

Advanced Report Debris Drift Mapping MH370

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The advanced review author presents a new interpretation of research to locate lost flight MH370 aircraft position in argumentation to simulate debris drift map in the area of Oceanic crash. Search leading agency ATSB the surface and underwater searches in the meantime report no result for wreckage of aircraft MH370. In mean time models, MH370 debris drifts, partially agree with a satellite data and known debris chronology being consistent with general Oceanic currents directions. The author's research aim was to utilize experimental approaches in the study of the possible crash locations for the disappeared MH370 aircraft. There has been a controversy regarding the site of the accident of the Malaysian Airlines flight MH370. Recent findings suggest in a review that there could be two possible debris crash sites. The Indian Ocean map location of the drift traces calculated by graphical method simulation. The author experimental simulation centered on the possibility of a debris transporting across the North Indian Ocean and this assumption to explained unique flaperon appearance at Reunion Island.

The comparisons of the possible crash locations are achieved through the graphical computer map visualizations as conducted by the German and Australia groups. The simulations by experiment gave a graphical visualization of a possible transport exchange for the North Gyre debris. The traced simulations as per the examinations had an inclination towards the coast of S Africa, Mozambique, Tanzania and, India, which in agreement to the debris discovered in the year 2016, was a proof of the marine debris transporting complex assumption by the experimental research.

Recent findings have indicated that the debris of flight MH370 could be located near the coast of Madagascar at Reunion Island. During 2016, additional debris has reported off the coast of South Africa, Mozambique, Tanzania, and Madagascar. Based on these findings, a simulation study indicated that there could be two possible sites of the debris crash of flight MH370 aircraft. The simulation study Lev Vozchikov, 2016 indicated that the possible debris crash sites of MH370 could be the Indian coast or the Australian coast. The simulations and assumptions were based on the drift satellite observer of ocean currents in the Indian Ocean. The present article appraised the findings of the simulation study based on statistical analysis and time-series analysis.

Experimental simulation map results given in an article based on the current, satellite pointed underwater location search approach. Found single first debris by the year 2015 off the coast of Madagascar, - Reunion Island took in the account to assume that necessary to point out alternative debris crash place of West Coast of Australia and West Coast of India.

In the experimental simulation conducted by the author, varied comparisons of the start points are made on the South and North Gyre prototypes, which allowed for the actual computation and boosting of the explanations underlying mappings of debris drift. An assumption of flaperon first stage location of the crash as the alternative mapping explanation for the debris author made to verify North Gyre area. The developed calculations on the NASA's Oceanic Drift Ship simulator as made in a 2014-2015 season's range successfully proved the positive results from the drawings developed. With the help of the simulator, two start points could be determined to North of the current search area.

The simulation study was based on Ocean debris Drift mapping of a flaperon that has been isolated off the coast of Madagascar. The process of the oceanic drift is a physical process and is a function of the different ocean currents existing in the North Indian Gyre and the South Indian Gyre. The simulation computation was based on the interval statistics of oceanic debris transport. The simulations developed based on the seasonal flow of ocean currents, the surface winds of the marine region, the data observed regarding the location of the flaperon, - debris and the point of the crash. The point of the crash was considered as the dependable variable, and the other variables were considered as the independent variable. The time lag between the data of the accident, - March 08

2014 and the appearance of the flaperon at the Reunion Island, - 2015 was considered as the constant in the regression analysis or the simulation analysis. The graphical mapping of two alternative start points of the debris crash we could obtain from the simulation/regression satellite observer analysis. These two sites are the West Indian coast and the West Australian coast.

Drifter (flaperon) being examined, resumed by simulated traces leads to the coast of S. Africa, Mozambique, Tanzania, India. There discovered new debris, confirmed later as MH370, by the 2016 year in S. Africa, Mozambique, Tanzania, Madagascar, that proved the precision assumption of experimental research to forecast marine debris appearance. Positively to the summary of article necessary, to remind importance depicted debris appearance off the coast of India. There necessary to collect any information related to the unknown debris.

The simulation study reflected that the involvement of the North Indian Ocean gyre (Bengal Bay) or the South Indian Ocean gyre could have been equally responsible for the transport of the debris from the point of the crash to the sites where the flaperon/and other debris were isolated. Five random drifters could be modeled or confirming the identity of flaperon near the Reunion Island. The interval statistics indicated that the possibility of North Indian Gyre was strong in transporting the debris from the point of the crash. These assumptions based on correlation data of the time of arrival of debris and the speed of the North Indian, South Indian gyre. Initially, the search operations were based off the coast of Australia. However, the alternative methods of search based on simulation and interval statistics indicated that the site of the crash could have been the start points of North Indian Gyre.

The derived simulations off the Bengal Bay and the Australian coast traced back to the Reunion Island where the debris was found. By the debris schedule, it was certain that the made assumptions were different from one another. It was definite that the location of the alternative points is on the seventh arc and this in comparison indicates a possible strong prediction at the North Arc trace as the start point. Study depicted from the summary of the tracing that the debris drift was closer to the Indian coast.

Alternative method helpfully to describe statistically debris drift known as confirmed by the 2016 year. Two points there was necessary to execute to emulate the experimental graphical map. A resulting map is the best approximation elaborated known to this time.

Although the inferential statistics indicated the possibility of a North Indian gyre, the statistical analysis we should carry out through time-series analysis to follow the transport of debris based on the ocean currents movement created in the North Indian Gyre and South Indian Gyre. Such analysis we should carry out within the effects of both these currents jeopardized by the oceanic currents in the Atlantic Ocean. This point would mark the final trace of debris based on the involvement of North Indian and South Indian gyre.

Experimental study depicted in the summary of the tracing that the wreckage drift was closer to the Indian coast. From the previous years' conducted study in OJAPPS journal, there was no consensus debris schedule since the factual knowledge proved the presence of five debris in the Africa's coast.

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