void displayDataRate(void)

{

Serial.print ("Data Rate: ");

switch(accel.getDataRate())

{

case ADXL345\_DATARATE\_3200\_HZ:

Serial.print ("3200 ");

break;

case ADXL345\_DATARATE\_1600\_HZ:

Serial.print ("1600 ");

break;

case ADXL345\_DATARATE\_800\_HZ:

Serial.print ("800 ");

break;

case ADXL345\_DATARATE\_400\_HZ:

Serial.print ("400 ");

break;

case ADXL345\_DATARATE\_200\_HZ:

Serial.print ("200 ");

break;

case ADXL345\_DATARATE\_100\_HZ:

Serial.print ("100 ");

break;

case ADXL345\_DATARATE\_50\_HZ:

Serial.print ("50 ");

break;

case ADXL345\_DATARATE\_25\_HZ:

Serial.print ("25 ");

break;

case ADXL345\_DATARATE\_12\_5\_HZ:

Serial.print ("12.5 ");

break;

case ADXL345\_DATARATE\_6\_25HZ:

Serial.print ("6.25 ");

break;

case ADXL345\_DATARATE\_3\_13\_HZ:

Serial.print ("3.13 ");

break;

case ADXL345\_DATARATE\_1\_56\_HZ:

Serial.print ("1.56 ");

break;

case ADXL345\_DATARATE\_0\_78\_HZ:

Serial.print ("0.78 ");

break;

case ADXL345\_DATARATE\_0\_39\_HZ:

Serial.print ("0.39 ");

break;

case ADXL345\_DATARATE\_0\_20\_HZ:

Serial.print ("0.20 ");

break;

case ADXL345\_DATARATE\_0\_10\_HZ:

Serial.print ("0.10 ");

break;

default:

Serial.print ("???? ");

break;

}

Serial.println(" Hz");

}

void displayRange(void)

{

Serial.print ("Range: +/- ");

switch(accel.getRange())

{

case ADXL345\_RANGE\_16\_G:

Serial.print ("16 ");

break;

case ADXL345\_RANGE\_8\_G:

Serial.print ("8 ");

break;

case ADXL345\_RANGE\_4\_G:

Serial.print ("4 ");

break;

case ADXL345\_RANGE\_2\_G:

Serial.print ("2 ");

break;

default:

Serial.print ("?? ");

break;

}

Serial.println(" g");

}