0.0	0.0	2008.33	0.00	0.00	113.7
024	G	-9.87	0.00	7.1	0.0	0.0	3.72	0.00	0.00	114.0
		-0.10	0.00	0.3	0.0	0.0	2013.43	0.00	0.00	114.0
025	G	-9.23	0.00	7.4	0.0	0.0	3.77	0.00	0.00	114.2
		-0.10	0.00	0.3	0.0	0.0	2018.20	0.00	0.00	114.2
026	G	-8.59	0.00	7.7	0.0	0.0	3.82	0.00	0.00	114.5
		-0.09	0.00	0.3	0.0	0.0	2022.66	0.00	0.00	114.5
027	G	-7.98	0.00	7.9	0.0	0.0	3.86	0.00	0.00	114.7
		-0.09	0.00	0.3	0.0	0.0	2026.80	0.00	0.00	114.7
028	G	-7.38	0.00	8.2	0.0	0.0	3.91	0.00	0.00	114.9
		-0.08	0.00	0.3	0.0	0.0	2030.64	0.00	0.00	114.9
029	G	-6.79	0.00	8.5	0.0	0.0	3.95	0.00	0.00	115.1
		-0.08	0.00	0.3	0.0	0.0	2034.18	0.00	0.00	115.1
030	G	-6.22	0.00	8.8	0.0	0.0	3.98	0.00	0.00	115.3
		-0.07	0.00	0.4	0.0	0.0	2037.43	0.00	0.00	115.3
031	G	-5.67	0.00	9.0	0.0	0.0	4.02	0.00	0.00	115.5
		-0.07	0.00	0.4	0.0	0.0	2040.41	0.00	0.00	115.5
032	G	-5.14	0.00	9.3	0.0	0.0	4.05	0.00	0.00	115.6
		-0.06	0.00	0.4	0.0	0.0	2043.11	0.00	0.00	115.6
033	G	-4.62	0.00	9.6	0.0	0.0	4.08	0.00	0.00	115.8
		-0.06	0.00	0.4	0.0	0.0	2045.55	0.00	0.00	115.8
034	G	-4.13	0.00	9.8	0.0	0.0	4.11	0.00	0.00	115.9
		-0.06	0.00	0.4	0.0	0.0	2047.74	0.00	0.00	115.9
035	G	-3.65	0.00	10.1	0.0	0.0	4.14	0.00	0.00	116.0
		-0.05	0.00	0.4	0.0	0.0	2049.68	0.00	0.00	116.0
036	G	-3.20	0.00	10.4	0.0	0.0	4.16	0.00	0.00	116.1
		-0.05	0.00	0.4	0.0	0.0	2051.39	0.00	0.00	116.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 46							D0110	D0115	
000	G	-3.20	0.00	10.4	0.0	0.0	4.16	0.00	0.00	116.1	
		-0.05	0.00	0.4	0.0	0.0	2051.39	0.00	0.00	116.1	
001	G	-3.17	0.00	10.7	0.0	0.0	4.19	0.00	0.00	116.2	
		-0.05	0.00	0.4	0.0	0.0	2052.99	0.00	0.00	116.2	
002	G	-3.14	0.00	10.9	0.0	0.0	4.21	0.00	0.00	116.3	
		-0.05	0.00	0.4	0.0	0.0	2054.56	0.00	0.00	116.3	
003	G	-3.10	0.00	11.2	0.0	0.0	4.23	0.00	0.00	116.4	
		-0.05	0.00	0.5	0.0	0.0	2056.12	0.00	0.00	116.4	
004	G	-3.05	0.00	11.5	0.0	0.0	4.26	0.00	0.00	116.5	
		-0.05	0.00	0.5	0.0	0.0	2057.65	0.00	0.00	116.5	
005	G	-3.00	0.00	11.7	0.0	0.0	4.28	0.00	0.00	116.6	
		-0.05	0.00	0.5	0.0	0.0	2059.17	0.00	0.00	116.5	
006	G	-2.94	0.00	12.0	0.0	0.0	4.31	0.00	0.00	116.6	
		-0.05	0.00	0.5	0.0	0.0	2060.65	0.00	0.00	116.6	
007	G	-2.87	0.00	12.3	0.0	0.0	4.34	0.00	0.00	116.7	
		-0.05	0.00	0.5	0.0	0.0	2062.10	0.00	0.00	116.7	
008	G	-2.80	0.00	12.6	0.0	0.0	4.37	0.00	0.00	116.8	
		-0.06	0.00	0.5	0.0	0.0	2063.52	0.00	0.00	116.8	
009	G	-2.72	0.00	12.8	0.0	0.0	4.39	0.00	0.00	116.9	
		-0.06	0.00	0.5	0.0	0.0	2064.90	0.00	0.00	116.9	
010	G	-2.63	0.00	13.1	0.0	0.0	4.42	0.00	0.00	117.0	
		-0.06	0.00	0.5	0.0	0.0	2066.24	0.00	0.00	116.9	
011	G	-2.53	0.00	13.4	0.0	0.0	4.45	0.00	0.00	117.0	
		-0.06	0.00	0.6	0.0	0.0	2067.53	0.00	0.00	117.0	
012	G	-2.43	0.00	13.7	0.0	0.0	4.48	0.00	0.00	117.1	
		-0.06	0.00	0.6	0.0	0.0	2068.77	0.00	0.00	117.1	
013	G	-2.31	0.00	13.9	0.0	0.0	4.51	0.00	0.00	117.2	
		-0.06	0.00	0.6	0.0	0.0	2069.96	0.00	0.00	117.2	
014	G	-2.19	0.00	14.2	0.0	0.0	4.54	0.00	0.00	117.2	
		-0.06	0.00	0.6	0.0	0.0	2071.08	0.00	0.00	117.2	
015	G	-2.06	0.00	14.5	0.0	0.0	4.57	0.00	0.00	117.3	
		-0.06	0.00	0.6	0.0	0.0	2072.14	0.00	0.00	117.3	
016	G	-1.92	0.00	14.8	0.0	0.0	4.61	0.00	0.00	117.3	
		-0.07	0.00	0.6	0.0	0.0	2073.14	0.00	0.00	117.3	
017	G	-1.77	0.00	15.0	0.0	0.0	4.64	0.00	0.00	117.4	
		-0.07	0.00	0.6	0.0	0.0	2074.06	0.00	0.00	117.4	
018	G	-1.60	0.00	15.3	0.0	0.0	4.67	0.00	0.00	117.4	
		-0.07	0.00	0.6	0.0	0.0	2074.90	0.00	0.00	117.4	
019	G	-1.43	0.00	15.6	0.0	0.0	4.71	0.00	0.00	117.5	
		-0.07	0.00	0.7	0.0	0.0	2075.66	0.00	0.00	117.5	
020	G	-1.25	0.00	15.9	0.0	0.0	4.74	0.00	0.00	117.5	
		-0.07	0.00	0.7	0.0	0.0	2076.33	0.00	0.00	117.5	
021	G	-1.05	0.00	16.1	0.0	0.0	4.78	0.00	0.00	117.6	
		-0.07	0.00	0.7	0.0	0.0	2076.90	0.00	0.00	117.5	
022	G	-0.85	0.00	16.4	0.0	0.0	4.82	0.00	0.00	117.6	
		-0.07	0.00	0.7	0.0	0.0	2077.38	0.00	0.00	117.6	
023	G	-0.63	0.00	16.7	0.0	0.0	4.85	0.00	0.00	117.6	
		-0.08	0.00	0.7	0.0	0.0	2077.75	0.00	0.00	117.6	
024	G	-0.39	0.00	17.0	0.0	0.0	4.89	0.00	0.00	117.6	
		-0.08	0.00	0.7	0.0	0.0	2078.00	0.00	0.00	117.6	
025	G	-0.15	0.00	17.2	0.0	0.0	4.93	0.00	0.00	117.6	
		-0.08	0.00	0.7	0.0	0.0	2078.14	0.00	0.00	117.6	
026	G	0.11	0.00	17.5	0.0	0.0	4.97	0.00	0.00	117.6	
		-0.08	0.00	0.8	0.0	0.0	2078.15	0.00	0.00	117.6	
027	G	0.38	0.00	17.8	0.0	0.0	5.01	0.00	0.00	117.6	
		-0.08	0.00	0.8	0.0	0.0	2078.02	0.00	0.00	117.6	
028	G	0.67	0.00	18.1	0.0	0.0	5.05	0.00	0.00	117.6	
		-0.08	0.00	0.8	0.0	0.0	2077.76	0.00	0.00	117.6	
029	G	0.98	0.00	18.3	0.0	0.0	5.09	0.00	0.00	117.6	
		-0.08	0.00	0.8	0.0	0.0	2077.35	0.00	0.00	117.6	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	1.30	0.00	18.6	0.0	0.0	5.13	0.00	0.00	117.6
		-0.09	0.00	0.8	0.0	0.0	2076.78	0.00	0.00	117.5
031	G	1.64	0.00	18.9	0.0	0.0	5.18	0.00	0.00	117.5
		-0.09	0.00	0.8	0.0	0.0	2076.05	0.00	0.00	117.5
032	G	1.99	0.00	19.2	0.0	0.0	5.22	0.00	0.00	117.5
		-0.09	0.00	0.8	0.0	0.0	2075.14	0.00	0.00	117.4
033	G	2.36	0.00	19.4	0.0	0.0	5.27	0.00	0.00	117.4
		-0.09	0.00	0.9	0.0	0.0	2074.05	0.00	0.00	117.4
034	G	2.76	0.00	19.7	0.0	0.0	5.31	0.00	0.00	117.3
		-0.09	0.00	0.9	0.0	0.0	2072.77	0.00	0.00	117.3
035	G	3.17	0.00	20.0	0.0	0.0	5.36	0.00	0.00	117.2
		-0.09	0.00	0.9	0.0	0.0	2071.29	0.00	0.00	117.2
036	G	3.60	0.00	20.3	0.0	0.0	5.40	0.00	0.00	117.1
		-0.09	0.00	0.9	0.0	0.0	2069.60	0.00	0.00	117.1
037	G	4.06	0.00	20.5	0.0	0.0	5.45	0.00	0.00	117.0
		-0.10	0.00	0.9	0.0	0.0	2067.69	0.00	0.00	117.0
038	G	4.53	0.00	20.8	0.0	0.0	5.50	0.00	0.00	116.9
		-0.10	0.00	0.9	0.0	0.0	2065.54	0.00	0.00	116.9
039	G	5.03	0.00	21.1	0.0	0.0	5.55	0.00	0.00	116.8
		-0.10	0.00	0.9	0.0	0.0	2063.15	0.00	0.00	116.8
040	G	5.56	0.00	21.4	0.0	0.0	5.60	0.00	0.00	116.6
		-0.10	0.00	1.0	0.0	0.0	2060.50	0.00	0.00	116.6
041	G	6.11	0.00	21.6	0.0	0.0	5.65	0.00	0.00	116.5
		-0.10	0.00	1.0	0.0	0.0	2057.59	0.00	0.00	116.5
042	G	6.68	0.00	21.9	0.0	0.0	5.70	0.00	0.00	116.3
		-0.10	0.00	1.0	0.0	0.0	2054.39	0.00	0.00	116.3
043	G	7.29	0.00	22.2	0.0	0.0	5.75	0.00	0.00	116.1
		-0.11	0.00	1.0	0.0	0.0	2050.90	0.00	0.00	116.1
044	G	7.92	0.00	22.4	0.0	0.0	5.81	0.00	0.00	115.9
		-0.11	0.00	1.0	0.0	0.0	2047.10	0.00	0.00	115.9
045	G	8.58	0.00	22.7	0.0	0.0	5.86	0.00	0.00	115.6
		-0.11	0.00	1.0	0.0	0.0	2042.98	0.00	0.00	115.6
046	G	9.27	0.00	23.0	0.0	0.0	5.92	0.00	0.00	115.4
		-0.11	0.00	1.1	0.0	0.0	2038.52	0.00	0.00	115.4
047	G	10.00	0.00	23.3	0.0	0.0	5.97	0.00	0.00	115.1
		-0.11	0.00	1.1	0.0	0.0	2033.70	0.00	0.00	115.1
048	G	10.76	0.00	23.5	0.0	0.0	6.03	0.00	0.00	114.8
		-0.11	0.00	1.1	0.0	0.0	2028.51	0.00	0.00	114.8
049	G	11.56	0.00	23.8	0.0	0.0	6.09	0.00	0.00	114.5
		-0.12	0.00	1.1	0.0	0.0	2022.94	0.00	0.00	114.5
050	G	12.39	0.00	24.1	0.0	0.0	6.15	0.00	0.00	114.2
		-0.12	0.00	1.1	0.0	0.0	2016.95	0.00	0.00	114.2
051	G	13.26	0.00	24.3	0.0	0.0	6.21	0.00	0.00	113.8
		-0.12	0.00	1.1	0.0	0.0	2010.55	0.00	0.00	113.8
052	G	13.97	0.00	24.6	0.0	0.0	6.27	0.00	0.00	113.4
		-0.12	0.00	1.2	0.0	0.0	2003.74	0.00	0.00	113.4
053	G	14.16	0.00	24.9	0.0	0.0	6.32	0.00	0.00	113.0
		-0.12	0.00	1.2	0.0	0.0	1996.71	0.00	0.00	113.0
054	G	14.30	0.00	25.1	0.0	0.0	6.38	0.00	0.00	112.6
		-0.11	0.00	1.2	0.0	0.0	1989.60	0.00	0.00	112.6
055	G	14.44	0.00	25.4	0.0	0.0	6.44	0.00	0.00	112.2
		-0.11	0.00	1.2	0.0	0.0	1982.42	0.00	0.00	112.2
056	G	14.57	0.00	25.6	0.0	0.0	6.49	0.00	0.00	111.8
		-0.10	0.00	1.2	0.0	0.0	1975.18	0.00	0.00	111.8
057	G	14.71	0.00	25.9	0.0	0.0	6.54	0.00	0.00	111.4
		-0.10	0.00	1.2	0.0	0.0	1967.86	0.00	0.00	111.4
058	G	14.85	0.00	26.2	0.0	0.0	6.59	0.00	0.00	111.0
		-0.10	0.00	1.3	0.0	0.0	1960.47	0.00	0.00	111.0
059	G	14.98	0.00	26.4	0.0	0.0	6.64	0.00	0.00	110.6
		-0.09	0.00	1.3	0.0	0.0	1953.02	0.00	0.00	110.5

