

T10 – Exportacion

Preparação de dados POIsAR

Data: 23/06/2013

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Read .bin and convert to .Rdata

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To Full Polarimetric SAR Data only

```
setwd("/Users/tonny.medeiros/Desktop/Site_Dados/SanFrancisco_C3/")
read.PolSARpro <- function (path){ require(caTools)

#Real part C11 <- read.ENVI( filename = paste(path, "C11.bin", sep = "") ) C22 <- read.ENVI( filename
= paste(path, "C22.bin", sep = "") ) C33 <- read.ENVI( filename = paste(path, "C33.bin", sep = "") )

#Complex part: Real data C12_real <- read.ENVI( filename = paste(path, "C12_real.bin", sep = "")
) C13_real <- read.ENVI( filename = paste(path, "C13_real.bin", sep = "") ) C23_real <- read.ENVI(
filename = paste(path, "C23_real.bin", sep = "") )

#Complex part: Imag data C12_imag <- read.ENVI( filename = paste(path, "C12_imag.bin", sep = "") )
C13_imag <- read.ENVI( filename = paste(path, "C13_imag.bin", sep = "") ) C23_imag <- read.ENVI(
filename = paste(path, "C23_imag.bin", sep = "") )

Rdata <- array(0,dim=c(dim(C11),9)) Rdata[,,1] <- C11 Rdata[,,2] <- C22 Rdata[,,3] <- C33 Rdata[,,4] <-
C12_real Rdata[,,5] <- C13_real Rdata[,,6] <- C23_real Rdata[,,7] <- C12_imag Rdata[,,8] <- C13_imag
Rdata[,,9] <- C23_imag

return(Rdata) }
```

Main

San Francisco

```
SanFran_Enxuto <- read.PolSARpro("/Users/tonny.medeiros/Desktop/Site_Dados/SanFrancisco_C3/")
save(SanFran_Enxuto,file="/Users/tonny.medeiros/Desktop/Site_Dados/SanFrancisco_C3/")
```