Last updated 16<sup>th</sup> August 2015 SERGIO CAVAIUOLO Bachelor Of Engineering in Electronics, Systems Engineer Adelaide, South Australia

BOEING 777 FLAPERON FOUND ON REUNION ISLAND (29 JULY 2015), COULD HAVE ORIGINATED FROM THE LOCATION OF THE "AIRCRAFT-SHAPED" OBJECT (MH370?) It has been confirmed that a Flaperon found on Reunion Island (on 29<sup>th</sup> July 2015) is a component that belongs to a wing assembly of a Boeing 777 aircraft. The Malaysian Authorities have further announced this debris was indeed from the MH370 aircraft. Figure 3a below shows a photo of the Flaperon that was found on Reunion Island, and identifies where it is located on the right wing assembly of a Boeing 777 aircraft.



Figure 3a: Flaperon found on Reunion Island and its assembly location on a Boeing 777

The Flaperon could have originally been attached to (or lying next to) the "Aircraft-Shaped" object (I believe may be MH370) in Maldives waters for a period of time since the 8<sup>th</sup> March 2014, before becoming detached and/or setting adrift along ocean currents where it eventually reached Reunion Island.

Figure 3b below, shows the direction of flow of the ocean currents around the Indian Ocean. (Source: University of Western Australia (UWA) data, published in document Ref#:10). On the figure, I have overlaid a yellow path showing the possibility that the Flaperon could have travelled along ocean currents from the location of the "Aircraft-Shaped" object (red cross 'X' near the Maldives), down to Reunion Island (yellow circle 'O'). Note that the Point-To-Point distance between Maldives and Reunion Island is only about 3,200km away – thereby providing a much shorter path along ocean currents for the Flaperon to reach Reunion Island compared to if it had travelled from the Southern Indian Ocean (SIO) search region. For completeness, I have also added an orange circle 'O' to Figure 3b showing the approximate

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location of where a suspected aircraft Fire bottle washed up on the Northern Maldives Island, some 3 weeks after the 8<sup>th</sup> March 2014 MH370 disappearance – Quite plausible that the Fire Bottle could have travelled from the "Aircraft-Shaped" object location (Red X) in just 3 weeks. (See 'Aircraft Fire Bottle Analysis')

"That allowed us to predict where debris might make landfall." WARM CURRENT COLD CURRENT North Equatorial Equatorial Counter South Equatorial **West Australia** Mozambique Sergio Cavaiuolo 3 Aug 2015: South Indian Red 'X' - Aircraft-Shaped Object that could be MH370 fuselage. Antartic Circumpolar Ocean currents in the search area R - Reunion Island Source: Main araphic background M - Maldives Islands from UWA article 31 July 2015. Yellow Arrowed Path - Shows a possible path of travel Orange Circle - Aircraft Fire for the Flaperon from the "Aircraft-Shaped" object bottle found on Maldives (approximate location) to St-Denis Reunion Island, along Northern Island of Baarah, on the 25 March 2014 (17 days after the ocean current flows as explained by UWA. MH370 dissappeared.) Flaperon found on Reunion Island 29 July 2015.

Figure 3b: Possible path of Flaperon from Maldives to Reunion Island

Flaperon Trailing Edge Damage:- The Flaperon has damage to the trailing edge (the side that is not visible in the Figure 3a photo) that could possibly have been caused by the frictional force of the ocean surface against the Flaperon, as the aircraft 'touched-down' and skimmed along the surface of the ocean (Imagine the momentum of a Boeing 777 coming in at hundreds of km's per hour attempting a water landing – large forces in play that could easily rip away parts of the trailing edge of a Flaperon.)

**Investigate the Barnacle origins:** The Barnacles/Shells attached to the Flaperon indicates the piece has been in water for a long time. It would be a good exercise to verify if any of the barnacles/shells/organic growth on the Flaperon can be found in the Maldives, as this would further support the possibility that it may have originated from this "Aircraft-Shaped" object which is laying in proximity to the reef systems of the Maldives Islands.