**Table S4.** Using the OperatSDI function to monitor drought in the State of São Paulo, Brazil

|  |
| --- |
| setwd("C:/MyWorkingDirectory") |
| parameters=read.csv("parameters.csv",sep=",",header = TRUE) |
| lonlat=read.csv("lonlat.csv", sep=",",header = TRUE); n=length(lonlat[,1]) |
| case.study.Operat=list() |
| a=2;b=14 |
| start <- Sys.time() |
| for (j in 1:n){ |
| lon=lonlat[j,1];lat=lonlat[j,2] |
| DistPar=as.matrix(parameters[,a:b]) |
| case.study.Operat[[j]]=OperatSDI(lon = lon, lat = lat, start.date = "2014-01-01", end.date = "2014-01-31", parms = DistPar) |
| a=a+13;b=b+13} |
| print( Sys.time() - start ) |
| write.csv(case.study.Operat,"case.study.Operat.csv") |