

## Outline

When using the CS+ integrated development environment, note the following point.

1. Saving trace data to a file

## 1. Saving Trace Data to a File

### 1.1 Applicable Products

(1) When the IECUBE for RL78 Family or the simulator for RL78 Family is used

- RL78 Family C Compiler Package (with IDE)  
The version of the CS+ for CC common program is from V3.00.00 to V4.01.00.
- [Evaluation edition] CS+ Integrated Development Environment for CC  
The version of the CS+ for CC common program is from V3.00.00 to V4.01.00.

(2) When the simulator for RH850 is used

- RH850 Family C Compiler Package (with IDE)  
The version of the CS+ for CC common program is from V3.00.00 to V4.01.00, or the version of the CubeSuite+ common program is V2.01.00 or later.
- [Evaluation edition] CS+ Integrated Development Environment for CC  
The version of the CS+ for CC common program is from V3.00.00 to V4.01.00.
- [Evaluation edition] CubeSuite+ Integrated Development Environment  
The version of the CubeSuite+ common program is V2.01.00 or later.

### 1.2 Details

When 1000 or more frames of trace data are saved in a file, the last frame might be saved twice with the same contents every 1000 frames.

Number	Time	Line/Address	Source/Disassemble	Address	Data
997		r_main.c#122	func2a();		
997	00h00min04s989ms637?s750ns	0x001ee	+6 CALL \$_func2a		
998	00h00min04s989ms637?s779ns			0xffe14	W 0
999	00h00min04s989ms637?s812ns			0xffe12	W 497
999	00h00min04s989ms637?s812ns			0xffe12	W 497
			_func2a:		
1000		r_main.c#127	void func2a(void)		
1000	00h00min04s989ms637?s841ns	0x001fc	+0 MOVW AX,#0AH		

Case in which trace data is stored in a file in order from trace number 0 and then a frame with the same contents is output as trace number 999

Figure 1 Example of Using IECUBE

Note that this phenomenon is caused by error when trace data is saved in a file and this does not mean that the CPU successively executes the same instruction twice. Additionally, data displayed in the trace panel has no problem.

### **1.3 Condition**

This error may occur when 1000 or more frames of trace data are saved in a file.

### **1.4 Workaround**

There is currently no way to prevent this problem.

If the last frame is saved twice with the same contents every 1000 frames, delete either one of them.

### **1.5 Schedule for Fixing the Problem**

This problem will be fixed in V5.00.00. (This revision will be available from January 20.)

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Jan. 16, 2017	-	First edition issued

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