### Parameter Estimates

| Effect         | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|----------------|-----|----------|----------------|-----|---------|------|---|
| Intercept      |     | 35.2833  | 25.7433        | 115 | 1.37    | 0.1732 |
| Sex            | M   | 0        | .              | .   | .       | .    |   |
| Sex            | F   | -0.6569  | 2.1627         | 115 | -0.30   | 0.7619 |
| Length__cm__   |     | -0.06273 | 0.5082         | 115 | -0.12   | 0.9020 |
| Scale          |     | 132.51   | 17.4746        | .   | .       | .    |   |

### Type III Tests of Fixed Effects

| Effect         | Num DF | Den DF | F Value  | Pr > F  |
|----------------|--------|--------|----------|---------|
| Sex            | 1      | 115    | 0.09     | 0.7619  |
| Length__cm__   | 1      | 115    | 0.02     | 0.9020  |

Resistance R7 Predicted by Birth Length and sex in the Term Infants at Day 1
Resistance R11 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|------|---|
| Intercept  |     | 27.4576  | 16.3575        | 115 | 1.68    | 0.0959|
| Sex        | F   | -2.3337  | 1.3742         | 115 | -1.70   | 0.0922|
| Sex        | M   | 0        | .              | .   | .       | .    |
| Length__cm_|     | -0.07402 | 0.3229         | 115 | -0.23   | 0.8191|
| Scale      |     | 53.4990  | 7.0552         | .   | .       | .    |

Type III Tests of Fixed Effects

| Effect    | Num DF | Den DF | F Value | Pr > F |
|-----------|--------|--------|---------|--------|
| Sex       | 1      | 115    | 2.88    | 0.0922 |
| Length__cm_| 1      | 115    | 0.05    | 0.8191 |

Resistance R11 Predicted by Birth Length and sex in the Term Infants at Day 1
Resistance R13 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|------|---|
| Intercept  |     | 46.6014  | 19.2013        | 115 | 2.43    | 0.0168|
| Sex        | F   | -2.4962  | 1.6131         | 115 | -1.55   | 0.1245|
| Sex        | M   | 0        | .              | .   | .       | .    |
| Length__cm_|     | -0.4230  | 0.3790         | 115 | -1.12   | 0.2667|
| Scale      |     | 73.7180  | 9.7216         | .   | .       | .    |

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 2.39    | 0.1245 |
| Length__cm_ | 1 | 115    | 1.25    | 0.2667 |

Resistance R13 Predicted by Birth Length and sex in the Term Infants at Day 1
The GLIMMIX Procedure

Parameter Estimates

| Effect        | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|---------------|-----|----------|----------------|----|---------|------|---|---|
| Intercept     |     | 25.0192  | 15.8623        | 115| 1.58    | 0.1175|  |  |
| Sex           | F   | -0.3573  | 1.3326         | 115| -0.27   | 0.7891|  |  |
| Sex           | M   | 0        |                |    |         |       |  |  |
| Length__cm__  |     | -0.2204  | 0.3131         | 115| -0.70   | 0.4830|  |  |
| Scale         |     | 50.3092  | 6.6346         |    |         |       |  |  |

Type III Tests of Fixed Effects

| Effect      | Num DF | Den DF | F Value | Pr > F |
|-------------|--------|--------|---------|--------|
| Sex         | 1      | 115    | 0.07    | 0.7891 |
| Length__cm__| 1      | 115    | 0.50    | 0.4830 |

Resistance R17 Predicted by Birth Length and sex in the Term Infants at Day 1
### Parameter Estimates

| Effect     | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|------------|-----|----------|----------------|----|---------|------|--|------|
| Intercept  |     | 16.7204  | 9.7956         | 115| 1.71    | 0.0905| |
| Sex        | F   | -0.5815  | 0.8229         | 115| -0.71   | 0.4812| |
| Sex        | M   | 0        |                |    |         |       | |
| Length cm  |     | -0.1124  | 0.1934         | 115| -0.58   | 0.5622| |
| Scale      |     | 19.1857  | 2.5301         |    |         |       | |

### Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.50    | 0.4812 |
| Length cm  | 1      | 115    | 0.34    | 0.5622 |

Resistance R19 Predicted by Birth Length and sex in the Term Infants at Day 1
### Parameter Estimates

