

This code reads in a smartlab *.ras file and writes out its RIETAN *.int format file.

```
character a1*100, a2*100, a3*100, a4*100
!
write (6,*) "filename of *.ras"
read (5,*) a1
!
write (6,*) "filename of *.int"
read (5,*) a2
!
open (1, file=a1)
open (2, file=a2)
!
istart=0
iend=0
do i=1, 1000000
!
    read (1,*) a3
!
    if (a3.eq."*RAS_INT_START") then
        write (6,*) a3
        istart=i
    end if
!
    if (a3.eq."*RAS_INT_END") then
        write (6,*) a3
        iend=i
        go to 1
    end if
!
end do
!
close (1)
open (1, file=a1)
!
a4="GENERAL"
write(2,'(a7)') a4
!
irow=iend-istart-1
write (2,*) irow
!
write (6,*) "number of rows", irow
!
do i=1, istart
    read (1,*) a3
```

```
end do
!  
do i=istart+1, iend-1  
!  
  read (1,*) x,y,z  
  write (2,*) x,y  
!  
  if (i.eq.istart+1) then  
  write (6,*) "top ",i,x,y  
  endif  
!  
  if (i.eq.iend-1) then  
  write (6,*) "bottom",i,x,y  
  endif  
!  
end do  
!  
close (1)  
close (2)  
!  
stop  
end
```