

```
subroutine avefgs(nfgs,fgs,mobs,npar,obs,nrobs,ipar)
dimension fgs(nfgs),obs(mobs,npar)
ave = 0.
do k = 1,nrobs
    ave = ave + obs(k,ipar)
enddo
ave = ave/float(nrobs)
write(6,*) 'use the average value:',ave,' as firstguess'
do k = 1,nfgs
    fgs(k) = ave
enddo
return
end
```