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|------|---|
| Intercept  |     | 10.3736  | 12.9748        | 115 | 0.80    | 0.4256 |   |
| Sex        | F   | -0.2458  | 1.0900         | 115 | -0.23   | 0.8220 |   |
| Sex        | M   | 0        |                |     |         |       |   |
| Length__cm_ |    | 0.1067   | 0.2561         | 115 | 0.42    | 0.6777 |   |
| Scale      |     | 33.6603  | 4.4390         |     |         |       |   |

### Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.05    | 0.8220 |
| Length__cm_ | 1      | 115    | 0.17    | 0.6777 |
Resistance R29 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect     | Sex | Estimate | Standard Error | DF   | t Value | Pr > |t|   |
|------------|-----|----------|----------------|------|---------|------|----|---|
| Intercept  |     | 9.8470   | 9.9478         | 115  | 0.99    | 0.3243 |    |   |
| Sex        | F   | -0.6324  | 0.8357         | 115  | -0.76   | 0.4507 |    |   |
| Sex        | M   | 0        | .              |      | .       | .    |    |   |
| Length__cm_ |     | 0.06430  | 0.1964         | 115  | 0.33    | 0.7439 |    |   |
| Scale      |     | 19.7864  | 2.6093         |      | .       | .    |    |   |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.57    | 0.4507 |
| Length__cm_ | 1      | 115    | 0.11    | 0.7439 |

Resistance R29 Predicted by Birth Length and sex in the Term Infants at Day 1
Resistance R31 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect      | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|-------------|-----|----------|----------------|-----|---------|------|---|-----|
| Intercept   |     | 15.1455  | 8.3244         | 115 | 1.82    | 0.0715 |
| Sex         | F   | -0.8477  | 0.6993         | 115 | -1.21   | 0.2279 |
| Sex         | M   | 0        | .              | .   | .       | .    |
| Length__cm_ |     | -0.03175 | 0.1643         | 115 | -0.19   | 0.8471 |
| Scale       |     | 13.8555  | 1.8272         | .   | .       | .    |

Type III Tests of Fixed Effects

| Effect      | Num DF | Den DF | F Value | Pr > F |
|-------------|--------|--------|---------|--------|
| Sex         | 1      | 115    | 1.47    | 0.2279 |
| Length__cm_ | 1      | 115    | 0.04    | 0.8471 |

Resistance R31 Predicted by Birth Length and sex in the Term Infants at Day 1
The GLIMMIX Procedure

### Parameter Estimates

| Effect   | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|----------|-----|----------|----------------|-----|---------|------|------|
| Intercept|     | 17.3313  | 16.1151        | 115 | 1.08    | 0.2844 |
| Sex      | F   | -1.1291  | 1.3538         | 115 | -0.83   | 0.4060 |
| Sex      | M   | 0        | .              | .   | .       | .     |
| Length__cm__ |   | -0.01588 | 0.3181         | 115 | -0.05   | 0.9603 |
| Scale    |     | 51.9251  | 6.8477         | .   | .       | .     |

### Type III Tests of Fixed Effects

| Effect   | Num DF | Den DF | F Value | Pr > F |
|----------|--------|--------|---------|--------|
| Sex      | 1      | 115    | 0.70    | 0.4060 |
| Length__cm__ | 1 | 115 | 0.00 | 0.9603 |

Resistance R37 Predicted by Birth Length and sex in the Term Infants at Day 1
Resistance R41 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|------|---|
| Intercept  |     | 33.3098  | 14.6564        | 115 | 2.27    | 0.0249 |
| Sex        | F   | -1.3645  | 1.2313         | 115 | -1.11   | 0.2701 |
| Sex        | M   | 0        | .              | .   | .       | .    |
| Length__cm_ |     | -0.2775  | 0.2893         | 115 | -0.96   | 0.3394 |
| Scale      |     | 42.9507  | 5.6642         | .   | .       | .    |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 1.23    | 0.2701 |
| Length__cm_ | 1      | 115    | 0.92    | 0.3394 |

