

This picture is information when start up by using BreakPoint in Clock\_workFunc.  
We don't use clock.

The screenshot displays the TRACE32 PowerView for ARM debugger interface. The main window shows the source code of the `ti_sysbios_knl_Clock_workFunc_E` function in `Clock.c`. The code is at line 352, where a breakpoint is set. The code includes a while loop for processing clock tasks and a MISRA cast for object pointers.

Four auxiliary windows are open:

- B::Var.Watch**: Shows the value of `clockQElem` as `0x80059C5C`. Other variables like `clockQ`, `ast`, and `flags` are listed as unknown.
- B::Data.dump (0x80059C5C) /DIALOG**: A memory dump window showing a table of memory addresses and their contents in hexadecimal and ASCII. A red arrow points to the address `0x80059C5C` in the dump.
- B::Frame.view**: Shows the current stack frame for `ti_sysbios_knl_Clock_workFunc_E` with arguments `arg0 = ?, arg1 = ?`.
- B::Y.INFO NSD:0x80059C5C**: A variable information window for the address `0x80059C5C`. It shows the variable `ti_sysbios_knl_Clock_Module_state_V` with type `uint32_t` and scope `global static`. A red box highlights the variable name.

At the bottom, the status bar shows the current address `0x80059C5C = 2147851356` and the state `stopped at breakpoint`.

Objdump & map excerpt

```
.data_ti_sysbios_knl_Clock_Module__state__V
    0x80059c38    0x2c D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.oa15fg
    0x80059c38    ti_sysbios_knl_Clock_Module__state(void) volatile
ti_sysbios_heaps_HeapMem_Instance_State_0_buf__A
    0x200000    D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.oa15fg
    0x80082010    ti_sysbios_heaps_HeapMem_Instance_State_0_buf__A

80059c38 g    O .data    0000002c ti_sysbios_knl_Clock_Module__state__V
80082010 g    O .bss     00200000 ti_sysbios_heaps_HeapMem_Instance_State_0_buf__A
```

Objdump & map excerpt . . . Is this a task stack?

```
.data_ti_sysbios_BIOS_Module__state__V
0x80059a78 0x24 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059a78 ti_sysbios_BIOS_Module__state(void) volatile
.data_ti_sysbios_family_arm_a15_Mmu_Module__state__V
0x80059a9c 0x34 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059a9c ti_sysbios_family_arm_a15_Mmu_Module__state(void) volatile
.data_ti_sysbios_family_arm_a15_smp_Cache_Module__state__V
0x80059ad0 0x10 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059ad0 ti_sysbios_family_arm_a15_smp_Cache_Module__state(void) volatile
.data_ti_sysbios_family_arm_a15_smp_Core_Module__state__V
0x80059ae0 0x14 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059ae0 ti_sysbios_family_arm_a15_smp_Core_Module__state(void) volatile
.data_ti_sysbios_family_arm_exc_Exception_Module__state__V
0x80059af4 0x14 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059af4 ti_sysbios_family_arm_exc_Exception_Module__state(void) volatile
.data_ti_sysbios_family_arm_gic_Hwi_Module__state__V
0x80059b08 0xe4 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059b08 ti_sysbios_family_arm_gic_Hwi_Module__state(void) volatile
.data_ti_sysbios_family_arm_systimer_Timer_Module__state__V
0x80059bec 0x8 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059bec ti_sysbios_family_arm_systimer_Timer_Module__state(void) volatile
.data_ti_sysbios_family_shared_vayu_IntXbar_Module__state__V
0x80059bf4 0x4 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059bf4 ti_sysbios_family_shared_vayu_IntXbar_Module__state(void) volatile
.data_ti_sysbios_hal_SecondsClock_Module__state__V
0x80059bf8 0x3c D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059bf8 ti_sysbios_hal_SecondsClock_Module__state(void) volatile
.data_ti_sysbios_heaps_HeapBuf_Module__state__V
0x80059c34 0x4 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059c34 ti_sysbios_heaps_HeapBuf_Module__state(void) volatile
.data_ti_sysbios_knl_Clock_Module__state__V
0x80059c38 0x2c D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059c38 ti_sysbios_knl_Clock_Module__state(void) volatile
.data_ti_sysbios_knl_Swi_Module__state__V
0x80059c64 0x1c D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059c64 ti_sysbios_knl_Swi_Module__state(void) volatile
.data_ti_sysbios_knl_Task_Module_StateSmp_smpRunQ__A
0x80059c80 0x20 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059c80 ti_sysbios_knl_Task_Module_StateSmp_smpRunQ__A
.data_ti_sysbios_knl_Task_Module_StateSmp_sortedRunQ
0x80059ca0 0x8 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059ca0 ti_sysbios_knl_Task_Module_StateSmp_sortedRunQ
.data_ti_sysbios_knl_Task_Module__stateSmp__V
0x80059ca8 0x8 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059ca8 ti_sysbios_knl_Task_Module__stateSmp(void) volatile
.data_ti_sysbios_knl_Task_Module__state__V
0x80059cb0 0x48 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059cb0 ti_sysbios_knl_Task_Module__state(void) volatile
.data_ti_sysbios_rts_gnu_ReentSupport_Module__state__V
0x80059cf8 0x8 D:¥usr¥user¥_zz_ccs_ws¥ConfigMng05¥PJ_512E¥Debug¥configPkg¥package¥cfg¥main_pa15fg.0a15fg
0x80059cf8 ti_sysbios_rts_gnu_ReentSupport_Module__state(void) volatile
```