GammaLib - Action #1296

Add GSkymap::Scale(index,scale)

07/24/2014 03:33 PM - Lu Chia-Chun

Status:	Closed	**Start date:**	07/24/2014
Priority:	Normal	**Due date:**	
Assigned To:	Knödlseder Jürgen	**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:	1.0.0		

Description

This method is in parallel with GCTAResponseTable::scale(const int& index, const double& scale), to scale pixel contents.

History

#1 - 07/25/2014 01:09 AM - Knödlseder Jürgen

- Description updated

You can do

```
>>> map=gammalib.GSkymap("CAR","CEL",0.0,0.0,1.0,1.0,10,10)
>>> map[0] = 3.4
>>> map[0] *= 2.0
>>> print(map[0])
6.8
```

Or are you looking for something else?

#2 - 07/25/2014 04:01 PM - Lu Chia-Chun

just a function to automatically scale each pixel by a constant.
It's not necessary since we can always go to each pixel and do what you described. You can reject this issue if you don't like to have such a function.

#3 - 02/08/2015 08:54 PM - Knödlseder Jürgen

- Status changed from New to Closed

- Assigned To changed from Lu Chia-Chun to Knödlseder Jürgen

- Target version set to 1.0.0

- % Done changed from 0 to 100

- Remaining (hours) set to 0.0

I added the operators

```
GSkymap& operator*=(const double& factor);
GSkymap& operator/=(const double& factor);
```

to GSkymap that allow multiplication or division of all pixel values by a given factor.