Resistance R41 Predicted by Birth Length and sex in the Term Infants at Day 1
Reactance X7 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|------|
| Intercept  |     | -52.9470 | 48.5969        | 115 | -1.09   | 0.2782 |
| Sex        | F   | -2.4084  | 4.0825         | 115 | -0.59   | 0.5564 |
| Sex        | M   | 0        | .              |     | .       | .     |
| Length__cm_ |    | 0.2101   | 0.9593         | 115 | 0.22    | 0.8270 |
| Scale      |     | 472.21   | 62.2726        |     | .       | .     |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.35    | 0.5564 |
| Length__cm_ | 1     | 115    | 0.05    | 0.8270 |
Reactance X11 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect          | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-----------------|-----|----------|----------------|----|---------|-------|---|---|
| Intercept       |     | -41.6183 | 29.3105        | 115| -1.42   | 0.1583|  |  |
| Sex             | F   | 0.6075   | 2.4623         | 115| 0.25    | 0.8056|  |  |
| Sex             | M   | 0        | .              | .  | .       | .     |  |  |
| Length__cm__    |     | 0.1959   | 0.5786         | 115| 0.34    | 0.7356|  |  |
| Scale           |     | 171.77   | 22.6530        | .  | .       | .     |  |  |

| Effect          | Num DF | Den DF | F Value | Pr > F |
|-----------------|--------|--------|---------|--------|
| Sex             | 1      | 115    | 0.06    | 0.8056 |
| Length__cm__    | 1      | 115    | 0.11    | 0.7356 |
## Reactance X13 Predicted by Birth Length and sex in the Term Infants at Day 1

### The GLIMMIX Procedure

#### Parameter Estimates

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------------|-----|----------|----------------|-----|---------|------|---|
| Intercept    |     | -40.0261 | 31.1016        | 115 | -1.29   | 0.2007 |   |
| Sex          | F   | 0.7295   | 2.6128         | 115 | 0.28    | 0.7806 |   |
|              | M   | 0        | .              | .   | .       | .     |   |
| Length__cm_  |     | 0.1816   | 0.6139         | 115 | 0.30    | 0.7679 |   |
| Scale        |     | 193.41   | 25.5062        | .   | .       | .     |   |

#### Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.08    | 0.7806 |
| Length__cm_  | 1      | 115    | 0.09    | 0.7679 |
Reactance X17 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect     | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|------------|-----|----------|----------------|----|---------|------|---|
| Intercept  |     | -65.9063 | 22.6681        | 115| -2.91   | 0.0044 |
| Sex        | F   | 0.8472   | 1.9043         | 115| 0.44    | 0.6572 |
| Sex        | M   | 0        | .              | .  | .       | .    |
| Length__cm_ |    | 0.7778   | 0.4474         | 115| 1.74    | 0.0849 |
| Scale      |     | 102.74   | 13.5490        | .  | .       | .    |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.20    | 0.6572 |
| Length__cm_ | 1     | 115    | 3.02    | 0.0849 |

Reactance X17 Predicted by Birth Length and sex in the Term Infants at Day 1
Reactance X19 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect     | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|------------|-----|----------|----------------|----|---------|------|---|
| Intercept  |     | -38.2158 | 13.4674        | 115| -2.84   | 0.0054 |
| Sex        | F   | 0.6171   | 1.1314         | 115| 0.55    | 0.5865 |
| Sex        | M   | 0        | .              | .  | .       | .    |
| Length__cm_|     | 0.3992   | 0.2658         | 115| 1.50    | 0.1359 |
| Scale      |     | 36.2642  | 4.7824         | .  | .       | .    |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.30    | 0.5865 |
| Length__cm_| 1      | 115    | 2.26    | 0.1359 |
The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------------|-----|----------|----------------|-----|---------|------|------|
| Intercept    | -54.5665 | 20.1349  | 115            | -2.71 | 0.0078 |
| Sex          | F   | -0.1676  | 1.6915         | 115 | -0.10   | 0.9213 |
| Sex          | M   | 0        | .              | .   | .       | .    |
| Length__cm__ | 0.7371 | 0.3974   | 115            | 1.85 | 0.0662 |
| Scale        | 81.0611 | 10.6900  | .              | .   | .       | .    |

Type III Tests of Fixed Effects

| Effect     | Num DF | Den DF | F Value | Pr > F |
|------------|--------|--------|---------|--------|
| Sex        | 1      | 115    | 0.01    | 0.9213 |
| Length__cm__ | 1      | 115    | 3.44    | 0.0662 |

Reactance X23 Predicted by Birth Length and sex in the Term Infants at Day 1
Reactance X29 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect   | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|----------|-----|----------|---------------|-----|---------|------|-----|
| Intercept|     | -18.1215 | 10.4332       | 115 | -1.74   | 0.0851 |
| Sex      | F   | -0.5042  | 0.8765        | 115 | -0.58   | 0.5662 |
| Sex      | M   | 0        | .             | .   |         | .    |
| Length__cm__ |     | 0.1752   | 0.2059        | 115 | 0.85    | 0.3967 |
| Scale    |     | 21.7646  | 2.8702        | .   |         | .    |

Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.33    | 0.5662 |
| Length__cm__ | 1      | 115    | 0.72    | 0.3967 |

Reactance X29 Predicted by Birth Length and sex in the Term Infants at Day 1
The GLIMMIX Procedure

Parameter Estimates

| Effect   | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|----------|-----|----------|----------------|----|---------|-------|
| Intercept|     | -12.6676 | 10.2291        | 115| -1.24   | 0.2181|
| Sex      | F   | -0.3984  | 0.8593         | 115| -0.46   | 0.6438|
| Sex      | M   | 0        | .              | .  | .       | .     |
| Length__cm__ | | 0.1196  | 0.2019        | 115| 0.59    | 0.5546|
| Scale    |     | 20.9212  | 2.7590         | .  | .       | .     |

Type III Tests of Fixed Effects

| Effect   | Num DF | Den DF | F Value | Pr > F |
|----------|--------|--------|---------|--------|
| Sex      | 1      | 115    | 0.21    | 0.6438|
| Length__cm__ | 1    | 115    | 0.35    | 0.5546|

Reactance X31 Predicted by Birth Length and sex in the Term Infants at Day 1
Reactance X37 Predicted by Birth Length and sex in the Term Infants at Day 1

The GLIMMIX Procedure

### Parameter Estimates

| Effect      | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-------------|-----|----------|----------------|----|---------|------|--|---|
| Intercept   |     | -7.7469  | 14.9333        | 115| -0.52   | 0.6049|   |
| Sex         | F   | -1.0718  | 1.2545         | 115| -0.85   | 0.3947|   |
| Sex         | M   | 0        |                |    |         |       |   |
| Length\_\_cm\_ |   | 0.001069 | 0.2948         | 115| 0.00    | 0.9971|   |
| Scale       |     | 44.5889  | 5.8802         |    |         |       |   |

### Type III Tests of Fixed Effects

| Effect      | Num DF | Den DF | F Value | Pr > F |
|-------------|--------|--------|---------|--------|
| Sex         | 1      | 115    | 0.73    | 0.3947 |
| Length\_\_cm\_ | 1    | 115    | 0.00    | 0.9971 |

Reactance X37 Predicted by Birth Length and sex in the Term Infants at Day 1
### Reactance X41 Predicted by Birth Length and sex in the Term Infants at Day 1

#### The GLIMMIX Procedure

| Effect      | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-------------|-----|----------|----------------|----|---------|-------|---|
| Intercept   |     | -12.2510 | 19.3032        | 115| -0.63   | 0.5269 |
| Sex         | F   | -1.0234  | 1.6216         | 115| -0.63   | 0.5292 |
| Sex         | M   | 0        | .              | .  | .       | .     |
| Length__cm__|     | 0.1311   | 0.3810         | 115| 0.34    | 0.7314 |

#### Type III Tests of Fixed Effects

| Effect      | Num DF | Den DF | F Value | Pr > F |
|-------------|--------|--------|---------|--------|
| Sex         | 1      | 115    | 0.40    | 0.5292 |
| Length__cm__| 1      | 115    | 0.12    | 0.7314 |
**AX Predicted by Birth Length and sex in the Term Infants at Day 1**

**The GLIMMIX Procedure**

| Effect     | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------|-----|----------|----------------|-----|---------|-------|
| Intercept  |     | 1126.29  | 563.97         | 115 | 2.00    | 0.0482|
| Sex        | F   | -0.2030  | 47.3783        | 115 | -0.00   | 0.9966|
| Sex        | M   | 0        | .              | .   | .       | .     |
| Length__cm_ |    | -10.0244 | 11.1323        | 115 | -0.90   | 0.3697|
| Scale      |     | 63595    | 8386.72        | .   | .       | .     |

**Type III Tests of Fixed Effects**

| Effect    | Num DF | Den DF | F Value | Pr > F |
|-----------|--------|--------|---------|--------|
| Sex       | 1      | 115    | 0.00    | 0.9966 |
| Length__cm_ | 1      | 115    | 0.81    | 0.3697 |

