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Subject: Re: hist\_nd to resample point data to a grid  
Posted by [rawahranger](#) on Sun, 23 Oct 2016 20:24:00 GMT  
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On Wednesday, October 12, 2016 at 3:36:43 PM UTC-6, Samantha Tushaus wrote:

> I have a regularly gridded dataset over the continental US, and swaths of satellite data that I would like to match to that grid. (Sometimes the swaths only partially overlap the gridded dataset).

>

> I have been trying out the methods outlined here (

[https://groups.google.com/forum/?hl=en#!searchin/comp.lang.i](https://groups.google.com/forum/?hl=en#!searchin/comp.lang.idl-pvwave/hist_nd%7Csort:relevance/comp.lang.idl-pvwave/TLmVW5GxZOo/iKyGMLE6aawJ)

[dl-pvwave/hist\\_nd%7Csort:relevance/comp.lang.idl-pvwave/TLmV W5GxZOo/iKyGMLE6aawJ](https://groups.google.com/forum/?hl=en#!searchin/comp.lang.idl-pvwave/hist_nd%7Csort:relevance/comp.lang.idl-pvwave/TLmVW5GxZOo/iKyGMLE6aawJ)),

here ( [https://groups.google.com/forum/?hl=en#!searchin/comp.lang.i](https://groups.google.com/forum/?hl=en#!searchin/comp.lang.idl-pvwave/hist_nd%7Csort:relevance/comp.lang.idl-pvwave/lnkX7tTlqWI/MO79Y8wf5zsJ)

[dl-pvwave/hist\\_nd%7Csort:relevance/comp.lang.idl-pvwave/lnkX 7tTlqWI/MO79Y8wf5zsJ](https://groups.google.com/forum/?hl=en#!searchin/comp.lang.idl-pvwave/hist_nd%7Csort:relevance/comp.lang.idl-pvwave/lnkX7tTlqWI/MO79Y8wf5zsJ)), and

here ([http://www.idlcoyote.com/map\\_tips/matchptgrid.html](http://www.idlcoyote.com/map_tips/matchptgrid.html)).

>

> For some reason, though, trying this just gives me a newly gridded array of -0.0's. Does anyone have insight as to why this is happening?

>

> Thanks!

My first guess would be you are not using floating point arrays in your calculations.

Cheers,

David

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