

# gahgu133plus2cdf

February 3, 2010

---

gahgu133plus2cdf    *gahgu133plus2cdf*

---

## Description

environment describing the CDF file

---

gahgu133plus2dim    *gahgu133plus2dim*

---

## Description

environment describing the CDF dimensions

---

*i2xy*                      *Convert (x,y)-coordinates to single-number indices and back.*

---

## Description

Convert (x,y)-coordinates on the chip (and in the CEL file) to the single-number indices used in AffyBatch and CDF environment, and back.

## Usage

*i2xy*(*i*)  
*xy2i*(*x*, *y*)

## Arguments

*x*                      numeric. x-coordinate (from 1 to 1164)  
*y*                      numeric. y-coordinate (from 1 to 1164)  
*i*                        numeric. single-number index (from 1 to 1354896)

**Details**

Type `i2xy` and `xy2i` at the **R** prompt to view the function definitions.

**See Also**

[gahgu133plus2cdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(1164*1164)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

# Index

## \*Topic **datasets**

gahgu133plus2cdf, [1](#)

gahgu133plus2dim, [1](#)

i2xy, [1](#)

gahgu133plus2cdf, [1](#), [2](#)

gahgu133plus2dim, [1](#)

i2xy, [1](#)

xy2i ([i2xy](#)), [1](#)