```
;;; combine the two plasma files into a single file with the info I want
;;; These are not really valid near the moons, but are good for large scale
;;; clouds

restore, '$HOME/NeutralModel/modelpro/data/CAPSplasma/Enceladus.plasma.sav'
ltemp = mtorus

restore, '$HOME/NeutralModel/modelpro/data/CAPSplasma/SOI.plasma.sav'

Mtorus = lgrid
LatTorus = latgrid

t_etorus = interpol(t_e, ltemp, mtorus)
t_wtorus = interpol(t_i[*,1], ltemp, mtorus)
t_htorus = interpol(t_i[*,0], ltemp, mtorus)

n_ehotgrid = n_egrid * .2/70.
t_ehottorus = t_etorus * 12.5/1.5

save, Mtorus, LatTorus, N_egrid, n_hgrid, n_wgrid, t_etorus, t_wtorus, t_htorus, $
  n_ehotgrid, t_ehottorus, $
  file='$HOME/NeutralModel/modelpro/data/CAPSplasma/SaturnPlasma.sav'

end
```