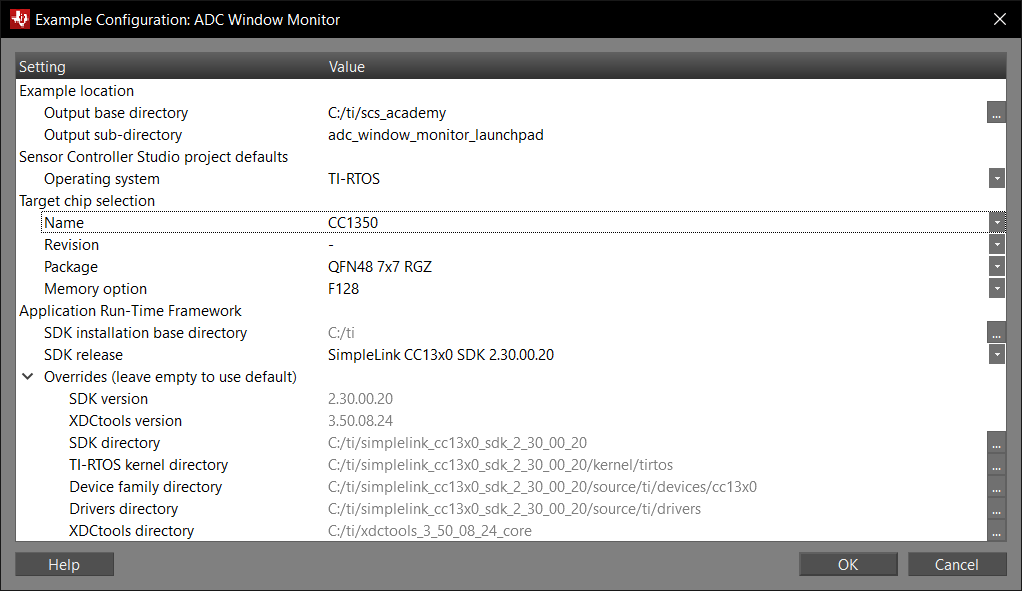
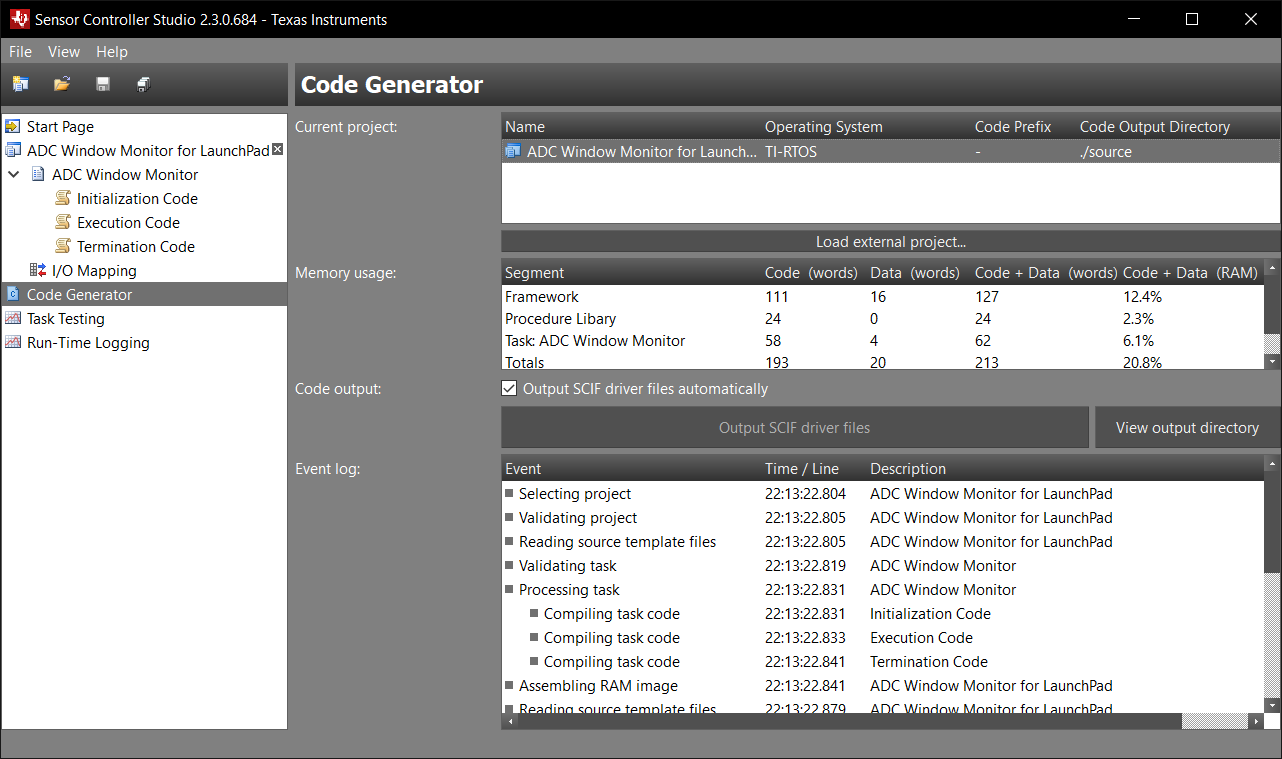
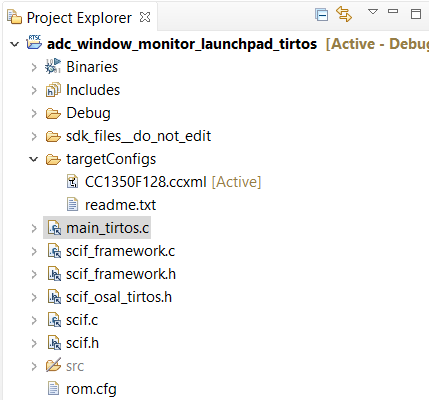
**Task 1:**