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	15.12	0.00	26.7	0.0	0.0	6.68	0.00	0.00	110.1
		-0.09	0.00	1.3	0.0	0.0	1945.50	0.00	0.00	110.1
061	G	15.26	0.00	26.9	0.0	0.0	6.72	0.00	0.00	109.7
		-0.09	0.00	1.3	0.0	0.0	1937.91	0.00	0.00	109.7
062	G	15.39	0.00	27.2	0.0	0.0	6.77	0.00	0.00	109.3
		-0.08	0.00	1.3	0.0	0.0	1930.25	0.00	0.00	109.2
063	G	15.53	0.00	27.5	0.0	0.0	6.81	0.00	0.00	108.8
		-0.08	0.00	1.4	0.0	0.0	1922.52	0.00	0.00	108.8
064	G	15.67	0.00	27.7	0.0	0.0	6.85	0.00	0.00	108.4
		-0.08	0.00	1.4	0.0	0.0	1914.73	0.00	0.00	108.4
065	G	15.81	0.00	28.0	0.0	0.0	6.88	0.00	0.00	107.9
		-0.07	0.00	1.4	0.0	0.0	1906.86	0.00	0.00	107.9
066	G	15.94	0.00	28.2	0.0	0.0	6.92	0.00	0.00	107.5
		-0.07	0.00	1.4	0.0	0.0	1898.93	0.00	0.00	107.5
067	G	16.08	0.00	28.5	0.0	0.0	6.95	0.00	0.00	107.0
		-0.07	0.00	1.4	0.0	0.0	1890.93	0.00	0.00	107.0
068	G	16.22	0.00	28.7	0.0	0.0	6.99	0.00	0.00	106.6
		-0.06	0.00	1.5	0.0	0.0	1882.85	0.00	0.00	106.6
069	G	16.36	0.00	29.0	0.0	0.0	7.02	0.00	0.00	106.1
		-0.06	0.00	1.5	0.0	0.0	1874.71	0.00	0.00	106.1
070	G	16.50	0.00	29.2	0.0	0.0	7.05	0.00	0.00	105.7
		-0.06	0.00	1.5	0.0	0.0	1866.50	0.00	0.00	105.6
071	G	16.64	0.00	29.5	0.0	0.0	7.07	0.00	0.00	105.2
		-0.05	0.00	1.5	0.0	0.0	1858.22	0.00	0.00	105.2
072	G	16.77	0.00	29.7	0.0	0.0	7.10	0.00	0.00	104.7
		-0.05	0.00	1.5	0.0	0.0	1849.88	0.00	0.00	104.7
073	G	16.91	0.00	29.9	0.0	0.0	7.13	0.00	0.00	104.2
		-0.05	0.00	1.6	0.0	0.0	1841.46	0.00	0.00	104.2
074	G	17.05	0.00	30.2	0.0	0.0	7.15	0.00	0.00	103.8
		-0.05	0.00	1.6	0.0	0.0	1832.97	0.00	0.00	103.7
075	G	17.19	0.00	30.4	0.0	0.0	7.17	0.00	0.00	103.3
		-0.04	0.00	1.6	0.0	0.0	1824.41	0.00	0.00	103.3
076	G	17.33	0.00	30.7	0.0	0.0	7.19	0.00	0.00	102.8
		-0.04	0.00	1.6	0.0	0.0	1815.79	0.00	0.00	102.8
077	G	17.47	0.00	30.9	0.0	0.0	7.21	0.00	0.00	102.3
		-0.04	0.00	1.6	0.0	0.0	1807.09	0.00	0.00	102.3
078	G	17.61	0.00	31.2	0.0	0.0	7.23	0.00	0.00	101.8
		-0.03	0.00	1.7	0.0	0.0	1798.33	0.00	0.00	101.8
079	G	17.75	0.00	31.4	0.0	0.0	7.24	0.00	0.00	101.3
		-0.03	0.00	1.7	0.0	0.0	1789.49	0.00	0.00	101.3
080	G	17.89	0.00	31.6	0.0	0.0	7.26	0.00	0.00	100.8
		-0.03	0.00	1.7	0.0	0.0	1780.59	0.00	0.00	100.8
081	G	18.03	0.00	31.9	0.0	0.0	7.27	0.00	0.00	100.3
		-0.02	0.00	1.7	0.0	0.0	1771.61	0.00	0.00	100.3
082	G	18.17	0.00	32.1	0.0	0.0	7.28	0.00	0.00	99.8
		-0.02	0.00	1.7	0.0	0.0	1762.57	0.00	0.00	99.8
083	G	18.31	0.00	32.3	0.0	0.0	7.29	0.00	0.00	99.3
		-0.02	0.00	1.8	0.0	0.0	1753.45	0.00	0.00	99.2
084	G	18.45	0.00	32.6	0.0	0.0	7.29	0.00	0.00	98.7
		-0.01	0.00	1.8	0.0	0.0	1744.27	0.00	0.00	98.7
085	G	18.59	0.00	32.8	0.0	0.0	7.30	0.00	0.00	98.2
		-0.01	0.00	1.8	0.0	0.0	1735.01	0.00	0.00	98.2
086	G	18.73	0.00	33.0	0.0	0.0	7.30	0.00	0.00	97.7
		0.00	0.00	1.8	0.0	0.0	1725.69	0.00	0.00	97.7
087	G	18.87	0.00	33.2	0.0	0.0	7.30	0.00	0.00	97.2
		0.00	0.00	1.8	0.0	0.0	1716.29	0.00	0.00	97.1
088	G	19.01	0.00	33.5	0.0	0.0	7.30	0.00	0.00	96.6
		0.00	0.00	1.9	0.0	0.0	1706.83	0.00	0.00	96.6
089	G	19.15	0.00	33.7	0.0	0.0	7.30	0.00	0.00	96.1
		0.01	0.00	1.9	0.0	0.0	1697.29	0.00	0.00	96.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
090	G	19.29	0.00	33.9	0.0	0.0	7.30	0.00	0.00	95.5
		0.01	0.00	1.9	0.0	0.0	1687.69	0.00	0.00	95.5
091	G	19.43	0.00	34.1	0.0	0.0	7.29	0.00	0.00	95.0
		0.01	0.00	1.9	0.0	0.0	1678.01	0.00	0.00	95.0
092	G	19.57	0.00	34.4	0.0	0.0	7.28	0.00	0.00	94.4
		0.02	0.00	1.9	0.0	0.0	1668.27	0.00	0.00	94.4
093	G	19.71	0.00	34.6	0.0	0.0	7.27	0.00	0.00	93.9
		0.02	0.00	2.0	0.0	0.0	1658.45	0.00	0.00	93.9
094	G	19.85	0.00	34.8	0.0	0.0	7.26	0.00	0.00	93.3
		0.03	0.00	2.0	0.0	0.0	1648.56	0.00	0.00	93.3
095	G	19.99	0.00	35.0	0.0	0.0	7.24	0.00	0.00	92.8
		0.03	0.00	2.0	0.0	0.0	1638.61	0.00	0.00	92.7
096	G	20.14	0.00	35.2	0.0	0.0	7.23	0.00	0.00	92.2
		0.03	0.00	2.0	0.0	0.0	1628.58	0.00	0.00	92.2
097	G	20.28	0.00	35.5	0.0	0.0	7.21	0.00	0.00	91.6
		0.04	0.00	2.0	0.0	0.0	1618.48	0.00	0.00	91.6
098	G	20.42	0.00	35.7	0.0	0.0	7.19	0.00	0.00	91.1
		0.04	0.00	2.1	0.0	0.0	1608.31	0.00	0.00	91.0
099	G	20.56	0.00	35.9	0.0	0.0	7.17	0.00	0.00	90.5
		0.05	0.00	2.1	0.0	0.0	1598.07	0.00	0.00	90.4
100	G	20.70	0.00	36.1	0.0	0.0	7.14	0.00	0.00	89.9
		0.05	0.00	2.1	0.0	0.0	1587.76	0.00	0.00	89.9
101	G	20.84	0.00	36.3	0.0	0.0	7.11	0.00	0.00	89.3
		0.06	0.00	2.1	0.0	0.0	1577.38	0.00	0.00	89.3
102	G	20.98	0.00	36.5	0.0	0.0	7.08	0.00	0.00	88.7
		0.06	0.00	2.1	0.0	0.0	1566.93	0.00	0.00	88.7
103	G	21.13	0.00	36.7	0.0	0.0	7.05	0.00	0.00	88.1
		0.07	0.00	2.2	0.0	0.0	1556.41	0.00	0.00	88.1
104	G	21.27	0.00	36.9	0.0	0.0	7.02	0.00	0.00	87.5
		0.07	0.00	2.2	0.0	0.0	1545.82	0.00	0.00	87.5
105	G	21.41	0.00	37.1	0.0	0.0	6.98	0.00	0.00	86.9
		0.07	0.00	2.2	0.0	0.0	1535.15	0.00	0.00	86.9
106	G	21.55	0.00	37.3	0.0	0.0	6.94	0.00	0.00	86.3
		0.08	0.00	2.2	0.0	0.0	1524.42	0.00	0.00	86.3
107	G	21.69	0.00	37.5	0.0	0.0	6.90	0.00	0.00	85.7
		0.08	0.00	2.2	0.0	0.0	1513.61	0.00	0.00	85.7
108	G	21.83	0.00	37.7	0.0	0.0	6.86	0.00	0.00	85.1
		0.09	0.00	2.3	0.0	0.0	1502.74	0.00	0.00	85.1
109	G	21.98	0.00	37.9	0.0	0.0	6.81	0.00	0.00	84.5
		0.09	0.00	2.3	0.0	0.0	1491.79	0.00	0.00	84.4
110	G	22.12	0.00	38.1	0.0	0.0	6.77	0.00	0.00	83.8
		0.10	0.00	2.3	0.0	0.0	1480.77	0.00	0.00	83.8
111	G	22.26	0.00	38.3	0.0	0.0	6.71	0.00	0.00	83.2
		0.10	0.00	2.3	0.0	0.0	1469.68	0.00	0.00	83.2
112	G	22.40	0.00	38.5	0.0	0.0	6.66	-0.01	0.00	82.6
		0.11	0.00	2.3	0.0	0.0	1458.52	0.00	0.00	82.6
113	G	22.54	0.00	38.7	0.0	0.0	6.60	-0.01	0.00	81.9
		0.12	0.00	2.3	0.0	0.0	1447.29	0.00	0.00	81.9
114	G	22.68	0.00	38.9	0.0	0.0	6.55	-0.01	0.00	81.3
		0.12	0.00	2.4	0.0	0.0	1435.99	0.00	0.00	81.3
115	G	22.83	0.00	39.1	0.0	0.0	6.48	-0.01	0.00	80.7
		0.13	0.00	2.4	0.0	0.0	1424.62	0.00	0.00	80.6
116	G	22.97	0.00	39.3	0.0	0.0	6.42	-0.01	0.00	80.0
		0.13	0.00	2.4	0.0	0.0	1413.18	0.00	0.00	80.0
117	G	23.11	0.00	39.5	0.0	0.0	6.35	-0.01	0.00	79.4
		0.14	0.00	2.4	0.0	0.0	1401.66	0.00	0.00	79.3
118	G	23.25	0.00	39.7	0.0	0.0	6.28	-0.01	0.00	78.7
		0.14	0.00	2.4	0.0	0.0	1390.08	0.00	0.00	78.7
119	G	23.40	0.00	39.8	0.0	0.0	6.21	-0.01	0.00	78.0
		0.15	0.00	2.5	0.0	0.0	1378.42	0.00	0.00	78.0

