# Ditching related Analysis Overview

(much more has been done but not presented)

Argiris Kamoulakos January 2019

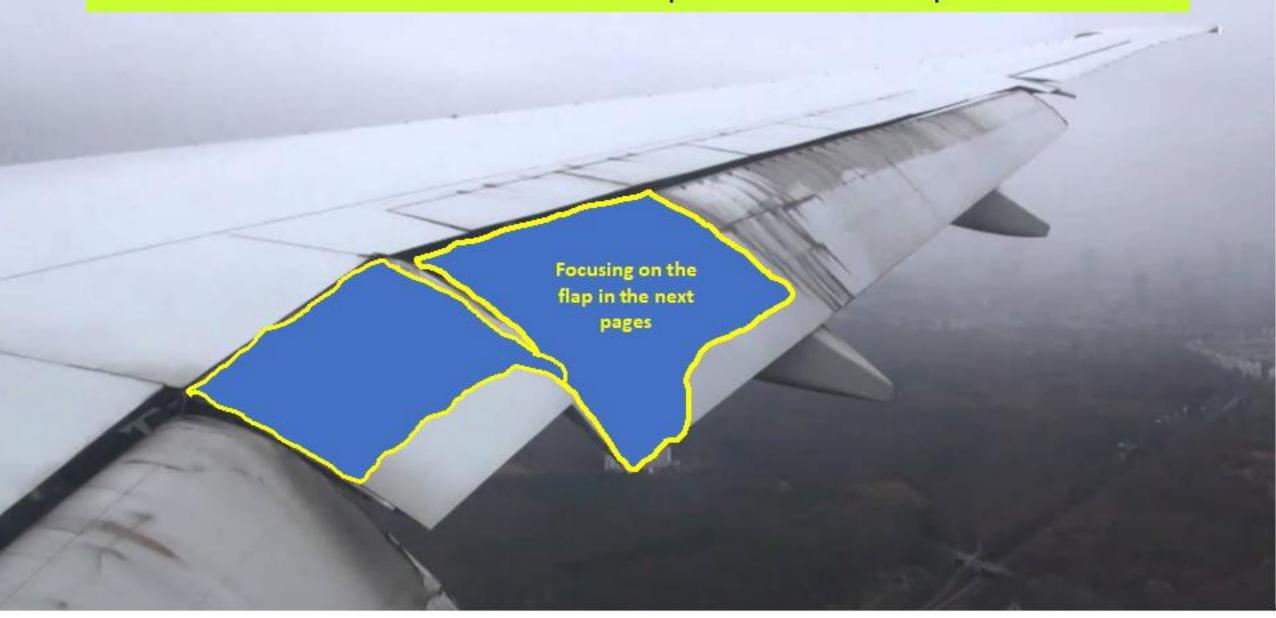
Property of the CAPTIO team

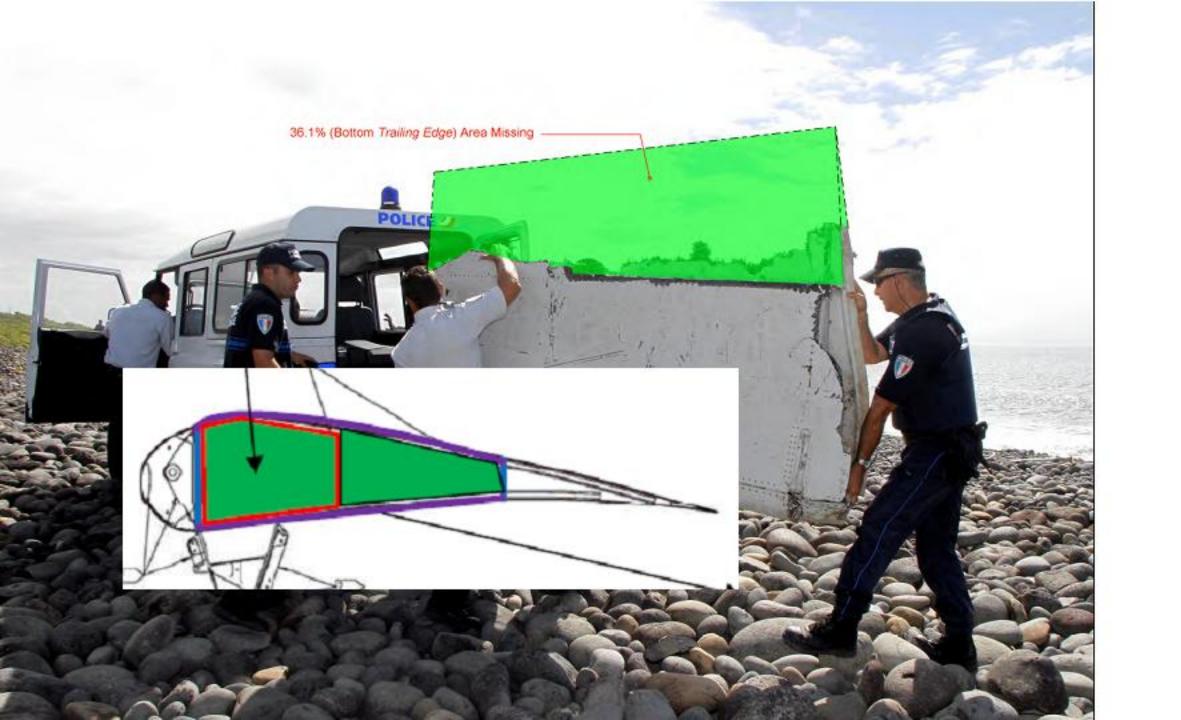
## Right Flaperon (best described in the DGA report)

