
Subject: comparing and concatenating arrays...please help!!

Posted by [m.doyle](#) on Thu, 08 Jan 2004 10:27:57 GMT

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Hello all,

I really hope someone out there can help me with this....I am tearing my hair out as my code is so slow!

I have 2 files of data (hourly met data) with one file containing one set of parameters, and the other file containing another set of parameters. What I am trying to do, is to match the data based on the YY, MM, DD and HH values and then write BOTH sets of parameters to a separate file. For example;

file1:

1954 12 31 23 90 11 4 366 0.00

file2:

1954 12 31 23 2.80 2.10 2.20 95.21

intended result:

1954 12 31 23 90 11 4 366 0.00 2.80 2.10 2.20
95.21

NOTE: Both files have no order to them, so a simple concatenation won't work

I have written some code, but it is wrist slashing-ly slow!;

I read in each variable as a separate array...

```
b=0L
```

```
REPEAT BEGIN
```

```
c=0L
```

```
REPEAT BEGIN
```

```
If (year(b) EQ year2(c)) AND (month(b) EQ month2(c)) AND (day(b) EQ  
day2(c)) AND (hour(b) EQ hour2(c)) THEN BEGIN
```

```
printf, 3, year(b), month(b), day(b), hour(b), winddir(b), windsp(b),$  
present(b),visib(b), mslpres(b), airt(c), dewt(c), wett(c), relh(c),$  
format = finalformat  
endif
```

```
c=c+1
```

```
ENDREP UNTIL c EQ lines2-1
```

b=b+1

ENDREP UNTIL b EQ lines1-1

I'm sure there must be a better way than this.

Please help me!

Many thanks in advance, Martin..
