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 seperate 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 seperate array...

b=0L

REPEAT BEGIN

c=01

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..