
Subject: Comparison between arrays with different lenght
Posted by [arianna.religi](#) on Mon, 07 Jul 2014 11:00:02 GMT
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Hello everybody!

I'd like to ask you about a simple problem I have with my program.
I have 2 .txt files that are like this:

FILE 1 (all data, day-by-day)
JULIANDAYYEAR MM DD OZONE STD

```
2448623 1992 1 1 0
2448624 1992 1 2 308.5 0.90
2448624 1992 1 2 306.9 0.80
2448624 1992 1 2 306.6 0.90
2448624 1992 1 2 303.6 0.60
2448624 1992 1 2 300.9 1.40
2448624 1992 1 2 301.3 1.20
2448624 1992 1 2 296.8 1.20
2448624 1992 1 2 298.8 1.10
2448624 1992 1 2 298.5 1.80
2448624 1992 1 2 298.4 0.60
2448624 1992 1 2 299.8 0.50
2448624 1992 1 2 299.9 0.60
2448624 1992 1 2 299.3 0.50
2448625 1992 1 3 304.4 1.20
2448625 1992 1 3 303.2 1.20
```

...

FILE2 (there are the averages)
JULIANDAY DD MM AVERAGE

```
2448623 1 1 0.00
2448624 2 1 301.20
2448625 3 1 299.08
2448626 4 1 0.00
2448627 5 1 292.77
2448628 6 1 283.17
2448629 7 1 0.00
2448630 8 1 267.60
```

...

Now I would like to create a new file like this:

JULIANDAYYEAR MM DD OZONE STD AVERAGE

```
2448623 1992 1 1 0 0
2448624 1992 1 2 308.5 0.90 301.2
2448624 1992 1 2 306.9 0.80 301.2
```

```
2448624 1992 1 2 306.6 0.90 301.2
2448624 1992 1 2 303.6 0.60 301.2
2448624 1992 1 2 300.9 1.40 301.2
2448624 1992 1 2 301.3 1.20 301.2
2448624 1992 1 2 296.8 1.20 301.2
2448624 1992 1 2 298.8 1.10 301.2
2448624 1992 1 2 298.5 1.80 301.2
2448624 1992 1 2 298.4 0.60 301.2
2448624 1992 1 2 299.8 0.50 301.2
2448624 1992 1 2 299.9 0.60 301.2
2448624 1992 1 2 299.3 0.50 301.2
2448625 1992 1 3 304.4 1.20 299.08
2448625 1992 1 3 303.2 1.20 299.08
```

but I can't because arrays have a different lenght. How can I do this comparison? For the moment I was only able to open the files:

```
OPENR,5, inputfile3
READF,5, riga
OPENW, 10, output4
```

```
WHILE NOT EOF(5) DO BEGIN
READF,5, giuliano_t1, anno_t1, mese_t1, giorno_t1, ozono_t1, stdozono_t1
```

```
giuliano=[giuliano,giuliano_t1]
dd=[dd,giorno_t1]
mm=[mm,mese_t1]
anno=[anno,anno_t1]
to3=[to3,ozono_t1]
ENDWHILE
```

```
OPENR,4, output3
READF,4, riga
WHILE NOT EOF(4) DO BEGIN
READF,4, giuliano_t2, giorno_t2, mese_t2, mediato_t2
giuliano2=[giuliano2,giuliano_t2]
giorno1=[giorno1,giorno_t2]
mese1=[mese1,mese_t2]
mediato1=[mediato1,mediato_t2]
```

```
ENDWHILE
```

Thank you for your help, I am absolute beginner with IDL!