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
120	G	23.54	0.00	40.0	0.0	0.0	6.14	-0.01	0.00	77.4
		0.15	0.00	2.5	0.0	0.0	1366.69	0.00	0.00	77.4
121	G	23.68	0.00	40.2	0.0	0.0	6.06	-0.01	0.00	76.7
		0.16	0.00	2.5	0.0	0.0	1354.89	0.00	0.00	76.7
122	G	23.82	0.00	40.4	0.0	0.0	5.98	-0.01	0.00	76.0
		0.17	0.00	2.5	0.0	0.0	1343.02	0.00	0.00	76.0
123	G	23.97	0.00	40.6	0.0	0.0	5.89	-0.01	0.00	75.4
		0.17	0.00	2.5	0.0	0.0	1331.08	0.00	0.00	75.3
124	G	24.11	0.00	40.7	0.0	0.0	5.81	-0.01	0.00	74.7
		0.18	0.00	2.5	0.0	0.0	1319.07	0.00	0.01	74.7
125	G	24.25	0.00	40.9	0.0	0.0	5.72	-0.01	0.00	74.0
		0.18	0.00	2.6	0.0	0.0	1306.98	0.00	0.01	74.0
126	G	24.39	0.00	41.1	0.0	0.0	5.62	0.00	0.00	73.3
		0.19	0.01	2.6	0.0	0.0	1294.83	0.00	0.01	73.3
127	G	24.54	0.00	41.2	0.0	0.0	5.53	0.00	0.00	72.6
		0.20	0.01	2.6	0.0	0.0	1282.60	0.00	0.01	72.6
128	G	24.68	0.00	41.4	0.0	0.0	5.43	0.01	0.00	71.9
		0.20	0.01	2.6	0.0	0.0	1270.30	0.00	0.02	71.9
129	G	24.82	0.00	41.6	0.0	0.0	5.32	0.02	0.00	71.2
		0.21	0.01	2.6	0.0	0.0	1257.93	0.00	0.02	71.2
130	G	24.97	0.00	41.8	0.0	0.0	5.22	0.03	0.00	70.5
		0.21	0.01	2.6	0.0	0.0	1245.49	0.00	0.02	70.5
131	G	25.11	0.00	41.9	0.0	0.0	5.11	0.04	0.00	69.8
		0.22	0.01	2.6	0.0	0.0	1232.98	0.00	0.03	69.8
132	G	25.25	0.00	42.1	0.0	0.0	5.00	0.06	0.00	69.1
		0.23	0.01	2.7	0.0	0.0	1220.40	0.00	0.03	69.1
133	G	25.39	0.00	42.2	0.0	0.0	4.88	0.07	0.00	68.4
		0.23	0.01	2.7	0.0	0.0	1207.74	0.00	0.03	68.4
134	G	25.54	0.00	42.4	0.0	0.0	4.76	0.09	0.00	67.7
		0.24	0.01	2.7	0.0	0.0	1195.02	0.00	0.04	67.6
135	G	25.68	0.00	42.6	0.0	0.0	4.64	0.11	0.00	67.0
		0.25	0.01	2.7	0.0	0.0	1182.22	0.00	0.04	66.9
136	G	25.82	0.00	42.7	0.0	0.0	4.52	0.13	0.00	66.2
		0.25	0.01	2.7	0.0	0.0	1169.35	0.00	0.05	66.2
137	G	25.96	0.00	42.9	0.0	0.0	4.39	0.16	0.00	65.5
		0.26	0.00	2.7	0.0	0.0	1156.41	0.00	0.05	65.5
138	G	26.11	0.00	43.0	0.0	0.0	4.25	0.18	0.00	64.8
		0.27	0.00	2.7	0.0	0.0	1143.40	0.00	0.05	64.7
139	G	26.25	0.00	43.2	0.0	0.0	4.12	0.20	0.00	64.1
		0.28	0.00	2.7	0.0	0.0	1130.32	0.00	0.05	64.0
140	G	26.39	0.00	43.3	0.0	0.0	3.98	0.23	0.00	63.3
		0.28	0.01	2.8	0.0	0.0	1117.16	0.00	0.05	63.2
141	G	26.54	0.00	43.5	0.0	0.0	3.83	0.25	0.00	62.6
		0.29	0.01	2.8	0.0	0.0	1103.94	0.00	0.04	62.5
142	G	26.68	0.00	43.6	0.0	0.0	3.69	0.27	0.00	61.8
		0.30	0.02	2.8	0.0	0.0	1090.64	0.00	0.03	61.7
143	G	26.83	0.00	43.8	0.0	0.0	3.54	0.28	0.00	61.1
		0.30	0.03	2.8	0.0	0.0	1077.27	0.00	0.02	61.0
144	G	26.98	0.00	43.9	0.0	0.0	3.38	0.29	0.00	60.3
		0.31	0.04	2.8	0.0	0.0	1063.82	0.00	0.01	60.2
145	G	27.12	0.00	44.0	0.0	0.0	3.23	0.29	0.00	59.5
		0.32	0.05	2.8	0.0	0.0	1050.30	0.00	-0.02	59.4
146	G	27.27	0.00	44.2	0.0	0.0	3.06	0.27	0.00	58.8
		0.33	0.06	2.8	0.0	0.0	1036.71	0.00	-0.04	58.7
147	G	27.42	0.00	44.3	0.0	0.0	2.90	0.25	0.00	58.0
		0.34	0.07	2.8	0.0	0.0	1023.04	0.00	-0.07	57.9
148	G	27.57	0.00	44.4	0.0	0.0	2.73	0.20	0.00	57.2
		0.34	0.09	2.8	0.0	0.0	1009.30	0.00	-0.11	57.1
149	G	27.72	0.00	44.6	0.0	0.0	2.55	0.13	0.00	56.4
		0.35	0.10	2.8	0.0	0.0	995.49	0.00	-0.16	56.3

