UT1\_DIN\_OP\_ratio <- read.csv('UT1\_DINOP\_Ratio.csv')

attach(UT1\_DIN\_OP\_ratio)

#Rdate <- strptime(as.character(Date),("%Y-%m-%d"))

#UT1\_DIN\_OP\_ratio <- data.frame(UT1\_DIN\_OP\_ratio,Rdate)

setSweave ('UT1\_DIN\_OP\_Ratio',6,6)

plot(Rdate,DINOOPRatio,type="line",col='forestgreen',lwd=0.75,ylim=c(0,40))

par(new = TRUE)

plot(Rdate,OPConcmm,type="line",lwd=0.75,xaxt = "n", yaxt = "n", ylab = "", xlab = "",ylim=c(0,0.015),col="orange")

points(Rdate,NO3Concmm,type='line',col='blue',lwd=0.75)

points(Rdate,NH4Concmm,type='line',col='red',lwd=0.75)

axis(side=4)

mtext("nutrient concentration",side=4,line=3)

legend("topleft",c("NP Ratio","Nitrate","OrthoP", 'Ammonium'),col=c("forestgreen","blue","orange","red"),lwd=c(0.5,0.5,0.5,0.5))

graphics.off()

### postscript format

postscript('/Users/joed/LTIMP\_TA/LTIMP\_TA2/EGRET/UT1/UT1BCDINOPRatio.ps',family="Courier", height=6, width=6)

attach(UT1\_DIN\_OP\_ratio)

#Rdate <- strptime(as.character(Date),("%Y-%m-%d"))

#UT1\_DIN\_OP\_ratio <- data.frame(UT1\_DIN\_OP\_ratio,Rdate)

#setSweave ('UT1\_DIN\_OP\_Ratio',6,6)

plot(Rdate,DINOOPRatio,type="line",col='forestgreen',lwd=0.75,ylim=c(0,50))

par(new = TRUE)

plot(Rdate,OPConcmm,type="line",lwd=0.75,xaxt = "n", yaxt = "n", ylab = "", xlab = "",ylim=c(0,0.006),col="orange")

points(Rdate,NO3Concmm,type='line',col='blue',lwd=0.75)

points(Rdate,NH4Concmm,type='line',col='red',lwd=0.75)

axis(side=4)

mtext("nutrient concentration",side=4,line=3)

legend("topleft",c("DIN OP Ratio","Nitrate","OrthoP", 'Ammonium'),col=c("forestgreen","blue","orange","red"),lwd=c(0.5,0.5,0.5,0.5))

graphics.off()