```
Delivered-To: rick.lumpkin@noaa.gov
Received: by 10.182.238.70 with SMTP id vi6csp5338obc;
       Wed, 17 Oct 2012 09:47:25 -0700 (PDT)
Received: by 10.68.143.162 with SMTP id
sf2mr57585681pbb.137.1350492444860;
        Wed, 17 Oct 2012 09:47:24 -0700 (PDT)
Return-Path: <richard.mannix@noaa.gov>
Received: from psmtp.com (na3sys009amx192.postini.com [74.125.149.173])
       by mx.google.com with SMTP id
ou2si31869963pbb.230.2012.10.17.09.47.23
        (version=TLSv1/SSLv3 cipher=OTHER);
        Wed, 17 Oct 2012 09:47:24 -0700 (PDT)
Received-SPF: neutral (google.com: 74.125.149.141 is neither permitted nor
denied by best guess record for domain of richard.mannix@noaa.gov)
client-ip=74.125.149.141;
Authentication-Results: mx.google.com; spf=neutral (google.com:
74.125.149.141 is neither permitted nor denied by best guess record for
domain of richard.mannix@noaa.gov) smtp.mail=richard.mannix@noaa.gov
Received: from na3sys009aog128.obsmtp.com ([74.125.149.141]) (using
TLSv1) by na3sys009amx192.postini.com ([74.125.148.10]) with SMTP;
     Wed, 17 Oct 2012 16:47:24 GMT
Received: from mail-ia0-f170.google.com ([209.85.210.170]) (using TLSv1)
by na3sys009aob128.postini.com ([74.125.148.12]) with SMTP
     ID DSNKUH7hG16iPH7FQjvsiNzqe1G3NWfa8Jyb@postini.com; Wed, 17 Oct
2012 09:47:24 PDT
Received: by mail-ia0-f170.google.com with SMTP id e16so6450391iaa.29
        for <rick.lumpkin@noaa.gov>; Wed, 17 Oct 2012 09:47:23 -0700 (PDT)
X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
        d=google.com; s=20120113;
h=mime-version:in-reply-to:references:date:message-id:subject:from:to
         :content-type:x-qm-message-state;
        bh=Sy6GrU0zT6p8S8REBRX3SVBReayu0jyGBIWNvBsiWD8=;
b=BPScLwOPGjJSffYm6GyFTeMJ0ZyuL3Lnvn0iq5yhK2ojEdRHZ17RAOiVhDGnM7tm4X
X8EUe6o/Hy7OZWL5hTCRU2azfWSvezK6guOJ+aSsLyMTovwRD1YPl9uYCStJrzovkQe/
5JNLx1mWeK65/C842FTZNFyQNqhx/eQBrZBj2sjtD6nqz2jpjPq9i+IGLWnRH1nwZnwW
iqWxF0bJryRL8aEqpXnSJqGF0FbPy0p0qCY1HzZBIt15KOnFYQAoB0pHbr8AXL49zKPo
cvr+z/ybUjrK54L345ttk5351VZkz+qMMqXjsWD5SvCta5kPJY2elIqN1pWpjtrkEw4i
         p2Bw==
MIME-Version: 1.0
Received: by 10.50.5.239 with SMTP id v15mr2208546iqv.41.1350492443042;
Wed.
17 Oct 2012 09:47:23 -0700 (PDT)
Received: by 10.231.216.74 with HTTP; Wed, 17 Oct 2012 09:47:23 -0700 (PDT)
<CA+ZXoS+exGj8f+VqpXiXa=ZXzi=tkY37 25uT8f5OTkk4GyH-w@mail.gmail.com>
References:
```

```
<CAMbX9tafrRqEcZ2wAHYBX5eA6D4A7fSBO5Ca2e4zrw6DpVu5JQ@mail.qmail.com>
     <CA+ZXoS+exGj8f+VqpXiXa=ZXzi=tkY37 25uT8f5OTkk4GyH-w@mail.gmail.c
Date: Wed, 17 Oct 2012 12:47:23 -0400
Message-ID:
<CAMbX9tYhbB1QuQwKJebPoDmYo3e=+Ko6+BQkkJEL8PtcuHA+9Q@mail.qmail.com>
Subject: Re: Talking points
From: Richard Mannix <richard.mannix@noaa.gov>
To: Rick Lumpkin <rick.lumpkin@noaa.gov>
Content-Type: multipart/alternative;
boundary=e89a8f502cd656e3b904cc440630
X-Gm-Message-State:
ALoCoQk2D/qJTqqSn7NPO9aV5TSbe7Zoil4XtIQ6INrKpuJ0qBkKXSY34/3FSdKsZRzQql
31SFkk
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 <richard.mannix@noaa.gov> [db-null]
X-pstn-nxpr: disp=neutral, envrcpt=rick.lumpkin@noaa.gov
X-pstn-nxp: bodyHash=71d30a5672fc9e9efd0d0d10ab2e5747cb26b17c,
headerHash=79c500e3522957162cee9a16ae1fd7b217559ce7, keyName=4,
rcptHash=9ed437bb2697b93b6e27fc1698c05229f9e0ed45,
sourceip=74.125.149.141, version=1
--e89a8f502cd656e3b904cc440630
Content-Type: text/plain; charset=ISO-8859-1
Thanks, Rick!! Those are helpful points.
On Wed, Oct 17, 2012 at 12:45 PM, Rick Lumpkin
<rick.lumpkin@noaa.gov>wrote:
> Hi Richard,
> This looks great. Two minor points - the first is very minor indeed:
> 1. "They measure sea surface temperature, surface currents, barometric
> pressure, winds and salinity."
> This is true in general, but the 20 drifters in question didn't measure
> winds or salinity. They did measure SST, currents and baro pressure.
> don't know if that matters for the broader point you're making here.
> 2. Final paragraph: if you want to be more broad here, and still be
> accurate, you could state:
> The drifters are deployed worldwide by Navy and Coast Guard vessels of
> US, Canada and other countries, and NOAA and non-NOAA research vessels,
> to provide the array of drifters necessary to assemble critical climate
```

```
