Subject: Re: Unpacking packed BCD in Ionosonde SAO files Posted by Craig Markwardt on Wed, 13 Jun 2007 08:23:54 GMT

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Andrew Cool <andrew.cool@dsto.defence.gov.au> writes: > Hi All, > > Does anyone have an existing routine to unpack > packed BCD (Binary Code Decimal) data? I would probably do something like this, n digits = number of digits in input bcd = binary coded decimal value fact = 1Ldec = 01for i = 0, n digits-1 do begin dec = dec + (bcd AND '0f'xI)*fact bcd = ishft(bcd,-4)fact = fact * 10L endfor The output is the DEC variable. The code has a loop, but it only does a few iterations, and is fast even if BCD is an array.

> If you've got a routine to decipher ionosonde SAO (Standard

> Archiving Output) files, that'd be even better!! ;-)

Sorry, can't help you there, but I do have telemetry extraction routines for bit-packed values, if that's what you need.

Craig

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