Delivered-To: rick.lumpkin@noaa.gov
Received: by 10.182.237.137 with SMTP id vc9csp40228obc;
        Mon, 15 Oct 2012 13:13:22 -0700 (PDT)
Received: by 10.68.190.71 with SMTP id go7mr40711494pbc.66.1350332002150;
        Mon, 15 Oct 2012 13:13:22 -0700 (PDT)
Return-Path: <steve.piotrowicz@noaa.gov>
Received: from psmtp.com (na3sys009amx202.postini.com [74.125.149.42])
        by mx.google.com with SMTP id
h4si23407474pav.266.2012.10.15.13.13.20
        (version=TLSv1/SSLv3 cipher=OTHER);
        Mon, 15 Oct 2012 13:13:22 -0700 (PDT)
Received-SPF: neutral (google.com: 74.125.149.85 is neither permitted nor
denied by best guess record for domain of steve.piotrowicz@noaa.gov)
client-ip=74.125.149.85;
Authentication-Results: mx.google.com; spf=neutral (google.com:
74.125.149.85 is neither permitted nor denied by best guess record for
domain of steve.piotrowicz@noaa.gov) smtp.mail=steve.piotrowicz@noaa.gov
Received: from na3sys009aog136.obsmtp.com ([74.125.149.85]) (using TLSv1)
by na3sys009amx202.postini.com ([74.125.148.10]) with SMTP;
     Mon, 15 Oct 2012 13:13:21 PDT
Received: from mail-oa0-f43.google.com ([209.85.219.43]) (using TLSv1) by
na3sys009aob136.postini.com ([74.125.148.12]) with SMTP
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2012 13:13:21 PDT
Received: by mail-oa0-f43.google.com with SMTP id k1so7392250oag.30
        for <rick.lumpkin@noaa.gov>; Mon, 15 Oct 2012 13:13:20 -0700 (PDT)
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
        d=google.com; s=20120113;

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Mon,
 15 Oct 2012 13:13:20 -0700 (PDT)
Received: by 10.182.237.201 with HTTP; Mon, 15 Oct 2012 13:13:19 -0700 (PDT)
In-Reply-To:
<CACz524PLBJeHCMqyjeNhu0iCS2LcHMo--MAzPmijYgVtQOTz6g@mail.gmail.com>
References:
<CAGcXJNejiAZCmecScW2O5CsOXzd+zEcSX+OVhNcrvTj9BBmwwA@mail.gmail.com>

<CACz524PLBJeHCMqyjeNhu0iCS2LcHMo--MAzPmijYgVtQOTz6g@mail.gmail.com>
Date: Mon, 15 Oct 2012 16:13:19 -0400
Message-ID:
<CACz524OsUyp9stsLe_a9_BKR8dDVPxyr+OU7QtAvq6_ti_5B8A@mail.gmail.com>
Subject: Fwd: Media request -- NY Times
From: Steve Piotrowicz <steve.piotrowicz@noaa.gov>
To: Rick Lumpkin <rick.lumpkin@noaa.gov>, Candyce Clark
<candyce.clark@noaa.gov>
Content-Type: multipart/alternative;
boundary=e89a8ff1c4a030e62204cc1eab0b
X-Gm-Message-State:
ALoCoQltPWuQpIQUsou1365tNWnjwjcmkvoS9Cwbx2MMbzp0MZiLu1CcQ+jY7UBHXuY8k8
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X-pstn-levels: (S:99.90000/99.90000 CV:99.9000 FC:95.5390 LC:95.5390
R:95.9108 P:95.9108 M:97.0282 C:98.6951)
X-pstn-dkim: 0 skipped:not-enabled
X-pstn-settings: 1 (0.1500:0.0015) cv GT3 gt2 gt1 r p m c
X-pstn-addresses: from <steve.piotrowicz@noaa.gov> [db-null]
X-pstn-nxpr: disp=neutral, envrcpt=rick.lumpkin@noaa.gov
X-pstn-nxp: bodyHash=ed15e4afc0dd00cebc68e2e0116ea81ac5e6790d,
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--e89a8ff1c4a030e62204cc1eab0b
Content-Type: text/plain; charset=ISO-8859-1

This has now gotten to the NY Times.

I am still working it.

Steve

---------- Forwarded message ----------
From: Steve Piotrowicz <steve.piotrowicz@noaa.gov>
Date: Mon, Oct 15, 2012 at 4:05 PM
Subject: Re: Media request -- NY Times
To: Linda Joy <linda.joy@noaa.gov>
Cc: Diane Stanitski <diane.stanitski@noaa.gov>, David Legler <
david.legler@noaa.gov>, Jana Goldman <jana.goldman@noaa.gov>, Caitlyn H
Kennedy <caitlyn.kennedy@noaa.gov>

Linda, there is confusion between the Argo profiling float program and the ARGOS satellite Data Collection System-geolocation system.

What the article is referring to are ARGOS-equipped surface drifting buoys (drift at the surface transmitting data hourly) not profiling floats. Drifting buoys primarily provide in situ Sea Surface Temperature observations which are used, primarily, to calibrate and validate remotely-sensed SST. The in situ data, and the remotely-sensed data, are

combined into a blended, global SST product which is used by operational weather centers for incorporation into their models. Surface velocities (currents) are obtained from displacements of the buoys using the satellite geolocation system on the ARGOS DCS. Some drifters may be equipped with GPS but you do not need it because the satellite position (a doppler technique) is more than adequate for trajectory work. GPS requires a separate antenna so even though a GPS system is relatively inexpensive the extra antenna is an added failure mode. Some drifters are also equipped to
measure sea level pressure but not all drifters have this capability - it is expensive to implement and is only really necessary in truly remote oceanic regions like the southern ocean.