**AX Predicted by Birth Length and sex in the Term Infants at Day 1**
Resistance R7 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t|  |
|--------------|-----|----------|----------------|-----|---------|-------|
| Intercept    |     | 32.3087  | 7.8052         | 115 | 4.14    | <.0001 |
| Sex          | F   | -0.6114  | 2.1393         | 115 | -0.29   | 0.7756 |
| Sex          | M   | 0        | .              | .   | .       | .     |
| Birthweight__g_ |     | -0.00006 | 0.002312       | 115 | -0.03   | 0.9794 |
| Scale        |     | 132.52   | 17.4769        |     |         |       |

Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.08    | 0.7756 |
| Birthweight__g_ | 1      | 115    | 0.00    | 0.9794 |

Resistance R7 Predicted by Birth Weight and sex in the Term Infants at Day 1
### Parameter Estimates

| Effect           | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------------|-----|----------|----------------|-----|---------|-------|
| Intercept        |     | 27.4726  | 4.9474         | 115 | 5.55    | < .0001 |
| Sex              | F   | -2.4126  | 1.3560         | 115 | -1.78   | 0.0779 |
| Sex              | M   | 0        | .              | .   | .       | .     |
| Birthweight_g    |     | -0.00114 | 0.001466       | 115 | -0.77   | 0.4403 |
| Scale            |     | 53.2458  | 7.0219         | .   | .       | .     |

### Type III Tests of Fixed Effects

| Effect         | Num DF | Den DF | F Value | Pr > F |
|----------------|--------|--------|---------|--------|
| Sex            | 1      | 115    | 3.17    | 0.0779 |
| Birthweight_g  | 1      | 115    | 0.60    | 0.4403 |

Resistance R11 Predicted by Birth Weight and sex in the Term Infants at Day 1
### Parameter Estimates

| Effect           | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|------------------|-----|----------|----------------|-----|---------|------|---|
| Intercept        |     | 30.9244  | 5.8275         | 115 | 5.31    | <.0001|
| Sex              | F   | -2.3542  | 1.5972         | 115 | -1.47   | 0.1432|
| Sex              | M   | 0        | .              | .   | .       |      |
| Birthweight_g_   |     | -0.00173 | 0.001727       | 115 | -1.00   | 0.3196|
| Scale            |     | 73.8746  | 9.7423         | .   | .       |      |

### Type III Tests of Fixed Effects

| Effect           | Num DF | Den DF | F Value | Pr > F |
|------------------|--------|--------|---------|--------|
| Sex              | 1      | 115    | 2.17    | 0.1432|
| Birthweight_g_   | 1      | 115    | 1.00    | 0.3196|
Resistance R17 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t|  |
|--------------|-----|----------|----------------|-----|---------|------|---|---|
| Intercept    |     | 14.3905  | 4.8192         | 115 | 2.99    | 0.0035 |   |   |
| Sex          | F   | -0.1907  | 1.3209         | 115 | -0.14   | 0.8855 |   |   |
| Sex          | M   | 0        |                |     | .       | .     |   |   |
| Birthweight__g_ |     | -0.00016 | 0.001428       | 115 | -0.11   | 0.9134 |   |   |
| Scale        |     | 50.5206  | 6.6625         |     | .       | .     |   |   |

Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.02    | 0.8855 |
| Birthweight__g_ | 1    | 115    | 0.01    | 0.9134 |

Resistance R17 Predicted by Birth Weight and sex in the Term Infants at Day 1
Resistance R19 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------------|-----|----------|----------------|----|---------|------|---|
| Intercept    |     | 10.4806  | 2.9737         | 115| 3.52    | 0.0006|
| Sex F        |     | -0.4657  | 0.8150         | 115| -0.57   | 0.5688|
| Sex M        |     | 0        | .              | .  | .       | .    |  |
| Birthweight__g___ | | 0.000168 | 0.000881       | 115| 0.19    | 0.8492|
| Scale        |     | 19.2359  | 2.5388         |    | .       | .    |  |

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.33    | 0.5688 |
| Birthweight__g___ | 1  | 115    | 0.04    | 0.8492 |

Resistance R19 Predicted by Birth Weight and sex in the Term Infants at Day 1
The GLIMMIX Procedure

Parameter Estimates

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------------|-----|----------|----------------|-----|---------|------|--|------|
| Intercept    |     | 12.5120  | 3.9244         | 115 | 3.19    | 0.0018 | |
| Sex          | F   | -0.2133  | 1.0756         | 115 | -0.20   | 0.8432 | |
| Sex          | M   | 0        | .              | .   | .       | .     | |
| Birthweight__g__ |   | 0.000984 | 0.001163       | 115 | 0.85    | 0.3993 | |
| Scale        |     | 33.5025  | 4.4182         | .   | .       | .     | |