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
150	G	27.87	0.00	44.7	0.0	0.0	2.38	0.04	0.00	55.6
		0.36	0.12	2.8	0.0	0.0	981.60	0.00	-0.21	55.6
151	G	28.02	0.00	44.8	0.0	0.0	2.20	-0.08	0.00	54.8
		0.37	0.13	2.9	0.0	0.0	967.63	0.00	-0.28	54.8
152	G	28.17	0.00	45.0	0.0	0.0	2.01	-0.24	0.00	54.1
		0.38	0.15	2.9	0.0	0.0	953.60	0.00	-0.35	54.0
153	G	28.32	0.00	45.1	0.0	0.0	1.82	-0.43	0.00	53.3
		0.38	0.16	2.9	0.0	0.0	939.48	0.00	-0.42	53.2
154	G	28.46	0.00	45.2	0.0	0.0	1.63	-0.66	0.00	52.6
		0.39	0.17	2.9	0.0	0.0	925.29	0.00	-0.51	52.4
155	G	28.61	0.00	45.3	0.0	0.0	1.43	-0.93	0.00	51.9
		0.40	0.18	2.9	0.0	0.0	911.03	0.00	-0.60	51.6
156	G	28.76	0.00	45.5	0.0	0.0	1.23	-1.26	0.00	51.2
		0.41	0.19	2.9	0.0	0.0	896.70	0.00	-0.69	50.8
157	G	28.90	0.00	45.6	0.0	0.0	1.02	-1.63	0.00	50.5
		0.42	0.19	2.9	0.0	0.0	882.29	0.00	-0.78	49.9
158	G	29.04	0.00	45.7	0.0	0.0	0.81	-2.04	0.00	49.8
		0.43	0.18	2.9	0.0	0.0	867.82	0.00	-0.88	49.1
159	G	29.17	0.00	45.8	0.0	0.0	0.59	-2.50	0.00	49.1
		0.43	0.16	2.9	0.0	0.0	853.27	0.00	-0.96	48.3
160	G	29.31	0.00	45.9	0.0	0.0	0.37	-3.00	0.00	48.4
		0.44	0.13	2.9	0.0	0.0	838.66	0.00	-1.04	47.5
161	G	29.43	0.00	46.0	0.0	0.0	0.15	-3.54	0.00	47.8
		0.45	0.09	2.9	0.0	0.0	823.98	0.00	-1.09	46.6
162	G	29.55	0.00	46.1	0.0	0.0	-0.08	-4.09	0.00	47.1
		0.46	0.03	2.9	0.0	0.0	809.24	0.00	-1.12	45.8
Line 4 Section 47									D0115 D0120	
000	G	2.24	0.00	46.1	0.0	0.0	-0.08	-4.09	0.00	47.1
		0.03	0.00	2.9	0.0	0.0	809.24	0.00	-1.12	45.8
001	G	2.24	0.00	46.2	0.0	0.0	-0.08	-4.20	0.00	47.2
		0.03	0.00	2.9	0.0	0.0	809.02	0.00	-1.12	45.8
Line 4 Section 48									D0120 D0125	
000	G	0.00	0.00	46.2	0.0	0.0	-0.08	-4.20	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	809.02	0.00	-1.12	45.8
001	G	0.00	0.00	46.2	0.0	0.0	-0.08	-4.27	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	809.02	0.00	-1.40	45.8
002	G	0.00	0.00	46.2	0.0	0.0	-0.08	-4.34	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	809.02	0.00	-1.68	45.8
Line 4 Section 49									D0125 D0130	
000	G	0.00	0.00	46.2	0.0	0.0	-0.08	-4.34	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	802.18	0.00	11.80	45.4
001	G	0.00	0.00	46.6	0.0	0.1	-0.08	8.07	0.00	2.6
		0.00	0.00	2.9	0.0	0.0	802.18	0.00	0.00	45.4
002	G	0.00	0.00	47.1	0.0	0.0	-0.08	-4.34	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	802.18	0.00	-11.79	45.4
Line 4 Section 50									D0130 D0132	
000	G	0.00	0.00	47.1	0.0	0.0	-0.08	-4.34	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	795.35	0.00	1.68	45.0
001	G	0.00	0.00	47.1	0.0	0.0	-0.08	-4.26	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	795.35	0.00	1.40	45.0
002	G	0.00	0.00	47.1	0.0	0.0	-0.08	-4.20	0.00	1.4
		0.00	0.00	2.9	0.0	0.0	795.35	0.00	1.12	45.0
Line 4 Section 51									D0132 D0133	
000	G	21.86	0.00	47.1	0.0	0.0	-0.08	-4.20	0.00	46.4
		0.38	0.01	2.9	0.0	0.0	795.35	0.00	1.12	45.0
001	G	21.86	0.00	47.1	0.0	0.0	-0.12	-4.09	0.00	46.2
		0.38	0.03	2.9	0.0	0.0	793.16	0.00	1.12	44.9

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line	4	Section 52							D0133	D0135	
000	G	21.86	0.00	47.1	0.0	0.0	-0.12	-4.09	0.00	46.2	
		0.38	0.03	2.9	0.0	0.0	793.16	0.00	1.12	44.9	
001	G	22.00	0.00	47.2	0.0	0.0	-0.31	-3.53	0.00	45.4	
		0.39	0.09	2.9	0.0	0.0	782.22	0.00	1.09	44.3	
002	G	22.14	0.00	47.3	0.0	0.0	-0.50	-3.00	0.00	44.6	
		0.39	0.13	2.9	0.0	0.0	771.21	0.00	1.03	43.6	
003	G	22.27	0.00	47.4	0.0	0.0	-0.70	-2.50	0.00	43.8	
		0.40	0.16	2.9	0.0	0.0	760.13	0.00	0.96	43.0	
004	G	22.40	0.00	47.5	0.0	0.0	-0.90	-2.04	0.00	43.1	
		0.40	0.18	2.9	0.0	0.0	748.98	0.00	0.87	42.4	
005	G	22.52	0.00	47.6	0.0	0.0	-1.10	-1.63	0.00	42.3	
		0.41	0.19	2.9	0.0	0.0	737.78	0.00	0.78	41.8	
006	G	22.64	0.00	47.7	0.0	0.0	-1.31	-1.26	0.00	41.5	
		0.42	0.19	2.9	0.0	0.0	726.51	0.00	0.69	41.1	
007	G	22.76	0.00	47.8	0.0	0.0	-1.52	-0.94	0.00	40.8	
		0.42	0.18	2.9	0.0	0.0	715.19	0.00	0.60	40.5	
008	G	22.87	0.00	47.9	0.0	0.0	-1.73	-0.67	0.00	40.1	
		0.43	0.17	2.9	0.0	0.0	703.81	0.00	0.51	39.8	
009	G	22.99	0.00	48.0	0.0	0.0	-1.95	-0.44	0.00	39.3	
		0.43	0.16	2.9	0.0	0.0	692.37	0.00	0.42	39.2	
010	G	23.10	0.00	48.1	0.0	0.0	-2.17	-0.24	0.00	38.6	
		0.44	0.15	2.9	0.0	0.0	680.87	0.00	0.35	38.5	
011	G	23.21	0.00	48.2	0.0	0.0	-2.39	-0.09	0.00	37.9	
		0.45	0.13	2.8	0.0	0.0	669.32	0.00	0.28	37.9	
012	G	23.32	0.00	48.3	0.0	0.0	-2.61	0.03	0.00	37.2	
		0.45	0.12	2.8	0.0	0.0	657.71	0.00	0.21	37.2	
013	G	23.44	0.00	48.4	0.0	0.0	-2.84	0.12	0.01	36.6	
		0.46	0.10	2.8	0.0	0.0	646.05	0.00	0.16	36.6	
014	G	23.55	0.00	48.4	0.0	0.0	-3.07	0.19	0.01	36.0	
		0.47	0.09	2.8	0.0	0.0	634.33	0.00	0.11	35.9	
015	G	23.66	0.00	48.5	0.0	0.0	-3.31	0.23	0.01	35.3	
		0.47	0.07	2.8	0.0	0.0	622.55	0.00	0.07	35.2	
016	G	23.78	0.00	48.6	0.0	0.0	-3.54	0.26	0.01	34.7	
		0.48	0.06	2.8	0.0	0.0	610.71	0.00	0.04	34.6	
017	G	23.89	0.00	48.7	0.0	0.0	-3.78	0.27	0.01	34.0	
		0.49	0.05	2.8	0.0	0.0	598.82	0.00	0.01	33.9	
018	G	24.01	0.00	48.8	0.0	0.0	-4.03	0.27	0.01	33.3	
		0.49	0.04	2.8	0.0	0.0	586.87	0.00	-0.01	33.2	
019	G	24.12	0.00	48.8	0.0	0.0	-4.27	0.26	0.01	32.6	
		0.50	0.03	2.8	0.0	0.0	574.87	0.00	-0.02	32.5	
020	G	24.24	0.00	48.9	0.0	0.0	-4.53	0.25	0.01	32.0	
		0.51	0.02	2.8	0.0	0.0	562.81	0.00	-0.03	31.9	
021	G	24.35	0.00	49.0	0.0	0.0	-4.78	0.23	0.01	31.3	
		0.51	0.01	2.8	0.0	0.0	550.68	0.00	-0.04	31.2	
022	G	24.47	0.00	49.1	0.0	0.0	-5.04	0.21	0.01	30.6	
		0.52	0.00	2.7	0.0	0.0	538.51	0.00	-0.05	30.5	
023	G	24.59	0.00	49.1	0.0	0.0	-5.30	0.18	0.01	29.9	
		0.53	0.00	2.7	0.0	0.0	526.27	0.00	-0.05	29.8	
024	G	24.71	0.00	49.2	0.0	0.0	-5.56	0.16	0.01	29.2	
		0.53	0.01	2.7	0.0	0.0	513.97	0.00	-0.04	29.1	
025	G	24.83	0.00	49.3	0.0	0.0	-5.83	0.14	0.01	28.5	
		0.54	0.01	2.7	0.0	0.0	501.61	0.00	-0.04	28.4	
026	G	24.95	0.00	49.3	0.0	0.0	-6.10	0.12	0.01	27.8	
		0.55	0.01	2.7	0.0	0.0	489.20	0.01	-0.04	27.7	
027	G	25.07	0.00	49.4	0.0	0.0	-6.38	0.10	0.01	27.1	
		0.56	0.01	2.7	0.0	0.0	476.72	0.01	-0.03	27.0	
028	G	25.19	-0.01	49.5	0.0	0.0	-6.66	0.09	0.00	26.4	
		0.56	0.02	2.6	0.0	0.0	464.18	0.01	-0.02	26.3	
029	G	25.31	-0.01	49.5	0.0	0.0	-6.94	0.08	0.00	25.7	
		0.57	0.02	2.6	0.0	0.0	451.58	0.01	-0.01	25.6	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
030	G	25.43	-0.01	49.6	0.0	0.0	-7.23	0.08	-0.01	25.0
		0.58	0.02	2.6	0.0	0.0	438.92	0.02	0.00	24.8
031	G	25.55	-0.01	49.6	0.0	0.0	-7.52	0.08	-0.02	24.2
		0.59	0.02	2.6	0.0	0.0	426.21	0.02	0.01	24.1
032	G	25.67	-0.01	49.7	0.0	0.0	-7.81	0.08	-0.03	23.5
		0.59	0.02	2.6	0.0	0.0	413.43	0.02	0.02	23.4
033	G	25.79	-0.01	49.7	0.0	0.0	-8.11	0.10	-0.04	22.8
		0.60	0.02	2.5	0.0	0.0	400.59	0.03	0.03	22.7
034	G	25.91	-0.01	49.8	0.0	0.0	-8.41	0.11	-0.06	22.1
		0.61	0.02	2.5	0.0	0.0	387.70	0.03	0.04	21.9
035	G	26.03	-0.01	49.8	0.0	0.0	-8.71	0.13	-0.07	21.4
		0.62	0.02	2.5	0.0	0.0	374.74	0.04	0.05	21.2
036	G	26.15	-0.01	49.9	0.0	0.0	-9.02	0.16	-0.09	20.7
		0.62	0.02	2.5	0.0	0.0	361.73	0.04	0.06	20.5
037	G	26.26	-0.01	49.9	0.0	0.0	-9.34	0.19	-0.11	20.0
		0.63	0.02	2.4	0.0	0.0	348.65	0.04	0.07	19.7
038	G	26.38	-0.01	50.0	0.0	0.0	-9.65	0.23	-0.14	19.3
		0.64	0.01	2.4	0.0	0.0	335.52	0.05	0.07	19.0
039	G	26.50	0.00	50.0	0.0	0.0	-9.97	0.27	-0.16	18.6
		0.65	0.01	2.4	0.0	0.0	322.33	0.05	0.08	18.2
040	G	26.61	0.00	50.1	0.0	0.0	-10.30	0.31	-0.18	17.8
		0.65	0.00	2.4	0.0	0.0	309.08	0.05	0.08	17.5
041	G	26.73	0.00	50.1	0.0	0.0	-10.63	0.35	-0.21	17.1
		0.66	0.00	2.3	0.0	0.0	295.78	0.05	0.08	16.7
042	G	26.86	0.01	50.2	0.0	0.0	-10.96	0.39	-0.23	16.4
		0.67	0.01	2.3	0.0	0.0	282.41	0.05	0.08	16.0
043	G	26.98	0.01	50.2	0.0	0.0	-11.30	0.43	-0.25	15.7
		0.68	0.02	2.3	0.0	0.0	268.98	0.04	0.07	15.2
044	G	27.11	0.02	50.2	0.0	0.0	-11.64	0.46	-0.27	15.0
		0.69	0.03	2.2	0.0	0.0	255.48	0.03	0.06	14.5
045	G	27.24	0.03	50.3	0.0	0.0	-11.98	0.49	-0.29	14.3
		0.70	0.05	2.2	0.0	0.0	241.93	0.02	0.04	13.7
046	G	27.37	0.04	50.3	0.0	0.0	-12.33	0.50	-0.30	13.6
		0.71	0.06	2.2	0.0	0.0	228.31	0.01	0.01	12.9
047	G	27.50	0.05	50.3	0.0	0.0	-12.69	0.50	-0.29	12.8
		0.71	0.08	2.1	0.0	0.0	214.62	-0.02	-0.03	12.1
048	G	27.63	0.06	50.3	0.0	0.0	-13.05	0.48	-0.28	12.1
		0.72	0.10	2.1	0.0	0.0	200.87	-0.04	-0.07	11.4
049	G	27.76	0.07	50.4	0.0	0.0	-13.41	0.43	-0.25	11.4
		0.73	0.13	2.1	0.0	0.0	187.05	-0.08	-0.13	10.6
050	G	27.90	0.09	50.4	0.0	0.0	-13.78	0.35	-0.20	10.7
		0.74	0.15	2.0	0.0	0.0	173.16	-0.12	-0.20	9.8
051	G	28.04	0.10	50.4	0.0	0.0	-14.15	0.23	-0.14	9.9
		0.75	0.18	2.0	0.0	0.0	159.21	-0.16	-0.28	9.0
052	G	28.17	0.12	50.4	0.0	0.0	-14.53	0.06	-0.04	9.2
		0.76	0.21	1.9	0.0	0.0	145.19	-0.22	-0.38	8.2
053	G	28.31	0.14	50.5	0.0	-0.1	-14.91	-0.15	0.08	8.6
		0.77	0.24	1.9	0.0	0.0	131.10	-0.28	-0.49	7.4
054	G	28.45	0.15	50.5	0.0	-0.1	-15.29	-0.43	0.24	8.0
		0.78	0.26	1.9	0.0	0.0	116.94	-0.35	-0.61	6.6
055	G	28.58	0.17	50.5	0.0	-0.1	-15.68	-0.77	0.44	7.5
		0.79	0.29	1.8	0.0	0.0	102.72	-0.43	-0.75	5.8
056	G	28.71	0.18	50.5	0.0	-0.1	-16.08	-1.18	0.67	7.1
		0.80	0.31	1.8	0.0	0.0	88.43	-0.52	-0.90	5.0
057	G	28.84	0.19	50.5	0.0	-0.1	-16.48	-1.66	0.96	6.7
		0.81	0.33	1.7	0.0	0.0	74.07	-0.61	-1.06	4.2
058	G	28.97	0.19	50.5	0.0	-0.1	-16.88	-2.23	1.28	6.4
		0.82	0.33	1.7	0.0	0.0	59.65	-0.71	-1.22	3.4
059	G	29.09	0.19	50.5	0.0	-0.1	-17.29	-2.89	1.66	6.1
		0.83	0.33	1.6	0.0	0.0	45.17	-0.80	-1.39	2.6