#### SAFETY INVESTIGATION REPORT MH370 (9M-MRO)

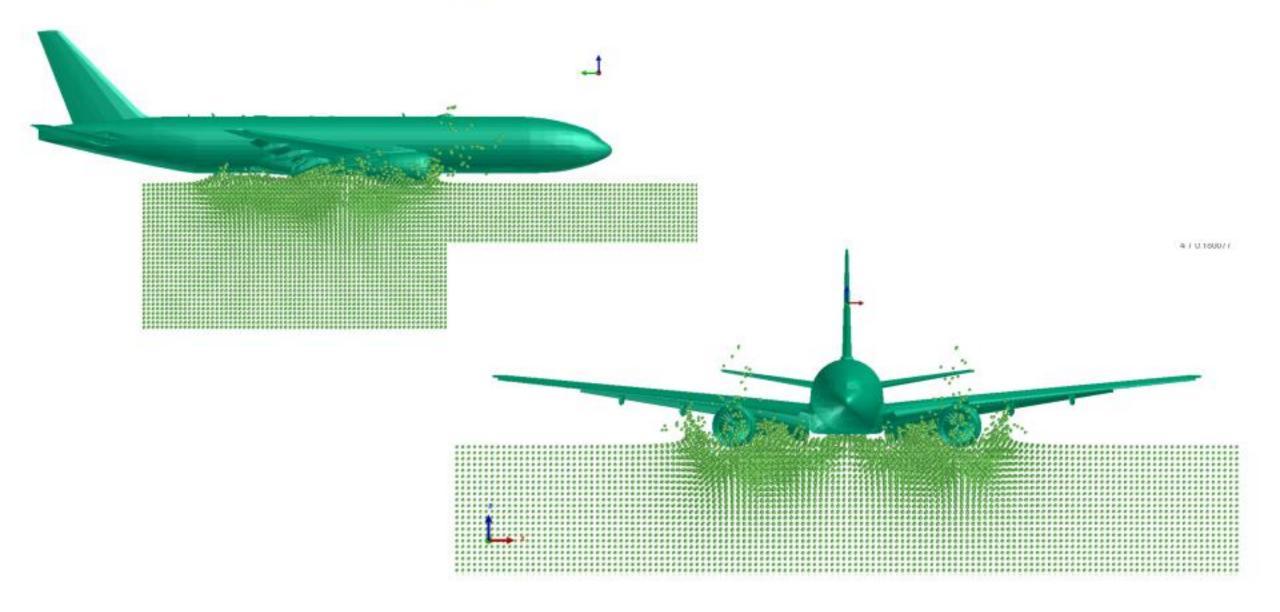
Ref.	Date Found	Debris	Location	Remarks
Item 1	29 July 2015		Saint-Denis Seint-Class Le Tampon	Confirmed by French Judicial Authority belonging to MH370 on 03 September 2015  Refer to Appendix 1.12A-1 and Appendix 1.12A-2
		Right Flaperon	Saint-Denis, Réunion Island	

