Return-Path: <rick.lumpkin@noaa.gov>
Received: from islay.aoml.noaa.gov (inferno.aoml.noaa.gov.
[192.111.123.247])
        by mx.google.com with ESMTPS id
l16sm16102412anm.6.2012.10.25.07.25.06
        (version=SSLv3 cipher=OTHER);
        Thu, 25 Oct 2012 07:25:07 -0700 (PDT)
Message-ID: <50894BC2.8090905@noaa.gov>
Date: Thu, 25 Oct 2012 10:25:06 -0400
From: "Rick.Lumpkin@noaa.gov" <rick.lumpkin@noaa.gov>
Organization: NOAA/AOML
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:10.0.8) Gecko/20121012
Thunderbird/10.0.8
MIME-Version: 1.0
To: Peter Strutton <Peter.Strutton@utas.edu.au>
Subject: Re: Argo drifters and rogue iron fertilization
References: <6F6D65C6-1CAC-4389-AB5A-CE53AEDD8456@uvic.ca>
<7C1D8360-604D-46DC-BDF6-A86A26CEDAA6@utas.edu.au>
<50855B31.10309@noaa.gov>
<A54B5775-0CA1-4B9D-B0C3-6BD6048C82B6@utas.edu.au>
In-Reply-To: <A54B5775-0CA1-4B9D-B0C3-6BD6048C82B6@utas.edu.au>
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Hi Pete,

There can be a few days' delay between when the drifters were deployed and when we received the deployment reports, or noticed their data stream on Argos, and then had the data put on the GTS. In delayed mode, we'll include all the data from when we first started getting it, typically within an hour of deployment. For the best estimate of where the drifters were deployed, use the dep. log entries.

Note that some news items are reporting that the iron dust was released in mid-July; if those are correct, then the drifter deployments were not concurrent, but were rather a month or more after. This may affect your interpretation of the positions and concurrent satellite images. I don't know the validity of these reports.

Best,
Rick

On 10/23/2012 11:49 PM, Peter Strutton wrote:
> Hi Rick
> I am noticing some discrepancies between the deployment date/location of the drifters from the deployment log, and the date/location of the first data point in the data files. I am using these data to try to find out where the ship was, and when. Is it normal for the drifters to not transmit data for a few days after deployment? Should I use the deployment log as a better indication of where the ship went?
>
> Hopefully the attached spreadsheet is fairly self-explanatory?

>
> Thanks again for your help with this.
> Regards
> Pete
>
> On 23/10/2012, at 1:41 AM, Rick.Lumpkin@noaa.gov<rick.lumpkin@noaa.gov> wrote:
>
>> Hi Peter,
>>
>> First, I see some errors in the deplog for four drifters which we'll fix ASAP - we list them as S and E, when those four should be N and W.
>>
>> Next, I apologize for not previously telling you this: when the WMO number is, for example, 4600565 on our site, look for 46565 on the data server. The additional 0s are due to this drifter using an Argos-3 PMT in Argos-2 PTT mode - a technicality that you don't need to worry about when examining the data
>>
>>  From the GTS server at www.aoml.noaa.gov/phod/trinanes/xbt.html,  I clicked-and-dragged to get the North Pacific in the mini map, selected "GTS buoys", and downloaded all data since 15 August.  Note that this is delivered in a pop-up window, so if you have pop-up blocked you'll have to allow an exception.  The resulting data includes 46565, 46907, 46538, etc. (the drifter fixes that were transmitted on the GTS).
>>
>>     Best,
>>     Rick
>>
>> On 10/21/2012 11:04 PM, Peter Strutton wrote:
>>> Hi Everyone
>>> Rick Lumpkin got back to me re how to access the data from the drifters that the Ocean Pearl deployed. I included the deployment info on the maps I made last week, see magenta circles in figure attached. I am still a little confused about the drifter IDs, so I haven't included the drifter tracks here, just the deployment location. As you can see, there is some high chlorophyll in the region where the ship spent a considerable amount of time. I will try looking at the 8-day data again to see if that helps but so far it has been really cloudy and difficult to discern much.
>>> Regards
>>> Pete
>>>
>>> Rick, can you please help me with the drifter IDs. In the data file the IDs in this general part of the ocean range from 21539 to 62776. But those numbers don't look like the IDs or WMO numbers in the deployment log:
>>> 109250   4600565  2012 09 08 51 03.5S 129 45.5E OCEAN PEARL !Clearwater SVPBD2  5325
>>> 109422   4600907  2012 09 08 51 01.2S 129 18.2E OCEAN PEARL !Clearwater SVPBD2  5325
>>> 109523   4600538  2012 09 08 51 04.7N 130 03.9W OCEAN PEARL !Clearwater SVPBD2  5325
>>> 109254   4600531  2012 09 07 51 14.9S 133 38.3E OCEAN PEARL

!Clearwater SVPBD2  5325
>>> 109392   4600534  2012 09 07 51 12.8S 132 19.2E OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109426   4600906  2012 09 06 51 12.9N 136 26.0W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114650   4600905  2012 09 05 51 36.5N 138 52.0W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109564   4600622  2012 08 29 51 54.8N 139 18.7W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109246   4600620  2012 08 22 51 21.4N 139 40.3W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109427   4600768  2012 08 20 53 05.9N 138 59.0W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114651   4600767  2012 08 18 52 17.3N 139 01.7W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114649   4600766  2012 08 17 52 34.8N 139 14.4W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109565   4600914  2012 08 16 52 50.1N 140 00.4W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114629   4600619  2012 08 15 52 39.1N 139 21.3W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114652   4600624  2012 08 15 52 39.6N 140 39.6W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 109249   4600606  2012 08 14 52 38.6N 138 15.1W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114622   4600607  2012 08 14 52 34.1N 139 07.8W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114648   4600559  2012 08 14 52 56.7N 137 11.0W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114595   4600764  2012 08 13 53 30.4N 135 08.8W OCEAN PEARL
!Clearwater SVPBD2  5325
>>> 114627   4600517  2012 08 13 53 14.1N 136 09.9W OCEAN PEARL
!Clearwater SVPBD2  5325
>>>
>>> ...am I missing something?
>>> Thanks
>>> Pete
>>>
>>>
>>> On 19/10/2012, at 9:41 AM, Roberta
Hamme<rhamme@uvic.ca<mailto:rhamme@uvic.ca>>  wrote:
>>>
>>>> Hi folks,
>>>>
>>>> Just talked to someone at NOAA about the Argo drifters deployed as part of this project.  They're drifters from AOML, not standard Argo floats. You can see the group of Argo drifters deployed near Haida Gwai in these figures.  Most fo them are quite a lot farther offshore than I supposed they would be.  As won't surprise you, AOML was not fully informed about the purpose of this project.  They frequently work with citizen groups to deploy drifters in areas where they do not have enough coverage. I believe they would rather strenuously object to being called

collaborators in this "experiment".
>>>>
>>>> cheers, Roberta
>>>>
>>>> <pnp_aug12.gif>
>>>> <aug12_globpop.gif>
>>>> <tnp_aug12.gif>
>>>> --
>>>> Roberta Hamme - (250) 472-4014
>>>> rhamme@uvic.ca<mailto:rhamme@uvic.ca>, http://web.uvic.ca/~rhamme/
>>>>
>>>>
>>>>
>>> --
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