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
060	G	29.20	0.18	50.5	0.0	-0.1	-17.71	-3.62	2.08	5.9
		0.83	0.32	1.6	0.0	0.0	30.63	-0.90	-1.55	1.7
061	G	29.29	0.17	50.5	0.0	-0.1	-18.13	-4.44	2.55	5.7
		0.84	0.29	1.5	0.0	0.0	16.04	-0.98	-1.70	0.9
062	G	29.38	0.14	50.5	0.0	-0.1	-18.55	-5.32	3.06	5.6
		0.85	0.23	1.5	0.0	0.0	1.40	-1.06	-1.83	0.1
063	G	29.45	0.09	50.5	0.0	0.0	-18.98	-6.27	3.61	6.2
		0.86	0.16	1.4	0.0	0.0	-13.27	-1.11	-1.93	-0.8
064	G	29.50	0.03	50.5	0.0	0.0	-19.41	-7.25	4.18	7.0
		0.87	0.05	1.4	-0.1	0.0	-27.98	-1.14	-1.98	-1.6
Line 4 Section 53									D0135	D0140
000	G	2.27	0.10	50.5	0.0	0.0	-19.41	-7.25	4.18	7.0
		0.07	0.00	1.4	-0.1	0.0	-27.98	-1.14	-1.98	-1.6
001	G	2.25	0.05	50.5	0.0	0.0	-19.42	-7.45	4.29	7.0
		0.07	0.00	1.4	-0.1	0.0	-28.21	-1.15	-1.98	-1.6
Line 4 Section 54									D0140	D0145
000	G	0.00	0.00	50.5	0.0	0.0	-19.42	-7.45	4.29	6.9
		0.00	0.00	1.4	-0.1	0.0	-28.21	-1.15	-1.98	-1.6
001	G	0.00	0.00	50.5	0.0	0.0	-19.42	-7.56	4.35	6.9
		0.00	0.00	1.4	-0.1	0.0	-28.21	-1.15	-2.26	-1.6
002	G	0.00	0.00	50.5	0.0	0.0	-19.42	-7.68	4.41	6.9
		0.00	0.00	1.4	-0.1	0.0	-28.21	-1.15	-2.54	-1.6
Line 4 Section 55									D0145	NN0003
000	G	0.00	0.00	50.5	0.0	0.0	-19.42	-7.68	4.41	6.9
		0.00	0.00	1.4	-0.1	0.0	-39.92	4.66	14.91	-2.3
001	G	0.00	0.00	50.5	0.0	0.0	-19.42	-2.16	2.54	6.4
		0.00	0.00	1.3	-0.1	0.0	-39.92	4.66	12.67	-2.3
002	G	0.00	0.00	50.5	0.0	0.1	-19.42	2.46	0.68	6.4
		0.00	0.00	1.3	-0.1	0.0	-39.92	4.66	10.43	-2.3
Line 4 Section 56									NN0003	TG02
000	G	0.00	0.00	0.1	0.0	0.1	-19.42	2.46	0.68	6.4
		0.00	0.00	1.3	-0.1	0.0	-39.92	4.66	10.43	-2.3
001	G	0.00	0.00	0.0	0.1	0.1	-19.42	11.89	-6.53	7.7
		0.00	0.00	1.1	0.0	0.0	-39.92	4.66	1.77	-2.3
002	T	0.00	0.00	0.0	0.1	0.1	-19.42	7.95	-13.73	0.0
		0.00	0.00	0.9	0.1	0.0	-39.92	4.66	-6.88	
Line 4 Section 57									TG02	NN0025
000	T	0.00	0.00	0.0	0.1	0.1	-10.53	7.89	-14.10	0.0
		0.00	0.00	0.9	0.1	0.0	-39.68	-19.12	-11.05	
001	G	0.00	0.00	0.0	0.0	0.0	-10.53	-2.70	1.15	3.6
		0.00	0.00	0.9	0.1	-0.1	-39.68	-19.12	-15.52	-2.2
002	G	0.00	0.00	0.0	0.0	0.0	-10.53	-16.86	16.40	8.4
		0.00	0.00	0.8	0.0	0.0	-39.68	-19.12	-19.99	-2.2
Line 4 Section 58									NN0025	TG03
000	G	0.00	0.00	0.0	0.0	0.0	-10.53	-16.86	16.40	8.4
		0.00	0.00	0.8	0.0	0.0	-5.91	12.74	15.51	-0.3
001	G	0.00	0.00	0.0	0.0	0.0	-10.53	-6.27	6.24	4.5
		0.00	0.00	0.8	0.0	0.0	-5.91	12.74	11.04	-0.3
002	T	0.00	0.00	0.0	0.0	0.0	-10.53	0.76	-3.92	0.0
		0.00	0.00	0.7	0.0	0.0	-5.91	12.74	6.58	
Line 4 Section 59									TG03	KNA-1
000	T	0.00	0.00	0.0	0.0	0.0	-0.96	0.50	-3.86	0.0
		0.00	0.00	0.7	0.0	0.0	-6.42	-15.22	1.51	
001	G	0.00	0.00	0.0	0.0	0.0	-0.96	0.59	-2.72	1.0
		0.00	0.00	0.7	0.0	0.0	-6.42	-15.22	1.09	-0.4
002	G	0.00	0.00	0.0	0.0	0.0	-0.96	0.66	-1.58	0.6
		0.00	0.00	0.7	0.0	0.0	-6.42	-15.22	0.67	-0.4

