```
          data.humidity / 1000.0f);
        if (data.status & BME680_GASM_VALID_MSK) {
            printf(",  G: %ld ohms", data.gas_resistance);
        }
        printf("\r\n");
        init_spi_BME680();      //initialize spi for BME680 before transactions
        if (gas_sensor.power_mode == BME680_FORCED_MODE) {
            rslt = bme680_set_sensor_mode(&gas_sensor);
        }
    }
}

//*****************************************************************************
//
// Function Name        : "init_spi_BME680"
// Date                 : 5/9/20
// Version              : 1.0
// Target MCU           : SAML21J18B
// Target Hardware      ; BME680
// Author               : Brandon Cheung, Ishabul Haque
// DESCRIPTION
// Configures the SAML21J18B's SERCOM1 for SPI communication with the
// BME680. PA16 = MOSI, PA17 = SCK, PA19 = MISO, PB07 = CS.
//
// Warnings             : none
// Restrictions         : none
// Algorithms           : none
// References           : none
//
// Revision History     : Initial version
//
//*****************************************************************************
static void init_spi_BME680 (void) {
    REG_GCLK_PCHCTRL19 = 0x00000040;    /* SERCOM1 core clock not enabled by default */

    ARRAY_PORT_PINCFG0[16] |= 1;    /* allow pmux to set PA16 pin configuration */
    ARRAY_PORT_PINCFG0[17] |= 1;    /* allow pmux to set PA17 pin configuration */
```