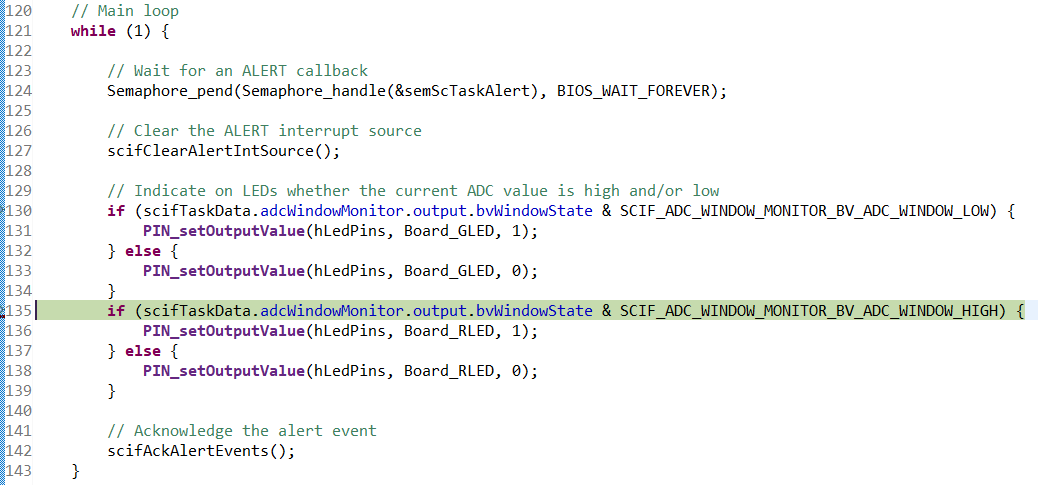


Successfully importing the project into CCS:

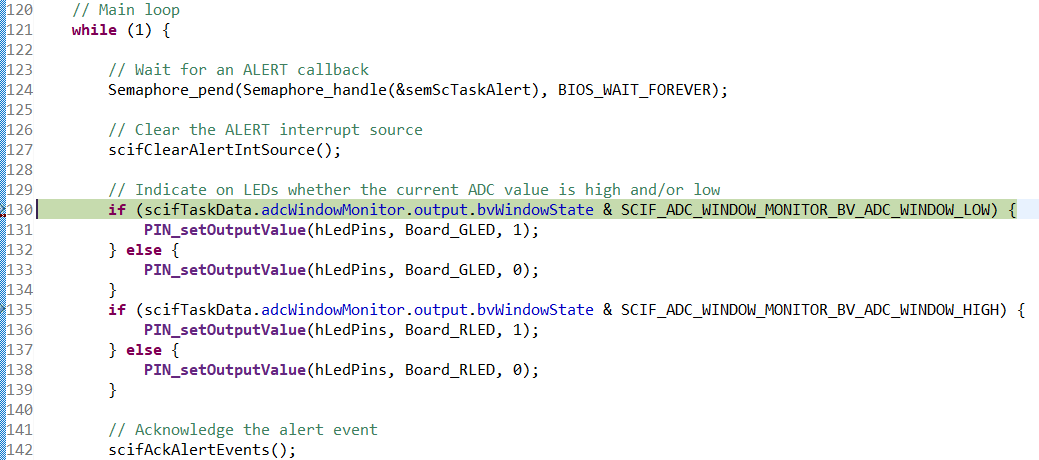


**Task 2:**

The breakpoint when the ADC reads the 3.3V:

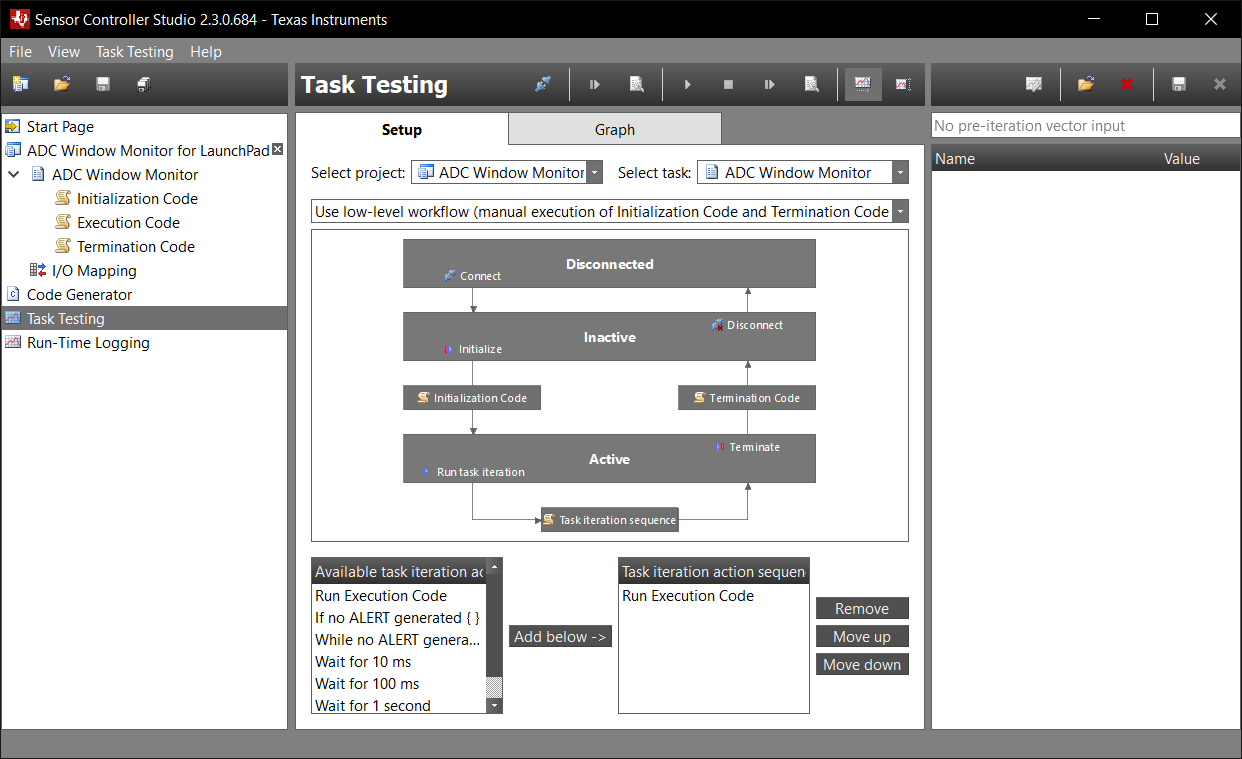


The breakpoint when the ADC reads the GND:

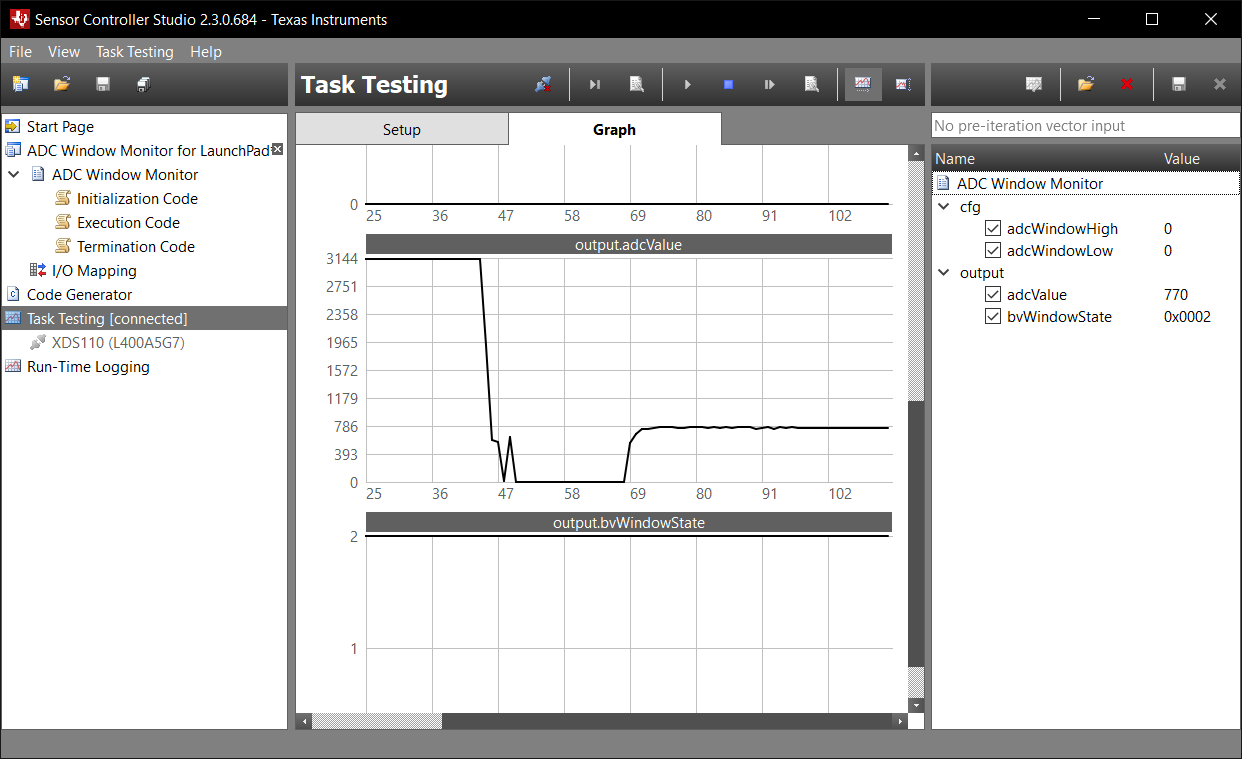


**Task 3:**

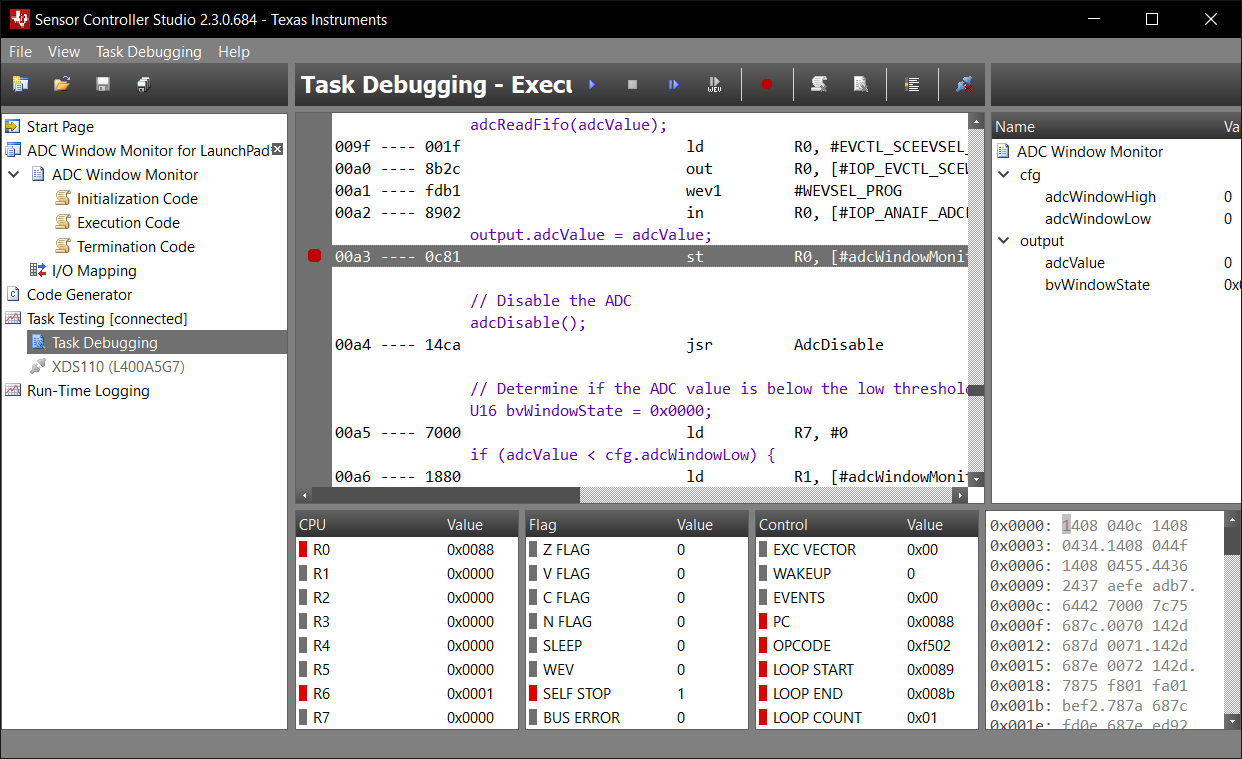
In Task Testing:



Alternating through the 3.3V and GND pins along with floating wire:



Placing a breakpoint at the ADC:



**Task 4:**

The PDF walks through how the main function operates in the project:

**int** **main**(**void**) {

Task\_Params taskParams;

// Initialize the board

Board\_initGeneral();

**#ifdef** Board\_shutDownExtFlash

Board\_shutDownExtFlash();

**#endif**

// Configure the OS task

Task\_Params\_init(&taskParams);

taskParams.stack = myTaskStack;

taskParams.stackSize = **sizeof**(myTaskStack);

taskParams.priority = 3;

Task\_construct(&myTask, taskFxn, &taskParams, NULL);

// Create the semaphore used to wait for Sensor Controller ALERT events

Semaphore\_Params semParams;

Semaphore\_Params\_init(&semParams);

semParams.mode = Semaphore\_Mode\_BINARY;

Semaphore\_construct(&semScTaskAlert, 0, &semParams);

// Start TI-RTOS

BIOS\_start();

**return** 0;

} // main