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line 4 Section 60										KNA-1 NN0013	
000	G	0.00	0.00	0.0	0.0	0.0	-0.96	0.66	-1.58	0.6	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	5.76	-0.3	
001	G	0.00	0.00	0.0	0.0	0.0	-0.96	3.57	-1.10	1.3	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	0.75	-0.3	
002	G	0.00	0.00	0.0	0.0	0.0	-0.96	2.00	-0.63	0.8	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	-4.27	-0.3	
Line 4 Section 61										NN0013 D0146	
000	G	0.00	0.00	-6.9	0.0	0.0	-0.96	2.00	-0.63	0.8	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	-4.27	-0.3	
001	G	0.00	0.00	-6.9	0.0	0.0	-0.96	-4.07	-0.16	1.4	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	-9.28	-0.3	
002	G	0.00	0.00	-6.9	0.0	0.0	-0.96	-14.62	0.32	4.8	
		0.00	0.00	0.7	0.0	0.0	-5.43	-0.53	-14.30	-0.3	
Line 4 Section 62										D0146 D0147	
000	G	0.00	0.00	-6.9	0.0	0.0	-0.96	-14.62	0.32	4.8	
		0.00	0.00	0.7	0.0	0.0	10.14	0.07	16.23	0.6	
001	G	0.00	0.00	-6.9	0.0	0.0	-0.96	-13.82	0.31	4.5	
		0.00	0.00	0.7	0.0	0.0	10.14	0.07	15.95	0.6	
002	G	0.00	0.00	-6.9	0.0	0.0	-0.96	-13.02	0.31	4.3	
		0.00	0.00	0.7	0.0	0.0	10.14	0.07	15.67	0.6	
Line 4 Section 63										D0147 D0155	
000	G	-2.23	0.00	-6.9	0.0	0.0	-0.96	-13.02	0.31	4.8	
		0.03	0.00	0.7	0.0	0.0	10.14	0.07	15.67	0.6	
001	G	-2.23	0.01	-6.9	0.0	0.0	-0.97	-11.46	0.30	4.3	
		0.03	0.00	0.7	0.0	0.0	10.36	0.06	15.67	0.6	
Line 4 Section 64										D0155 D0156	
000	G	0.00	0.00	-6.9	0.0	0.0	-0.97	-11.46	0.30	3.7	
		0.00	0.00	0.7	0.0	0.0	10.36	0.06	15.67	0.6	
001	G	0.00	0.00	-6.9	0.0	0.1	-0.97	10.33	0.11	3.4	
		0.00	0.00	0.7	0.0	0.0	10.36	0.06	-1.14	0.6	
002	G	0.00	0.00	-6.8	0.0	0.0	-0.97	-18.31	-0.09	6.0	
		0.00	0.00	0.7	0.0	0.0	10.36	0.06	-17.95	0.6	
Line 4 Section 65										D0156 NN0001	
000	G	0.00	0.00	-6.8	0.0	0.0	-0.97	-18.31	-0.09	6.0	
		0.00	0.00	0.7	0.0	0.0	27.95	-0.02	17.13	1.6	
001	G	0.00	0.00	-6.8	0.0	0.1	-0.97	7.86	-0.03	2.6	
		0.00	0.00	0.7	0.0	0.0	27.95	-0.02	0.32	1.6	
002	G	0.00	0.00	-6.8	0.0	0.0	-0.97	-16.41	0.02	5.4	
		0.00	0.00	0.7	0.0	0.0	27.95	-0.02	-16.49	1.6	
Line 4 Section 66										NN0001 D0157	
000	G	0.00	0.00	-6.8	0.0	0.0	-0.97	-16.41	0.02	5.4	
		0.00	0.00	0.7	0.0	0.0	44.57	0.00	16.73	2.5	
001	G	0.00	0.00	-6.8	0.0	0.1	-0.97	8.55	0.01	2.8	
		0.00	0.00	0.6	0.0	0.0	44.57	0.00	-0.09	2.5	
002	G	0.00	0.00	-6.7	0.0	0.0	-0.97	-16.92	-0.01	5.5	
		0.00	0.00	0.6	0.0	0.0	44.57	0.00	-16.90	2.5	
Line 4 Section 67										D0157 NN0002	
000	G	0.00	0.00	-6.7	0.0	0.0	-0.97	-16.92	-0.01	5.5	
		0.00	0.00	0.6	0.0	0.0	61.45	0.00	16.83	3.5	
001	G	0.00	0.00	-6.7	0.0	0.1	-0.97	8.37	0.00	2.7	
		0.00	0.00	0.6	0.0	0.0	61.45	0.00	0.02	3.5	
002	G	0.00	0.00	-6.6	0.0	0.0	-0.97	-16.78	0.00	5.5	
		0.00	0.00	0.6	0.0	0.0	61.45	0.00	-16.79	3.5	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 68									NN0002 D0158	
000	G	0.00	0.00	-6.6	0.0	0.0	-0.97	-16.78	0.00	5.5
		0.00	0.00	0.6	0.0	0.0	78.25	0.00	16.80	4.4
001	G	0.00	0.00	-6.6	0.0	0.1	-0.97	8.42	0.00	2.8
		0.00	0.00	0.6	0.0	0.0	78.25	0.00	-0.01	4.4
002	G	0.00	0.00	-6.5	0.0	0.0	-0.97	-16.82	0.00	5.5
		0.00	0.00	0.6	0.0	0.0	78.25	0.00	-16.82	4.4
Line 4 Section 69									D0158 D0160	
000	G	0.00	0.00	-6.5	0.0	0.0	-0.97	-16.82	0.00	5.5
		0.00	0.00	0.6	0.0	0.0	95.07	0.00	16.81	5.4
001	G	0.00	0.00	-6.4	0.0	0.1	-0.97	8.40	0.00	2.8
		0.00	0.00	0.6	0.0	0.0	95.07	0.00	0.00	5.4
002	G	0.00	0.00	-6.4	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	95.07	0.00	-16.81	5.4
Line 4 Section 70									D0160 D0165	
000	G	0.00	0.00	-6.4	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	111.88	0.00	16.81	6.3
001	G	0.00	0.00	-6.3	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.5	0.0	0.0	111.88	0.00	0.00	6.3
002	G	0.00	0.00	-6.2	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	111.88	0.00	-16.81	6.3
Line 4 Section 71									D0165 D0167	
000	G	0.00	0.00	-6.2	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	128.70	0.00	16.81	7.3
001	G	0.00	0.00	-6.1	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.5	0.0	0.0	128.70	0.00	0.00	7.3
002	G	0.00	0.00	-6.0	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	128.70	0.00	-16.81	7.3
Line 4 Section 72									D0167 D0168	
000	G	0.00	0.00	-6.0	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.5	0.0	0.0	145.52	0.00	16.81	8.2
001	G	0.00	0.00	-5.9	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.5	0.0	0.0	145.52	0.00	0.00	8.2
002	G	0.00	0.00	-5.7	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	145.52	0.00	-16.81	8.2
Line 4 Section 73									D0168 D0169	
000	G	0.00	0.00	-5.7	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	162.33	0.00	16.81	9.2
001	G	0.00	0.00	-5.6	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.4	0.0	0.0	162.33	0.00	0.00	9.2
002	G	0.00	0.00	-5.5	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	162.33	0.00	-16.81	9.2
Line 4 Section 74									D0169 NN0014	
000	G	0.00	0.00	-5.5	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	179.15	0.00	16.81	10.1
001	G	0.00	0.00	-5.3	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.4	0.0	0.0	179.15	0.00	0.00	10.1
002	G	0.00	0.00	-5.2	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	179.15	0.00	-16.81	10.1
Line 4 Section 75									NN0014 NN0015	
000	G	0.00	0.00	-5.2	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.4	0.0	0.0	195.97	0.00	16.81	11.1
001	G	0.00	0.00	-5.0	0.0	0.1	-0.97	8.41	0.00	2.8
		0.00	0.00	0.4	0.0	0.0	195.97	0.00	0.00	11.1
002	G	0.00	0.00	-4.9	0.0	0.0	-0.97	-16.81	0.00	5.5
		0.00	0.00	0.3	0.0	0.0	195.97	0.00	-16.81	11.1

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx	
Line 4 Section 76									NN0015 NN0016		
000	G	0.00	0.00	-4.9	0.0	0.0	-0.97	-16.81	0.00	5.5	
		0.00	0.00	0.3	0.0	0.0	212.79	0.00	16.81	12.0	
001	G	0.00	0.00	-4.7	0.0	0.1	-0.97	8.41	0.00	2.8	
		0.00	0.00	0.3	0.0	0.0	212.79	0.00	0.00	12.0	
002	G	0.00	0.00	-4.6	0.0	0.0	-0.97	-16.81	0.00	5.5	
		0.00	0.00	0.3	0.0	0.0	212.79	0.00	-16.81	12.0	
Line 4 Section 77									NN0016 NN0017		
000	G	0.00	0.00	-4.6	0.0	0.0	-0.97	-16.81	0.00	5.5	
		0.00	0.00	0.3	0.0	0.0	229.61	0.00	16.81	13.0	
001	G	0.00	0.00	-4.4	0.0	0.1	-0.97	8.40	0.00	2.8	
		0.00	0.00	0.3	0.0	0.0	229.61	0.00	0.00	13.0	
002	G	0.00	0.00	-4.2	0.0	0.0	-0.97	-16.81	0.00	5.5	
		0.00	0.00	0.3	0.0	0.0	229.61	0.00	-16.81	13.0	
Line 4 Section 78									NN0017 NN0018		
000	G	0.00	0.00	-4.2	0.0	0.0	-0.97	-16.81	0.00	5.5	
		0.00	0.00	0.3	0.0	0.0	246.43	0.00	16.81	13.9	
001	G	0.00	0.00	-4.0	0.0	0.1	-0.97	8.41	0.00	2.8	
		0.00	0.00	0.3	0.0	0.0	246.43	0.00	0.00	13.9	
002	G	0.00	0.00	-3.8	0.0	0.0	-0.97	-16.80	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	246.43	0.00	-16.81	13.9	
Line 4 Section 79									NN0018 NN0019		
000	G	0.00	0.00	-3.8	0.0	0.0	-0.97	-16.80	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	263.25	0.00	16.80	14.9	
001	G	0.00	0.00	-3.6	0.0	0.1	-0.97	8.40	0.00	2.8	
		0.00	0.00	0.2	0.0	0.0	263.25	0.00	-0.01	14.9	
002	G	0.00	0.00	-3.4	0.0	0.0	-0.97	-16.84	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	263.25	0.00	-16.82	14.9	
Line 4 Section 80									NN0019 NN0020		
000	G	0.00	0.00	-3.4	0.0	0.0	-0.97	-16.84	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	280.09	0.00	16.83	15.9	
001	G	0.00	0.00	-3.2	0.0	0.1	-0.97	8.44	0.00	2.8	
		0.00	0.00	0.2	0.0	0.0	280.09	0.00	0.02	15.9	
002	G	0.00	0.00	-2.9	0.0	0.0	-0.97	-16.71	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	280.09	0.00	-16.79	15.9	
Line 4 Section 81									NN0020 NN0021		
000	G	0.00	0.00	-2.9	0.0	0.0	-0.97	-16.71	0.00	5.5	
		0.00	0.00	0.2	0.0	0.0	296.87	0.00	16.73	16.8	
001	G	0.00	0.00	-2.7	0.0	0.1	-0.97	8.27	0.00	2.7	
		0.00	0.00	0.2	0.0	0.0	296.87	0.00	-0.08	16.8	
002	G	0.00	0.00	-2.5	0.0	0.0	-0.97	-17.19	0.00	5.6	
		0.00	0.00	0.1	0.0	0.0	296.87	0.00	-16.89	16.8	
Line 4 Section 82									NN0021 NN0022		
000	G	0.00	0.00	-2.5	0.0	0.0	-0.97	-17.19	0.00	5.6	
		0.00	0.00	0.1	0.0	0.0	313.88	0.00	17.11	17.8	
001	G	0.00	0.00	-2.2	0.0	0.1	-0.97	8.92	0.00	2.9	
		0.00	0.00	0.1	0.0	0.0	313.88	0.00	0.30	17.8	
002	G	0.00	0.00	-2.0	0.0	0.0	-0.97	-15.41	0.00	5.0	
		0.00	0.00	0.1	0.0	0.0	313.88	0.00	-16.51	17.8	
Line 4 Section 83									NN0022 NN0023		
000	G	0.00	0.00	-2.0	0.0	0.0	-0.97	-15.41	0.00	5.0	
		0.00	0.00	0.1	0.0	0.0	330.02	0.00	15.71	18.7	
001	G	0.00	0.00	-1.7	0.0	0.0	-0.97	6.49	0.00	2.1	
		0.00	0.00	0.1	0.0	0.0	330.02	0.00	-1.11	18.7	
002	G	0.00	0.00	-1.4	0.0	0.0	-0.97	-22.04	0.00	7.2	
		0.00	0.00	0.1	0.0	0.0	330.02	0.00	-17.92	18.7	