> data, AOML also routinely works with hundreds of privately owned vessels,
> including cargo and fishing vessels, to get these drifters to areas in
> which they might be most useful. That service is performed on a
> volunteer basis [although the lab will occasionally request a cargo
carrier
> to deploy the instruments]. There are, on the average, over 1,200 of
> these satellite-tracked drifters in service each year.
>
> Re: the part in "[]" , I'd say we regularly contact cargo carriers, but
> is certainly voluntary on their part to work with us. I'm not sure if
> part is necessary for the argument you're making here.
> Best regards, and thanks for your work,
  Rick
> On Wed, Oct 17, 2012 at 12:19 PM, Richard Mannix
<richard.mannix@noaa.gov>wrote:
>> Hi Rick -- EPA has prepared its own brief set of talking points and we
>> will be expected to supplement it, to be ready if questions come up at
>> international meetings. Could you take a look at the attached and make
>> sure I've got it right. I took some of it from one of your presentations.
>> And, of course, we have your letter, if needed.
>
>
>
--e89a8f502cd656e3b904cc440630
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Thanks, Rick!! Those are helpful points. <br > < div
class=3D"qmail quote">=
On Wed, Oct 17, 2012 at 12:45 PM, Rick Lumpkin <span dir=3D"ltr">&lt;<a
hre=
f=3D"mailto:rick.lumpkin@noaa.gov"
target=3D" blank">rick.lumpkin@noaa.gov<=</pre>
/a>></span> wrote:<br>
<blockquote class=3D"gmail quote" style=3D"margin:0 0 0</pre>
.8ex;border-left:1p=
x #ccc solid; padding-left:1ex">Hi Richard, <br>>This looks great.=A0
minor points - the first is very minor indeed: <br > 1. &quot; < span style=
=3D"font-size:12.0pt;line-height:115%;font-family:"Times New
Roman&quo=
t;, " serif " ">They
measure sea surface temperature, surface currents, barometric pressure,
win=
ds
```

```
and salinity. " <br/>Th</span>is is true in general, but the 20 drifters
in question didn't measure winds or salinity.=A0 They did measure SST,
currents and baro pressure.=A0 I don't know if that matters for the
ader point you' re making here. <br>
<br/>br>2. Final paragraph: if you want to be more broad here, and still be
acc=
urate, you could state: <br><br>
<span</pre>
style=3D"font-size:12.0pt;line-height:115%;fon=
t-family: " Times New Roman " , " serif " ">The drifters are
ployed worldwide by Navy
and Coast Guard vessels of the US, Canada and other countries, and NOAA
and=
non-NOAA research vessels, but to provide the array of drifters
necessary to assemble critical climate data, AOML also routinely works with
hundreds of privately owned vessels, including cargo and fishing vessels,
o get these drifters to areas in which
they might be most useful.<span>=A0 </span>That service
is performed on a volunteer basis [although the lab will occasionally reque=
st a
cargo carrier to deploy the instruments].<span>=A0
</span>There are, on the average, over 1,200 of these satellite-tracked
drifters in service each year.<span>=A0 <br/>br></span></span><p
class=3D"M=
soNormal"><br><span
style=3D"font-size:12.0pt;line-height:115%;font-family:=
" Times New Roman", " serif" "><span></span></span>
Re: the part in " [] " , I'd say we regularly contact cargo
car=
riers, but it is certainly voluntary on their part to work with us.=A0 I&#3=
9;m not sure if that part is necessary for the argument you're making
h=
ere.<br>
<br>Best regards, and thanks for your work, <br>=A0 Rick <br>>div class=
=3D"gmail quote">On Wed, Oct 17, 2012 at 12:19 PM, Richard Mannix <span
dir=
=3D"ltr"><<a href=3D"mailto:richard.mannix@noaa.gov"
target=3D" blank">r=
ichard.mannix@noaa.gov</a>&gt;</span> wrote:<br>
<blockquote class=3D"gmail quote" style=3D"margin:0 0 0</pre>
.8ex;border-left:1p=
x #ccc solid; padding-left: 1ex">Hi Rick -- EPA has prepared its own brief
se=
```

t of talking points and we will be expected to supplement it, to be ready
i=

f questions come up at international meetings. =A0Could you take a look at =

the attached and make sure I' ve got it right. =A0I took some of it fromone of your presentations. =A0And, of course, we have your letter, if need= ed.

</blockquote></div>

</blockquote></div>

--e89a8f502cd656e3b904cc440630--