Type III Tests of Fixed Effects

| Effect        | Num DF | Den DF | F Value | Pr > F |
|---------------|--------|--------|---------|--------|
| Sex           | 1      | 115    | 0.04    | 0.8432 |
| Birthweight__g__ | 1     | 115    | 0.72    | 0.3993 |

Resistance R23 Predicted by Birth Weight and sex in the Term Infants at Day 1
Resistance R29 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect      | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-------------|-----|----------|----------------|----|---------|-------|---|
| Intercept   |     | 11.4265  | 3.0131         | 115| 3.79    | 0.0002|
| Sex         | F   | -0.6238  | 0.8259         | 115| -0.76   | 0.4516|
| Sex         | M   | 0        | .              | .  | .       | .     |
| Birthweight__g__ |  | 0.000505 | 0.000893       | 115| 0.57    | 0.5727|
| Scale       |     | 19.7498  | 2.6045         | .  | .       | .     |

| Effect      | Num DF | Den DF | F Value | Pr > F |
|-------------|---------|--------|---------|--------|
| Sex         | 1       | 115    | 0.57    | 0.4516|
| Birthweight__g__ | 1       | 115    | 0.32    | 0.5727|

Resistance R29 Predicted by Birth Weight and sex in the Term Infants at Day 1
Resistance R31 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect          | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t|  |
|-----------------|-----|----------|----------------|-----|---------|------|---|---|
| Intercept       |     | 13.7612  | 2.5241         | 115 | 5.45    | <.0001|
| Sex             | F   | -0.8292  | 0.6918         | 115 | -1.20   | 0.2332|
| Sex             | M   | 0        | .              | .   | .       | .    |
| Birthweight__g_ |     | -0.00007 | 0.000748       | 115 | -0.09   | 0.9290|
| Scale           |     | 13.8591  | 1.8277         | .   | .       | .    |

| Effect          | Num DF | Den DF | F Value | Pr > F |
|-----------------|---------|--------|---------|--------|
| Sex             | 1       | 115    | 1.44    | 0.2332 |
| Birthweight__g_ | 1       | 115    | 0.01    | 0.9290 |

Resistance R31 Predicted by Birth Weight and sex in the Term Infants at Day 1
Resistance R37 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect          | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-----------------|-----|----------|----------------|----|---------|------|--|---|
| Intercept       |     | 15.7498  | 4.8852         | 115| 3.22    | 0.0016|  |
| Sex             | F   | -1.0864  | 1.3390         | 115| -0.81   | 0.4188|  |
| Sex             | M   | 0        | .              | .  | .       | .    |  |
| Birthweight__g__|     | 0.000235 | 0.001447       | 115| 0.16    | 0.8713|  |

Scale

| Effect        | Num DF | Den DF | F Value | Pr > F |
|---------------|--------|--------|---------|--------|
| Sex           | 1      | 115    | 0.66    | 0.4188 |
| Birthweight__g__ | 1    | 115    | 0.03    | 0.8713 |
### Parameter Estimates

| Effect         | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|----------------|-----|----------|----------------|----|---------|------|---|
| Intercept      |     | 22.5013  | 4.4507         | 115| 5.06    | <.0001|   |
| Sex            | F   | -1.2516  | 1.2199         | 115|-1.03   | 0.3070|   |
| Sex            | M   | 0        | .              | .  | .       | .    |   |
| Birthweight__g_|     | -0.00097 | 0.001319       | 115|-0.74   | 0.4613|   |
| Scale          |     | 43.0897  | 5.6825         | .  | .       | .    |   |

### Type III Tests of Fixed Effects

| Effect          | Num DF | Den DF | F Value | Pr > F |
|-----------------|--------|--------|---------|--------|
| Sex             | 1      | 115    | 1.05    | 0.3070 |
| Birthweight__g_ | 1      | 115    | 0.55    | 0.4613 |
The GLIMMIX Procedure

Parameter Estimates

| Effect       | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------------|-----|----------|----------------|----|---------|-------|
| Intercept    |     | -49.3284 | 14.7214        | 115| -3.35   | 0.0011|
| Sex          | F   | -2.3221  | 4.0349         | 115| -0.58   | 0.5661|
| Sex          | M   | 0        | .              | .  | .       | .     |
| Birthweight__g__ |     | 0.002117 | 0.004362       | 115| 0.49    | 0.6284|