SNR	KZ	FR'(wu) MR'(pu)	Q'(wv) Q'(ww)	wu pu	wv pv	ww pw	Mu Qu	Mv Qv	Mw Qw	SigV SigAx
Line 4 Section 84									NN0023 NN0024	
000	G	0.00	0.00	-1.4	0.0	0.0	-0.97	-22.04	0.00	7.2
		0.00	0.00	0.1	0.0	0.0	349.17	0.00	20.29	19.8
001	G	0.00	0.00	-1.1	0.0	0.2	-0.97	14.64	0.00	4.8
		0.00	0.00	0.1	0.0	0.0	349.17	0.00	-0.72	19.8
002	G	0.00	0.00	-0.7	0.0	0.0	-0.97	-27.47	0.00	9.0
		0.00	0.00	0.0	0.0	0.0	349.17	0.00	-21.74	19.8
Line 4 Section 85									NN0024 D0170	
000	G	0.00	0.00	-0.7	0.0	0.0	-0.97	-27.47	0.00	9.0
		0.00	0.00	0.0	0.0	0.0	370.69	0.00	21.25	21.0
001	G	0.00	0.00	-0.4	0.0	0.2	-0.97	12.83	0.00	4.2
		0.00	0.00	0.0	0.0	0.0	370.69	0.00	0.24	21.0
002	G	0.00	0.00	0.0	0.0	0.0	-0.97	-25.66	0.00	8.4
		0.00	0.00	0.0	0.0	0.0	370.69	0.00	-20.77	21.0

Extract of results (maximum values)**1. PUR foam and casing**

ANR	- Section number
EC-thickness	- EC-thickness in mm
TAUPUR	- PUR shear stress in MPa
SIGPUR	- PUR compressive stress in MPa
FRg'	- Resulting frictional force from FR' (wu) and MR' (pu) in kN/m
Qg'(v,w)	- Resulting lateral compression from Q' (wv) and Q' (ww) in kN/m

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
Line 1 Section 1								A0010 NN0029
1 G	27.1	0.021	0.027	26.0	0.064	0.150	0	
Line 1 Section 2								NN0029 NN0028
2 G	1.3	0.001	0.027	0.9	0.002	0.150	0	
Line 1 Section 3								NN0028 NN0027
3 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
3 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 1 Section 4								NN0027 TT01
4 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 1								B0010 B0020
1 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 2 Section 2								B0020 B0030
2 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 2 Section 3								B0030 B0032
3 G	17.6	0.014	0.027	0.2	0.000	0.150	0	
Line 2 Section 4								B0032 NN0008
4 G	0.1	0.000	0.027	0.1	0.000	0.150	0	
Line 2 Section 5								NN0008 GNA-3
5 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 6								GNA-3 B0035
6 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 7								B0035 B0040
7 G	0.0	0.000	0.027	0.1	0.000	0.150	0	
Line 2 Section 8								B0040 B0050
8 G	11.4	0.009	0.027	0.1	0.000	0.150	40	
Line 2 Section 9								B0050 B0055
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 10								B0055 B0060
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
10 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 2 Section 11								B0060 TT02
11 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 1								C0010 C0020
1 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 3 Section 2								C0020 C0030
2 G	24.1	0.019	0.027	0.0	0.000	0.150	0	
Line 3 Section 3								C0030 C0032
3 G	17.6	0.014	0.027	0.1	0.000	0.150	0	
Line 3 Section 4								C0032 NN0007

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
4 G	0.0	0.000	0.027	0.1	0.000	0.150	0	
Line 3 Section 5								NN0007 GNA-4
5 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 6								GNA-4 C0035
6 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 7								C0035 C0040
7 G	0.0	0.000	0.027	0.1	0.000	0.150	0	
Line 3 Section 8								C0040 C0045
8 G	11.4	0.009	0.027	0.0	0.000	0.150	40	
Line 3 Section 9								C0045 C0050
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 10								C0050 C0060
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
10 B	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 3 Section 11								C0060 TT03
11 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 1								D0010 D0012
1 G	36.1	0.016	0.027	17.0	0.024	0.150	0	
Line 4 Section 2								D0012 D0015
2 G	32.8	0.015	0.027	8.6	0.012	0.150	40	
Line 4 Section 3								D0015 D0017
3 G	33.2	0.015	0.027	9.4	0.013	0.150	80	
Line 4 Section 4								D0017 D0020
4 G	33.1	0.015	0.027	9.1	0.013	0.150	120	
4 B	33.2	0.015	0.027	9.2	0.013	0.150	120	
Line 4 Section 5								D0020 NN0006
5 G	31.0	0.014	0.027	3.5	0.005	0.150	120	
Line 4 Section 6								NN0006 D0021
6 G	30.9	0.014	0.027	3.6	0.005	0.150	80	
Line 4 Section 7								D0021 D0022
7 G	30.4	0.014	0.027	2.3	0.003	0.150	0	
Line 4 Section 8								D0022 D0023
8 G	2.3	0.001	0.027	0.2	0.000	0.150	0	
Line 4 Section 9								D0023 D0025
9 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 10								D0025 TG01
10 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 11								TG01 D0030
11 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 12								D0030 D0035
12 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 13								D0035 D0037
13 G	2.3	0.001	0.027	0.2	0.000	0.150	0	
Line 4 Section 14								D0037 NN0009
14 G	30.0	0.013	0.027	0.7	0.001	0.150	0	
Line 4 Section 15								NN0009 NN0010
15 G	0.5	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 16								NN0010 GNA-2
16 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 17								GNA-2 NN0011

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
17 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 18								NN0011 D0039
18 G	0.6	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 19								D0039 NN0026
19 G	29.5	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 20								NN0026 D0040
20 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 21								D0040 D0041
21 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 22								D0041 D0042
22 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 23								D0042 NN0005
23 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 24								NN0005 KNA-2
24 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 25								KNA-2 D0044
25 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 26								D0044 D0045
26 G	29.3	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 27								D0045 D0047
27 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 28								D0047 D0050
28 G	29.2	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 29								D0050 D0060
29 G	29.5	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 30								D0060 NN0004
30 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 31								NN0004 D0061
31 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 32								D0061 D0062
32 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 33								D0062 D0065
33 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 34								D0065 D0070
34 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 35								D0070 D0075
35 G	29.5	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 36								D0075 D0080
36 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 37								D0080 D0090
37 G	29.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 38								D0090 D0091
38 G	6.0	0.003	0.027	0.0	0.000	0.150	0	
Line 4 Section 39								D0091 D0092
39 G	25.5	0.011	0.027	0.0	0.000	0.150	0	
Line 4 Section 40								D0092 NN0012
40 G	0.2	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 41								NN0012 GNA-1
41 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 42								GNA-1 D0094

ANR KZ	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thickness	
42 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 43								D0094 D0095
43 G	0.2	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 44								D0095 D0100
44 G	28.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 45								D0100 D0110
45 G	28.4	0.013	0.027	0.0	0.000	0.150	0	
Line 4 Section 46								D0110 D0115
46 G	29.6	0.013	0.027	0.2	0.000	0.150	0	
Line 4 Section 47								D0115 D0120
47 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 48								D0120 D0125
48 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 49								D0125 D0130
49 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 50								D0130 D0132
50 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 51								D0132 D0133
51 G	21.9	0.010	0.027	0.0	0.000	0.150	0	
Line 4 Section 52								D0133 D0135
52 G	29.6	0.013	0.027	0.4	0.001	0.150	0	
Line 4 Section 53								D0135 D0140
53 G	2.3	0.001	0.027	0.1	0.000	0.150	0	
Line 4 Section 54								D0140 D0145
54 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 55								D0145 NN0003
55 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 56								NN0003 TG02
56 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 57								TG02 NN0025
57 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 58								NN0025 TG03
58 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 59								TG03 KNA-1
59 T	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 60								KNA-1 NN0013
60 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 61								NN0013 D0146
61 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 62								D0146 D0147
62 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 63								D0147 D0155
63 G	2.2	0.001	0.027	0.0	0.000	0.150	0	
Line 4 Section 64								D0155 D0156
64 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 65								D0156 NN0001
65 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 66								NN0001 D0157
66 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 67								D0157 NN0002

ANR I	FRg'	TAUPUR	TAUPUR allowable	Qg'	SIGPUR existing	SIGPUR allowable	EC- thicknes	
67 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 68								NN0002 D0158
68 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 69								D0158 D0160
69 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 70								D0160 D0165
70 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 71								D0165 D0167
71 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 72								D0167 D0168
72 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line Section 73								D0168 D0169
73 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 74								D0169 NN0014
74 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 75								NN0014 NN0015
75 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 76								NN0015 NN0016
76 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 77								NN0016 NN0017
77 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 78								NN0017 NN0018
78 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 79								NN0018 NN0019
79 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 80								NN0019 NN0020
80 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 81								NN0020 NN0021
81 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 82								NN0021 NN0022
82 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 83								NN0022 NN0023
83 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 84								NN0023 NN0024
84 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Line 4 Section 85								NN0024 D0170
85 G	0.0	0.000	0.027	0.0	0.000	0.150	0	
Allowable values								50.0

2. Medium pipe

2.1. Circumferential stress by internal pressure and hoop bending stress (MPa)

STR	- Line number
ANR	- Section number
SNR	- Cut number
PKT	- Point name
PHI	- Angle of segment in °
P	- Internal pressure in bar
SIGT(P)	- Circumferential stress by internal pressure in MPa
SIGT(Rb)	- Hoop stress caused by lateral compression in MPa
SIGT	- SIGT(P) + SIGT(Rb)
all. SIGT	- Allowable tangential stress in MPa

STR	ANR	SNR	PKT	KZ	PHI	P	SIGT(P)	SIGT(Rb)	SIGT	all. SIGT
4	1	20	D0012	G	0	0.00	0.0	25.2	25.2	156.7
4	4	1	D0020	B	270	16.00	86.8	3.1	89.9	156.7

2.1.1. Maximum circumferential stresses of individual sections

STR	ANR	SNR	PKT	KZ	P	SIGT(P)	SIGT(Rb)	SIGT
4	4	1	D0020	B	16.00	86.8	3.1	89.9
4	4	2	D0020	B	16.00	86.8	3.1	89.9
4	4	3	D0020	B	16.00	86.8	3.1	89.9
4	4	4	D0020	B	16.00	86.8	3.1	89.9
4	4	5	D0020	B	16.00	86.8	3.1	89.9
4	4	6	D0020	B	16.00	86.8	3.1	89.9
4	4	7	D0020	B	16.00	86.8	3.1	89.9
4	4	8	D0020	B	16.00	86.8	3.1	89.9
4	4	9	D0020	B	16.00	86.8	3.1	89.9
4	4	10	D0020	B	16.00	86.8	3.1	89.9

2.2. Axial stress caused by friction

The maximum axial stress amounts to 168.7 MPa and occurs in line 4, section 20, section number 0

The allowable axial stress of 180.0 MPa is not exceeded.

