

3419330976-41538-19647-130-215

From: Marcia K McNutt <mcnutt@usgs.gov>
Sent: Wed, 4 Aug 2010 15:08:28
To: GS FOIA 0105 <foia0105@usgs.gov>
Subject: Fw: PIV analysis movie of pipe kink jet on FTP

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----- Forwarded by Janet N Arneson/DO/USGS/DOI on 08/04/2010 03:07 PM -----

From: "wereley, Steven T." <wereley@purdue.edu>

To: Franklin Shaffer <Franklin.Shaffer@NETL.DOE.GOV>, "Bill.Lehr@noaa.gov" <Bill.Lehr@noaa.gov>

Cc: "'ira leifer'" <ira.leifer@bubbleology.com>, "pete@gso.uri.edu" <pete@gso.uri.edu>, "'Paul Bommer'" <pmbommer@mail.utexas.edu>, "Savas@newton.berkeley.edu" <Savas@newton.berkeley.edu>, "Pedro I.' Espina" <pedro.espina@nist.gov>, "'Alberto Aliseda'" <aaliseda@u.washington.edu>, "'James J Riley'" <rileyj@u.washington.edu>, Juan Lasheras <lasheras@ucsd.edu>, "'Marcia K McNutt'"

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<mcnuttt@usgs.gov>

Date: 05/26/2010 11:51 AM

Subject: RE: PIV analysis movie of pipe kink jet on FTP

By the way, this is total liquid flow out of the sources, dissolved oil plus gas. For the riser I chose a time period that had mostly liquid flow.

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-----Original Message-----

From: Franklin Shaffer [mailto:Franklin.Shaffer@NETL.DOE.GOV]

Sent: Wednesday, May 26, 2010 11:27 AM

To: Bill.Lehr@noaa.gov; Wereley, Steven T.

Cc: 'ira leifer'; pete@gso.uri.edu; 'Paul Bommer';

Savas@newton.berkeley.edu; Pedro I.' 'Espina; 'Alberto Aliseda'; 'James J

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Riley'; Juan Lasheras; 'Marcia K McNutt'

Subject: PIV analysis movie of pipe kink jet on FTP

Importance: High

** High Priority **

I am getting good preliminary PIV results for the plume jet emitting from the pipe kink.

BP claims that the flow rate cannot be measured from the videos of the oil leak jets. But seeing is believing. So I made a movie of my PIV analysis overlain on top of the original BP video. Perhaps videos like this will help with the credibility of our PIV analyses.

I uploaded the movie of the my PIV analysis to NOAA's Deepwater Horizon FTP site. It's in a the "/Videos/PIV_Movies/" subfolder. But I have had trouble playing the movie after I download it from NOAA's FTP site. I don't know why. So I also posted the file (in three different formats) on my own FTP site. You can also download the movie by using the following link in a web browser. Just right click and save one of the files to your hard drive:

<ftp://imagej%40highspeedparticleimaging.info:Analysis@highspeedparticleimaging.info>

If such videos are useful, I can create another one for the main riser plume. But there's not much time...

Frank

ps: if you cannot download and play the movie, please let me know ASAP.

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