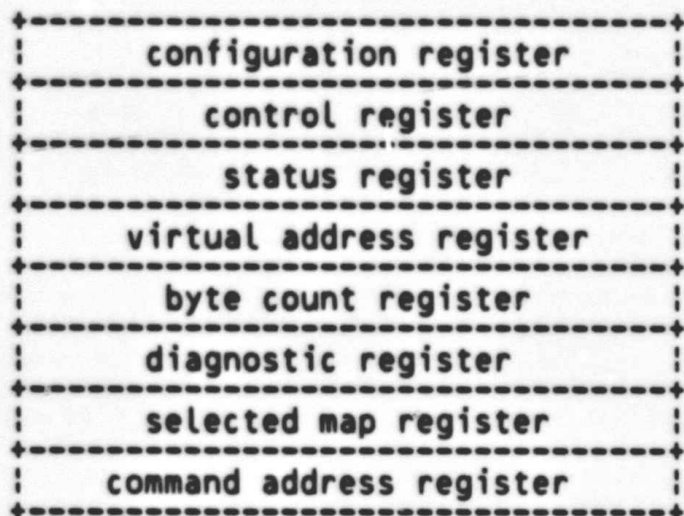


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This routine displays the massbus interrupt error log entry for the 11/780. The format of the error log record is as follows.



Subroutine RH780_INTERRUPT (lun)

include 'src\$:msghdr.for /nolist'

byte	lun
integer*4	rh780_control_register(6)
integer*4	diagnostic_register
integer*4	interrupt_pc
integer*4	interrupt_psl
integer*4	adapter_tr
integer*4	dummy_variable
integer*4	compress4
logical*1	diagnostic_mode
equivalence	(emb(16),rh780_control_register)
equivalence	(emb(36),diagnostic_register)
equivalence	(emb(40),adapter_tr)
equivalence	(emb(44),interrupt_pc)
equivalence	(emb(48),interrupt_psl)

call frctof (lun)

```
0116      call header (lun)
0117
0118      call logger (lun, 'RH' INTERRUPT')
0119
0120      diagnostic_mode = .false.
0121
0122      if (lib$extzv(3,1,rh780_control_register(2)) .eq. 1)
0123      1 diagnostic_mode = .true.
0124
0125      if (lib$extzv(0,4,diagnostic_register) .ne. 0) diagnostic_mode = .true.
0126
0127      call linchk (lun,2)
0128
0129      write(lun,5) interrupt_pc
0130 5      format(/' ',t8,'ERROR PC',t24,z8.8)
0131
0132      if (.not. diagnostic_mode) then
0133
0134      call vaxpsl (lun,interrupt_psl)
0135
0136      call linchk (lun,2)
0137
0138      write(lun,10) adapter_tr
0139 10     format(/' ',t8,'ADAPTER TR# ',i<compress4 (adapter_tr)>,'.')
0140
0141      call rh780_control_registers (lun,rh780_control_register,
0142      1 dummy_variable)
0143      else
0144
0145      call linchk (lun,11)
0146
0147      write(lun,15) interrupt_psl,adapter_tr,
0148      1 (rh780_control_register(i),i = 1,2)
0149 15     format(/' ',t8,'ERROR PSL',t24,z8.8,/,
0150      1 t8,'ADAPTER TR# ',i<compress4 (adapter_tr)>,'.',/,
0151      1 t8, 'RH' CSR',t24,z8.8,/,
0152      1 t8, 'RH' CR',t24,z8.8)
0153
0154      if (lib$extzv(3,1,rh780_control_register(2)) .eq. 1) then
0155
0156      call linchk (lun,1)
0157
0158      write(lun,30)
0159      endif
0160
0161      write(lun,20) (rh780_control_register(i),i = 3,5)
0162 20     format(' ',t8, 'RH' SR',t24,z8.8,/,
0163      1 t8, 'RH' VAR',t24,z8.8,/,
0164      1 t8, 'RH' BCR',t24,z8.8)
0165      endif
0166
0167      call linchk (lun,1)
0168
0169      write(lun,25) diagnostic_register
0170 25     format(' ',t8, 'RH' DR',t24,z8.8)
0171
0172      if (lib$extzv(0,4,diagnostic_register) .ne. 0) then
```

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