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Good Weather News From Our Weather Experts!

Posted by Xtreme Dream Team on Jul 23, 2011 in Blog | 1 comment



Explanation needed of course!

Chart 1: is the ocean area from Cuba to the Florida Keys. The straight line from Cuba to Key West is her rhumb line but I hear that might change due to the current not flowing in a favorable direction. The chart shows the location of the Loop Current (LC) that flows in a clockwise loop in the Gulf of Mexico and exits at the Florida straits to join the Gulf Stream Current. The flow averages 2-3 knots towards the East and Northeast in the swim area. The numbers on the chart are the sea surface temperatures in degrees F. Since they are in the upper 80's now, they are swimmable for Diana. Hypothermia can occur any time the sea temps are below body temp so she will still be losing some heat but not as much as if she tried to swim with sea temps in the low 80's.

Chart 2: is the same as chart 1 with the estimated currents superimposed in different false colors. The 1 knot vector is false colored in blue while the 3 knot line is false colored in red. The 2 knot line is false colored in green. Note that the current increases quickly over a short distance near the northern side of

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Diana's Tweets



- [@GeoSocietyPhila](#) Thank you for giving me the opportunity to be a part of an event like this. Looking forward to the fun and the Cuban food. [about 4 hours ago](#) from [HootSuite](#) in reply to [GeoSocietyPhila](#)
- The first annual GEOfest is bringing renowned explorers and filmmakers to the Philadelphia Area - <http://t.co/nWo8aT3u> [about 11 hours ago](#) from [HootSuite](#)
- [@brkfastattiffys](#) Thanks so much for the follow back.. make sure to check out my facebook page! <http://t.co/nf0JK8HG> 06:45:02 PM October 13, 2011 from [HootSuite](#) in reply to [BrkfastAtTiffys](#)
- [@janetober](#) Don't let anything stand in the way of your dreams- courage is never stopping!! 06:40:07 PM October 13, 2011 from [HootSuite](#) in reply to [JanetOber](#)

the current. The ½ knot line in light greenish brown shows the approx location of the adverse counter current flowing toward the West just north of Cuba.

Chart 3: is the same as chart 2 with the deletion of the ocean analysis so you can see the estimated current structure with respect to Diana's rhumb line. (Rhumb line is the straight line between two points on a sphere's surface, following a constant bearing or constant course.)

[1 capture](#)
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- [@slatefree1](#) I'm happy to have followers! The next adventure is whatever jumps out at me next in life.

06:35:09 SEP 15 OCT NOV 2011 from HootSuite
2010 2011 2012 About this capture

Jenifer Clark

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One Comment



Chuck

July 24, 2011

Jenifer – thanks for the update, even of a lot of it is over my head. As long as you and the team know what's going than Diana is in good shape. And it appears you have some great folks supporting the dream!

Take good care of her. Is was an avid summer growing up and Diana was the first athlete mentor I had, and that's why I have a huge interest in seeing her accomplish this long standing goal/dream. Now that I am almost 50 she has become a mentor again showing me that I can get back into swimming again... maybe even competitively.

Keep Diana and the entire team safe. Cheers

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- Stephen O. on Diana reflects on her swim, 1 week later
- Laura B. on Kathy Loretta
- Bruckner Chase on Shark
- Kajon on Shark

that we can dream big, live life large, and look back at all of it with no regrets whatsoever."

Xtreme Dream. For Diana Nyad's representation please contact Pam Derderian