### Combined location of Flaperon and Flap Debris

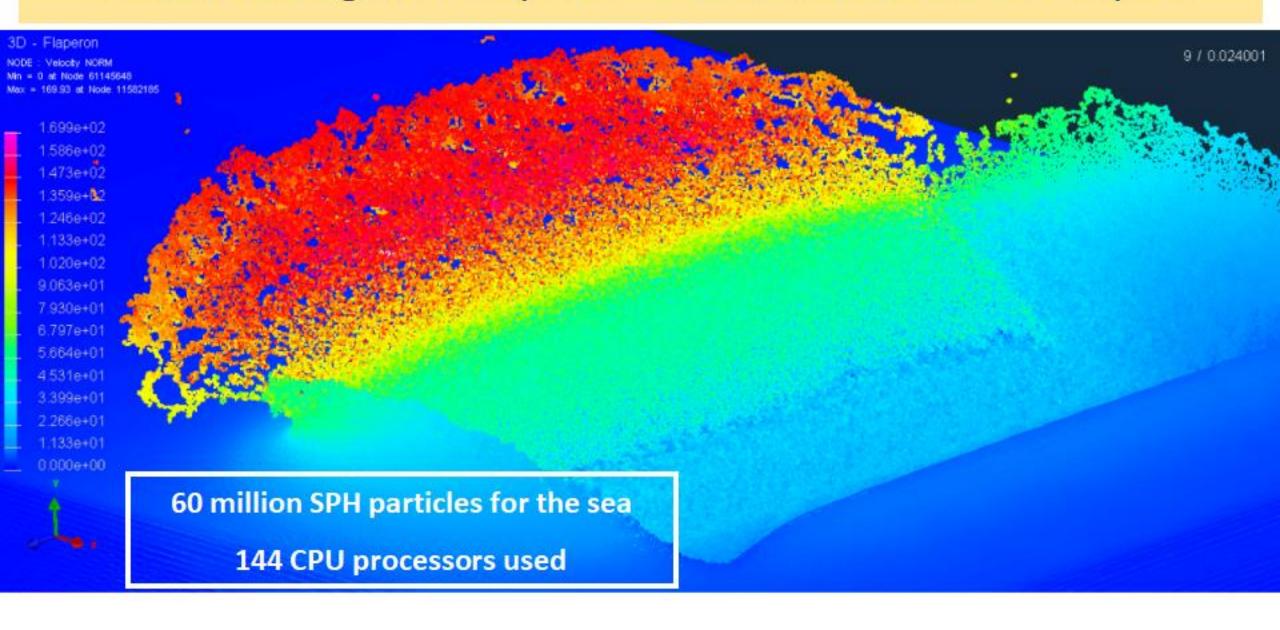




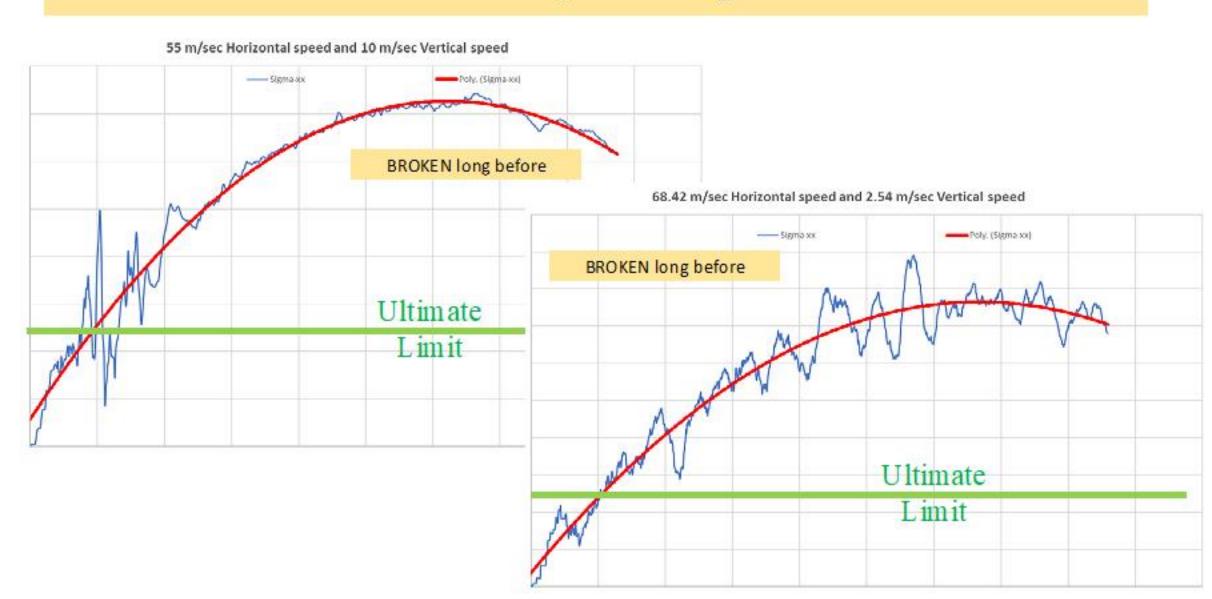
## Ditching simulation scenarios



#### Full 3D ditching of the flaperon – 24 milliseconds into the impact



#### Maximum tensile stress at the lower trailing edge skin at the 150mm spar Two different speed configurations



## Current research focuses on :

## Left Outboard Flap



Table 1.12A - Items of Debris

Left Outboard Flap

Clear perforation due to high speed impact

Most likely from lower surface

CFRP skin debonded from honeycomb core at the exit hole (upper surface)



## Right Outboard Flap

#### SAFETY INVESTIGATION REPORT MH370 (9M-MRO)

Ref.	Date Found	Debris	Location	Remarks
Item 19	20 June 2016	Right Outboard Flap	Pemba Island, East of Tanzania	The part is confirmed from MH370  Refer to Appendix 1.120