Scale

Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.33    | 0.5661 |
| Birthweight__g__ | 1     | 115    | 0.24    | 0.6284 |

Reactance X7 Predicted by Birth Weight and sex in the Term Infants at Day 1
Reactance X11 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------------|-----|----------|----------------|----|---------|------|---|
| Intercept    |     | -39.8852 | 8.8566         | 115| -4.50   | <.0001 |
| Sex          | F   | 0.7496   | 2.4275         | 115| 0.31    | 0.7580 |
| Sex          | M   | 0        | .              | .  | .       | .    |
| Birthweight__g__ |     | 0.002468 | 0.002624       | 115| 0.94    | 0.3489 |

Scale

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.10    | 0.7580 |
| Birthweight__g__ | 1      | 115    | 0.88    | 0.3489 |
Reactance X13 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------------|-----|----------|----------------|----|---------|------|---|
| Intercept    |     | -37.5657 | 9.4112         | 115| -3.99   | 0.0001|
| Sex          | F   | 0.8292   | 2.5795         | 115| 0.32    | 0.7485|
| Birthweight__g__ | M   | 0        | .              | .  | .       | .    |
| Scale        |     | 192.67   | 25.4084        | .  | .       | .    |

Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.10    | 0.7485 |
| Birthweight__g__ | 1 | 115 | 0.53 | 0.4680 |
### The GLIMMIX Procedure

#### Parameter Estimates

| Effect          | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-----------------|-----|----------|----------------|----|---------|-------|---|---|
| Intercept       |     | -37.9157 | 6.8781         | 115| -5.51   | <.0001|   |   |
| Sex             | F   | 0.6174   | 1.8852         | 115| 0.33    | 0.7439|   |   |
| Sex             | M   | 0        | .              | .  | .       | .     |   |   |
| Birthweight__g_ |     | 0.003426 | 0.002038       | 115| 1.68    | 0.0955|   |   |
| Scale           |     | 102.91   | 13.5715        | .  | .       | .     |   |   |

#### Type III Tests of Fixed Effects

| Effect               | Num DF | Den DF | F Value | Pr > F |
|----------------------|--------|--------|---------|--------|
| Sex                  | 1      | 115    | 0.11    | 0.7439 |
| Birthweight__g_      | 1      | 115    | 2.83    | 0.0955 |

Reactance X17 Predicted by Birth Weight and sex in the Term Infants at Day 1
Reactance X19 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect        | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|---------------|-----|----------|----------------|-----|---------|------|---|
| Intercept     |     | -23.9147 | 4.0846         | 115 | -5.85   | <.0001 |   |
| Sex           | F   | 0.5017   | 1.1195         | 115 | 0.45    | 0.6549 |   |
| Sex           | M   | 0        | .              | .   | .       | .    |   |
| Birthweight___g___ | 0.001779 | 0.001210 | 115 | 1.47    | 0.1443 |   |
| Scale         |     | 36.2936  | 4.7863         | .   | .       | .    |   |

Type III Tests of Fixed Effects

| Effect         | Num DF | Den DF | F Value | Pr > F |
|----------------|--------|--------|---------|--------|
| Sex            | 1      | 115    | 0.20    | 0.6549 |
| Birthweight___g___ | 1      | 115    | 2.16    | 0.1443 |
Reactance X23 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect               | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|----------------------|-----|----------|----------------|-----|---------|------|---|
| Intercept            |     | -28.2087 | 6.1075         | 115 | -4.62   | <.0001 |
| Sex                  | F   | -0.3790  | 1.6740         | 115 | -0.23   | 0.8213 |
| Birthweight__g__     |     | 0.003297 | 0.001809       | 115 | 1.82    | 0.0710 |

Type III Tests of Fixed Effects

| Effect               | Num DF | Den DF | F Value | Pr > F |
|----------------------|--------|--------|---------|--------|
| Sex                  | 1      | 115    | 0.05    | 0.8213 |
| Birthweight__g__     | 1      | 115    | 3.32    | 0.0710 |
Reactance X29 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------------|-----|----------|----------------|-----|---------|------|---|
| Intercept    |     | -11.8924 | 3.1632         | 115 | -3.76   | 0.0003 |   |
| Sex          | F   | -0.5531  | 0.8670         | 115 | -0.64   | 0.5247 |   |
| Sex          | M   | 0        | .              | .   | .       | .     |   |
| Birthweight__g__ |   | 0.000795 | 0.000937       | 115 | 0.85    | 0.3983 |   |
| Scale        |     | 21.7655  | 2.8703         | .   | .       | .     |   |