Component results

3. Bend table

wua,wva - Displacements at bend start in mm
 wvmax,wwmax - Maximum displacements in bend in mm
 wue,wve - Displacements at bend end in mm
 dSIGV - Reference stress range in N/mm² (or MPa)

STR	PKT	LF	wua	wva	wvmax	wwmax	wue	wve	dSIGV
1	NN0027	2	4.3	-6.6	-7.1	61.6	0.0	-4.8	280.9
		3	-1.7	2.3	2.4	31.9	-0.1	1.4	
2	B0060	2	3.5	-5.8	-6.6	-4.0	-0.2	-4.7	204.5
		3	0.0	-0.1	-0.3	0.1	-0.1	-0.3	
3	C0060	2	3.5	-6.4	-7.1	-0.1	-0.6	-4.6	240.3
		3	0.0	0.0	-0.2	0.0	0.0	-0.2	
4	D0020	2	9.3	-87.7	-91.1	0.3	-96.9	-20.2	275.5
		3	-1.2	-31.8	-32.0	0.1	-35.4	-2.0	

4. Tee Table

Maximum stress in aboveground installation

- Flexibility factors for branch at T-piece acc. to KTA 3211.2

TTnn	- Values in branch (nn - tee number)
TGnn	- Values in main pipe (nn - tee number)
DN	- Pipe size DN
s	- Wall thickness
Typ	- 1=welded on; 2=reinforced; 3=prefabricated; 4=extruded; 5=extruded thick-walled; 6=welded on FEM
h	- Thickness reinforcement plate (only construction type 2)
SV	- existing reference stress (main pipe and branch) in MPa
SVall	- allowable stress, acc. to ANSI B31.1 in MPa
Util	- Utilisation in %

S1-Proof:

TStck	DN	s	Typ	h	SV	SVall	Util
TT01	300	5.6	2	8.00	2.2	138.3	2
TG01	700	8.0	2	8.00	27.2	138.3	20
TT02	400	6.3	2	8.00	3.5	138.3	3
TG02	700	8.0	2	8.00	10.3	138.3	7
TT03	400	6.3	2	8.00	1.3	138.3	1
TG03	700	8.0	2	8.00	1.0	138.3	1

S4-Proof:

TStck	DN	s	Typ	h	SV	SVall	Util
TT01	300	5.6	2	8.00	200.7	313.4	64
TG01	700	8.0	2	8.00	297.7	313.4	95
TT02	400	6.3	2	8.00	67.0	313.4	21
TG02	700	8.0	2	8.00	205.2	313.4	65
TT03	400	6.3	2	8.00	25.9	313.4	8
TG03	700	8.0	2	8.00	74.5	313.4	24

5. Support table

dQu, dQv, dQw - Bearing loads in kN

STR	PKT	TYP	LF	wu	wv	ww	dQu	dQv	dQw
2	GNA-3	HP3	2	0.0	0.0	0.0	471.07	-17.63	54.56
			3	0.0	0.0	0.0	-541.56	0.48	1.22
3	GNA-4	HP3	2	0.0	0.0	0.0	375.93	-0.23	62.56
			3	0.0	0.0	0.0	-492.74	-0.03	-0.32

STR	PKT	TYP	LF	wu	wv	ww	dQu	dQv	dQw
4	D0025	GLZ	2	-66.2	0.0	0.0	-38.20	-52.84	23.36
			3	-33.1	0.0	0.0	22.23	26.58	17.51
4	D0030	GLZ	2	-59.9	0.0	0.0	-48.65	-69.18	27.98
			3	-32.1	0.0	0.0	19.53	18.43	20.20
4	D0061	GLZ	2	10.0	0.0	0.0	6.47	0.00	12.73
			3	10.1	0.0	0.0	6.36	0.00	12.72
4	D0062	GLZ	2	12.4	0.0	0.0	6.45	0.00	12.73
			3	12.4	0.0	0.0	6.36	0.00	12.72
4	GNA-1	HP3	2	0.0	0.0	0.0	189.55	0.00	1.12
			3	0.0	0.0	0.0	127.61	0.00	1.12
4	D0125	GLZ	2	70.2	0.0	0.0	6.74	0.00	13.49
			3	46.2	0.0	0.0	-6.83	0.00	13.48
4	D0130	GLZ	2	74.3	0.0	0.0	6.74	0.01	13.49
			3	47.1	0.0	0.0	-6.84	0.00	13.47
4	D0145	GLZ	2	109.2	0.0	0.0	21.29	-32.17	10.43
			3	50.5	0.0	0.0	-11.71	5.81	17.46
4	NN0025	GLZ	2	-2.1	0.0	0.0	-97.97	-187.54	-8.46
			3	0.0	0.0	0.0	33.77	31.86	35.50
4	KNA-1	HP3	2	0.0	0.0	0.0	71.02	-103.22	-15.10
			3	0.0	0.0	0.0	1.00	14.69	5.10
4	D0146	GLZ	2	-154.5	0.0	0.0	-16.49	-3.13	29.85
			3	-6.9	0.0	0.0	15.57	0.59	30.53
4	D0156	GLZ	2	-147.2	0.0	0.0	-17.81	0.44	35.18
			3	-6.8	0.0	0.0	17.59	-0.08	35.08
4	NN0001	GLZ	2	-140.0	0.0	0.0	-16.66	-0.12	33.19
			3	-6.8	0.0	0.0	16.62	0.02	33.22
4	D0157	GLZ	2	-132.9	0.0	0.0	-16.88	0.03	33.74
			3	-6.7	0.0	0.0	16.87	-0.01	33.73
4	NN0002	GLZ	2	-125.9	0.0	0.0	-16.80	-0.01	33.59
			3	-6.6	0.0	0.0	16.80	0.00	33.59
4	D0158	GLZ	2	-118.8	0.0	0.0	-16.82	0.00	33.63
			3	-6.5	0.0	0.0	16.82	0.00	33.63
4	D0160	GLZ	2	-111.8	0.0	0.0	-16.81	0.00	33.62
			3	-6.4	0.0	0.0	16.82	0.00	33.62

STR	PKT	TYP	LF	wu	wv	ww	dQu	dQv	dQw
4	D0165	GLZ	2	-104.8	0.0	0.0	-16.81	0.00	33.62
			3	-6.2	0.0	0.0	16.82	0.00	33.62
4	D0167	GLZ	2	-97.8	0.0	0.0	-16.81	0.00	33.62
			3	-6.0	0.0	0.0	16.82	0.00	33.62
4	D0168	GLZ	2	-90.9	0.0	0.0	-16.81	0.00	33.62
			3	-5.7	0.0	0.0	16.82	0.00	33.62
4	D0169	GLZ	2	-84.0	0.0	0.0	-16.81	0.00	33.62
			3	-5.5	0.0	0.0	16.82	0.00	33.62
4	NN0014	GLZ	2	-77.1	0.0	0.0	-16.81	0.00	33.62
			3	-5.2	0.0	0.0	16.82	0.00	33.62
4	NN0015	GLZ	2	-70.3	0.0	0.0	-16.81	0.00	33.62
			3	-4.9	0.0	0.0	16.82	0.00	33.62
4	NN0016	GLZ	2	-63.5	0.0	0.0	-16.81	0.00	33.62
			3	-4.6	0.0	0.0	16.82	0.00	33.62
4	NN0017	GLZ	2	-56.7	0.0	0.0	-16.81	0.00	33.62
			3	-4.2	0.0	0.0	16.82	0.00	33.62
4	NN0018	GLZ	2	-49.9	0.0	0.0	-16.81	0.00	33.61
			3	-3.8	0.0	0.0	16.82	0.00	33.61
4	NN0019	GLZ	2	-43.1	0.0	0.0	-16.82	0.00	33.65
			3	-3.4	0.0	0.0	16.84	0.00	33.65
4	NN0020	GLZ	2	-36.4	0.0	0.0	-16.76	0.00	33.52
			3	-2.9	0.0	0.0	16.78	0.00	33.52
4	NN0021	GLZ	2	-29.7	0.0	0.0	-17.00	0.00	34.00
			3	-2.5	0.0	0.0	17.02	0.00	34.00
4	NN0022	GLZ	2	-23.1	0.0	0.0	-16.11	0.00	32.22
			3	-2.0	0.0	0.0	16.14	0.00	32.22
4	NN0023	GLZ	2	-16.5	0.0	0.0	-19.10	0.00	38.20
			3	-1.4	0.0	0.0	19.14	0.00	38.20
4	NN0024	GLZ	2	-8.2	0.0	0.0	-21.50	0.00	42.99
			3	-0.7	0.0	0.0	21.52	0.00	42.99

6. Fix point table

Qu, Qv, Qw - Fixed point loads in kN
 Mu, Mv, Mw - Fixed point loads in kNm
 Qu-Np - Axial loads minus internal pressure in kN

STR	PKT	TYP	LF	wu pu	wv pv	ww pw	Qu Mu	Qv Mv	Qw Mw	Qu-Np
4	D0170	FP	2	0.0	0.0	0.0	599.07	0.00	20.77	1206.06
				0.0	0.0	0.0	13.47	25.66	0.00	
			3	0.0	0.0	0.0	-370.69	0.00	20.77	-370.69
				0.0	0.0	0.0	0.97	25.66	0.00	

7. Compensator table

dwu, dwv, dww - Displacement movement in mm
 dpu, dpv, dpw - Deflection in °

STR	PKT	TYP	LF	dwu dpu	dwv dpv	dww dpw	Qu Mu	Qv Mv	Qw Mw
4	NN0026	EK	2	-50.0	0.0	0.0	-1657.70	0.00	0.00
				0.0	0.0	0.0	0.0	0.0	0.0
			3	-50.0	0.0	0.0	2980.53	0.00	0.00
				0.0	0.0	0.0	0.0	0.0	0.0
4	D0075	EK	2	-50.0	0.0	0.0	-2090.85	0.00	-0.04
				0.0	0.0	0.0	0.0	0.0	0.0
			3	-50.0	0.0	0.0	2562.67	0.00	-0.04
				0.0	0.0	0.0	0.0	0.0	0.0
4	NN0003	KAX	2	-117.8	0.0	0.0	-189.58	-25.74	4.80
				0.0	0.0	0.0	1.8	0.2	-0.2
			3	-50.5	0.0	0.0	-39.92	4.66	10.43
				0.0	0.0	0.0	-1.1	0.1	0.0
4	NN0013	KAX	2	-158.8	0.0	0.0	-222.01	2.79	-3.66
				0.0	0.0	0.0	-0.8	0.1	0.2
			3	-6.9	0.0	0.0	-5.43	-0.53	-4.27
				0.0	0.0	0.0	-0.1	0.1	0.0

Detailed stress analysis at the location with the max. composite stress in straights or bends

The maximum reference stresses in underground installation occurs in

STR	ANR	PKT	SNR	KZ	PHI	Fibre	Total stress [MPa]	Allowable stress [MPa]	Utilisation [%]
4	4	D0020	9	B	169	inner	275.5	782.4	35
4	29	D0050	30	G	-	-	263.9	782.4	34
4	20	D0040	42	G	-	-	263.9	782.4	34
4	21	D0040	0	G	-	-	263.8	782.4	34
4	22	D0041	0	G	-	-	263.8	782.4	34

The max. composite stresses for the S1-proof in aboveground installation occur in

STR	ANR	PKT	SNR	KZ	Total stress [MPa]	Allowable stress [MPa]	Utilisation [%]
4	84	NN0024	2	G	44.5	138.3	32
4	85	NN0024	0	G	44.5	138.3	32
4	83	NN0023	2	G	42.7	138.3	31
4	65	D0156	0	G	41.5	138.3	30
4	64	D0156	2	G	41.5	138.3	30

The max. composite stresses for the S4-proof in aboveground installation occur in

STR	ANR	PKT	SNR	KZ	Total stress [MPa]	Allowable stress [MPa]	Utilisation [%]
1	3	NN0027	1	B	280.9	313.4	90
3	10	C0060	2	B	240.3	313.4	77
2	10	B0060	2	B	204.5	313.4	65
3	5	GNA-4	2	G	96.8	313.4	31
3	6	GNA-4	0	G	96.8	313.4	31