
Subject: Binary_template + read_binary
Posted by [rats06](#) on Wed, 09 May 2007 16:00:14 GMT
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Hi,

I have a LiDAR file in LAS FORMAT. I am trying to read this file using BINARY_TEMPLATE and READ_BINARY but I am having some problems. The only way I am being able to extract correctly all the information is if I loop many times as the number of points I have in the dataset and every time incrementing the TEMPLATE.OFFSET by 28 bytes.

What I mean is:

The format of the binary file should be:

Field1 = 4 bytes

Field2 = 4 bytes

Field3 = 4 bytes

Field4 = 2 bytes

Field5 = 1 byte

Field6 = 1 byte

Field7 = 1 byte

Field8 = 1 byte

Field9 = 2 bytes

Field10 = 8 bytes

Total number of bytes = 28

NUM_POINT_RECORDS = 276848 points

So, I create a TEMPLATE with BINARY_TEMPLATE with 10 fields using the format above but using the NUMBER OF DIMENSIONS as a SCALAR.

Doing that and using the code:

```
for i = 0, NUM_POINT_RECORDS -1 do begin
  data = read_binary(FILENAME, template=template)
  template.offset[0] = template.offset[0] + 28
  printf, ...
endfor
```

It works like that ... but of course too slow ... I tried putting the NUMBER OF DIMENSIONS to 1 and using the NUM_POINT_RECORDS (276848 points) as the value ... but it doesn't work ... the result is not the same as when I loop ...

How can I do that without looping ?

Thank you