| Effect           | Num DF | Den DF | F Value | Pr > F |
|------------------|--------|--------|---------|--------|
| Sex              | 1      | 115    | 0.41    | 0.5247 |
| Birthweight__g__ | 1      | 115    | 0.72    | 0.3983 |
Reactance X31 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

| Effect            | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|-------------------|-----|----------|----------------|----|---------|-------|---|
| Intercept         |     | -8.9595  | 3.0979         | 115| -2.89   | 0.0046|
| Sex               | F   | -0.4113  | 0.8491         | 115| -0.48   | 0.6290|
| Sex               | M   | 0        | .              | .  | .       | .     |
| Birthweight_g     |     | 0.000708 | 0.000918       | 115| 0.77    | 0.4424|

Scale 20.8772 2.7532 .

Type III Tests of Fixed Effects

| Effect             | Num | Den DF | DF | F Value | Pr > F |
|--------------------|-----|--------|----|---------|--------|
| Sex                | 1   | 115    | 0.23| 0.6290  |
| Birthweight_g      | 1   | 115    | 0.59| 0.4424  |

Reactance X31 Predicted by Birth Weight and sex in the Term Infants at Day 1
Reactance X37 Predicted by Birth Weight and sex in the Term Infants at Day 1

**The GLIMMIX Procedure**

| Effect       | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|--------------|-----|----------|----------------|-----|---------|------|---|
| Intercept    |     | -11.0318 | 4.5163         | 115 | -2.44   | 0.0161|
| Sex          | F   | -0.9471  | 1.2379         | 115 | -0.77   | 0.4458|
| Sex          | M   | 0        | .              | .   | .       | .    |
| Birthweight__g__ |   | 0.001008 | 0.001338       | 115 | 0.75    | 0.4526|
| Scale        |     | 44.3698  | 5.8513         | .   | .       | .    |

| Effect       | Num | Den | F Value | Pr > F |
|--------------|-----|-----|---------|--------|
| Sex          | 1   | 115 | 0.59    | 0.4458|
| Birthweight__g__ | 1  | 115 | 0.57    | 0.4526|

Reactance X37 Predicted by Birth Weight and sex in the Term Infants at Day 1
Reactance X41 Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

Parameter Estimates

| Effect          | Sex | Estimate | Standard Error | DF  | t Value | Pr > |t| |
|-----------------|-----|----------|----------------|-----|---------|------|---|
| Intercept       |     | -12.3833 | 5.8199         | 115 | -2.13   | 0.0355 |   |
| Sex             | F   | -0.8796  | 1.5952         | 115 | -0.55   | 0.5824 |   |
|     | M   | 0        | .              | .   | .       | .     |   |
| Birthweight__g_ |     | 0.002042 | 0.001724       | 115 | 1.18    | 0.2387 |   |
| Scale           |     | 73.6807  | 9.7167         | .   | .       | .     |   |

Type III Tests of Fixed Effects

| Effect          | Num DF | Den DF | F Value | Pr > F |
|-----------------|--------|--------|---------|--------|
| Sex             | 1      | 115    | 0.30    | 0.5824 |
| Birthweight__g_ | 1      | 115    | 1.40    | 0.2387 |

Reactance X41 Predicted by Birth Weight and sex in the Term Infants at Day 1
AX Predicted by Birth Weight and sex in the Term Infants at Day 1

The GLIMMIX Procedure

### Parameter Estimates

| Effect       | Sex | Estimate | Standard Error | DF | t Value | Pr > |t| |
|--------------|-----|----------|----------------|----|---------|------|--|---|
| Intercept    |     | 809.20   | 170.63         | 115| 4.74    | <.0001|
| Sex          | F   | 1.1153   | 46.7680        | 115| 0.02    | 0.9810|
| Sex          | M   | 0        | .              | .  | .       | .    |
| Birthweight__g__ |   | -0.05734 | 0.05055        | 115| -1.13   | 0.2591|
| Scale        |     | 63335    | 8352.42        | .  | .       | .    |

### Type III Tests of Fixed Effects

| Effect       | Num DF | Den DF | F Value | Pr > F |
|--------------|--------|--------|---------|--------|
| Sex          | 1      | 115    | 0.00    | 0.9810 |
| Birthweight__g__ | 1     | 115    | 1.29    | 0.2591 |

AX Predicted by Birth Weight and sex in the Term Infants at Day 1