

```

args <- commandArgs(TRUE)
Method=args[1]
Shortname=args[2]
library(ncdf)
nd = open.ncdf("interpolations.nc")
x=get.var.ncdf(nd,"Original")
y=get.var.ncdf(nd,"Interpolations")
x[x==-1]=0
v <- array(x, length(x))
w <- array(y, length(y))
xx=x[!is.na(x) & x>=0 & x < 100]
yy=y[!is.na(x) & x>=0 & x < 100]
yyy=yy[!is.na(yy) & yy>=0 & yy < 100]
xxx=xx[!is.na(yy) & yy>=0 & yy < 100]
jpeg(filename=paste(Shortname,'jpg',sep='.'))
plot(xxx,yyy,pch=46,xlab='Original Value',ylab='Interpoltion',main=Method)
XC=cor(xxx,yyy)
ff <- lm(xxx ~ yyy)
ff$coefficients[1]
ff$coefficients[2]
z=ff$coefficients[1]*xxx + ff$coefficients[2]
#lines(xxx,z)
text(0,95,"Linear Regression",pos=4)
text(0,90,paste("Gradient =",format(ff$coefficients[1],digits=5)),pos=4)
text(0,85,paste("Intercept =",format(ff$coefficients[2],digits=5)),pos=4)
text(0,75,paste("Correlation coefficient =",format(XC,digits=5)),pos=4)
dev.off()

```