Profiling floats drift at 1,000 meters depth and only come to the surface every ten days to transmit data.

ARGOS is a Joint Program (MOU) between NESDIS and CNES (Centre Nationale d'Etudes Spatiales) of France. I do not know who is the Program Manager at
NESDIS fro ARGOS today (it used to be Chris O'Connors).

They can provide the details on how the program is operated and how the data is shared. The data from drifting buoys (and many other systems) is free and openly available in real time for operational purposes like weather prediction and ocean state estimation.

Steve

On Mon, Oct 15, 2012 at 3:45 PM, Linda Joy <linda.joy@noaa.gov> wrote:

> Diane, David, and Steve,
>
> I'm writing from the OAR public affairs office where work with Jana
> Goldman. I just took a media request from a New York Times reporter
> who has some basic Argos questions -- who runs the program, how, and
> with whom is data shared. The context is that earlier today The UK
> Guardian newspaper ran a story on "the world's biggest geoengineering
> experiment." You can see it here:
>
>
http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-fertili
sation-geoengineering
> .
>
> The person who conducted this experiement says, in the article,
>
> ... his team of unidentified scientists has been monitoring the
> results of the biggest ever geoengineering experiment with equipment
> loaned from US agencies like Nasa and the National Ocean and
> Atmospheric Administration. He told the Guardian that it is the "most
> substantial ocean restoration project in history," and has collected a
> "greater density and depth of scientific data than ever before".

>
> The New York Times reporter is trying to assess whether this could be
> true. He seemed skeptical about that claim and would like to learn
> about the program. Could you recommend who might be best at NOAA for
> him to speak with and let me know? Give me a call if you like --
> 301-734-1165.
>
> thanks!
> Linda
>
>
> --
> --
> Linda Joy
> NOAA Research Public Affairs
> linda.joy@noaa.gov
> 301-734-1165
> www.research.noaa.gov
> --
>

--
Stephen R. Piotrowicz
Oceanographer
NOAA/OAR/CPO/COD
Silver Spring, MD USA   20910
Tel.: (+1) 301-427-2493

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Tel.: (+1) 301-427-2493

--e89a8ff1c4a030e62204cc1eab0b
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

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I am still working it.

S=
teve

<div class=3D"gmail_quote">---------- Forwarded message
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From: <b class=3D"gmail_sendername">Steve Piotrowicz <span
dir=
=3D"ltr"><<a
href=3D"mailto:steve.piotrowicz@noaa.gov">steve.piotrowicz@=
noaa.gov>

Date: Mon, Oct 15, 2012 at 4:05 PM
Subject: Re: Media request -- NY Time=
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To: Linda Joy <<a
href=3D"mailto:linda.joy@noaa.gov">linda.joy@noaa=
.gov>
Cc: Diane Stanitski <<a
href=3D"mailto:diane.stanitski@n=
oaa.gov">diane.stanitski@noaa.gov>, David Legler <<a
href=3D"mail=
to:david.legler@noaa.gov">david.legler@noaa.gov>, Jana Goldman
<<=
a href=3D"mailto:jana.goldman@noaa.gov">jana.goldman@noaa.gov>,
Cait=
lyn H Kennedy <<a
href=3D"mailto:caitlyn.kennedy@noaa.gov">caitlyn.kenne=
dy@noaa.gov>

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Steve

<div class=3D"gmail_quote">On Mon, Oct 15, 2012 at 3:45 PM=
, Linda Joy <span dir=3D"ltr"><<a href=3D"mailto:linda.joy@noaa.gov" tar=
get=3D"_blank">linda.joy@noaa.gov> wrote:
<blockquote clas=
s=3D"gmail_quote" style=3D"margin:0 0 0 .8ex;border-left:1px #ccc solid;pad=
ding-left:1ex">

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<a
href=3D"http://www.guardian.co.uk/environment/2012/oct/15/pacific-iron-f=
ertilisation-geoengineering"
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vironment/2012/oct/15/pacific-iron-fertilisation-geoengineering.

The person who conducted this experiement says, in the article,

... his team of unidentified scientists has been monitoring the
results of the biggest ever geoengineering experiment with equipment
loaned from US agencies like Nasa and the National Ocean and
Atmospheric Administration. He told the Guardian that it is the "most<=
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br>

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true. He seemed skeptical about that claim and would like to learn
about the program. Could you recommend who might be best at NOAA for
him to speak with and let me know? Give me a call if you like --
<a href=3D"tel:301-734-1165" value=3D"+13017341165"
target=3D"_blank">301-7=
34-1165.

thanks!
Linda

<span class=3D"HOEnZb">

--

Linda Joy
NOAA Research Public Affairs
<a href=3D"mailto:linda.joy@noaa.gov"
target=3D"_blank">linda.joy@noaa.gov<=
/a>
<a href=3D"tel:301-734-1165" value=3D"+13017341165"
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34-1165
<a href=3D"http://www.research.noaa.gov"
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a.gov

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Stephen R.
Piotrowicz<b=
r>Oceanographer
NOAA/OAR/CPO/COD
Silver Spring, MD=A0 USA=A0=A0
20910=

Tel.:=A0 <a href=3D"tel:%28%2B1%29%20301-427-2493"
value=3D"+1301427249=
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Stephen R.
Piotrowicz<=
br>Oceanographer
NOAA/OAR/CPO/COD
Silver Spring, MD=A0 USA=A0=A0
2091=
0
Tel.:=A0 (+1) 301-427-2493

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