
Subject: ENVI_OUTPUT_TO_EXTERNAL_FORMAT
Posted by [DMac](#) on Tue, 16 May 2006 22:27:50 GMT
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I wrote a batch script to convert ENVI formatted images to ERDAS Images. It works fine but it outputs the data as integer instead of floating point. The ENVI input files are floating point. Below is the script:

```
pro BATCH_img_LR
compile_opt idl2

input_path = 'D:\Temp\ENVIHEADER\'
output_path = 'D:\Temp\ENVIHEADER\'

; initiate batch mode with a batch log file
;
ENVI, /restore_base_save_files
ENVI_BATCH_INIT, BATCH_LUN=batch_unit, $
LOG_FILE=output_path+'LR_batch_log.txt'
ENVI_BATCH_STATUS_WINDOW, /off
;
PrintF, batch_unit, 'beginning boulder batch process ' + $
systime()

;use FILE_SEARCH to make a string array with the names
; of the input files
;

files = FILE_SEARCH(input_path+'*.HDR', count=count)

; if no files were found then return
;
IF (count EQ 0) THEN BEGIN
  PrintF, batch_unit, 'No Files were found to process!'
  PrintF, batch_unit, systime()
  ENVI_Batch_EXIT
  return
ENDIF

; start a FOR loop to process each ENVI file found
;

FOR i=0, count-1 DO BEGIN
  ;print a message to the batch log file
  ;
  InFileName = STRMID(files[i], 0, 25)
```

```

OutFileName = output_path + STRMID(files[i], 19,5) + ".img"
printF, batch_unit, OutFileName

PrintF, batch_Unit, 'processing file ' + files[i] + $
'' + systime()

; Convert ENVI files to ERDAS Imagine format
;
PrintF, batch_unit, files[i]
ENVI_OPEN_FILE, InFileName, r_fid = fid
ENVI_FILE_QUERY, fid, ns=ns, nl=nl, nb=nb
dims = [-1, 0, ns-1, 0, nl-1]
pos=lindgen(nb)
ENVI_OUTPUT_TO_EXTERNAL_FORMAT, dims = dims, /ERDAS, FID=FID,
pos=pos, OUT_NAME=OutFileName

ENDFOR

;print a 'finished' message to the batch log
;
PrintF, batch_unit, 'finished batch process '+systime()
ENVI_BATCH_EXIT
end

```

Any Ideas what I might be doing wrong?

Thanks in advance
