

Analysis of the e-telltales with ADRENA (J2 trimming and condition)

Imoca SMA - Giraglia 2018

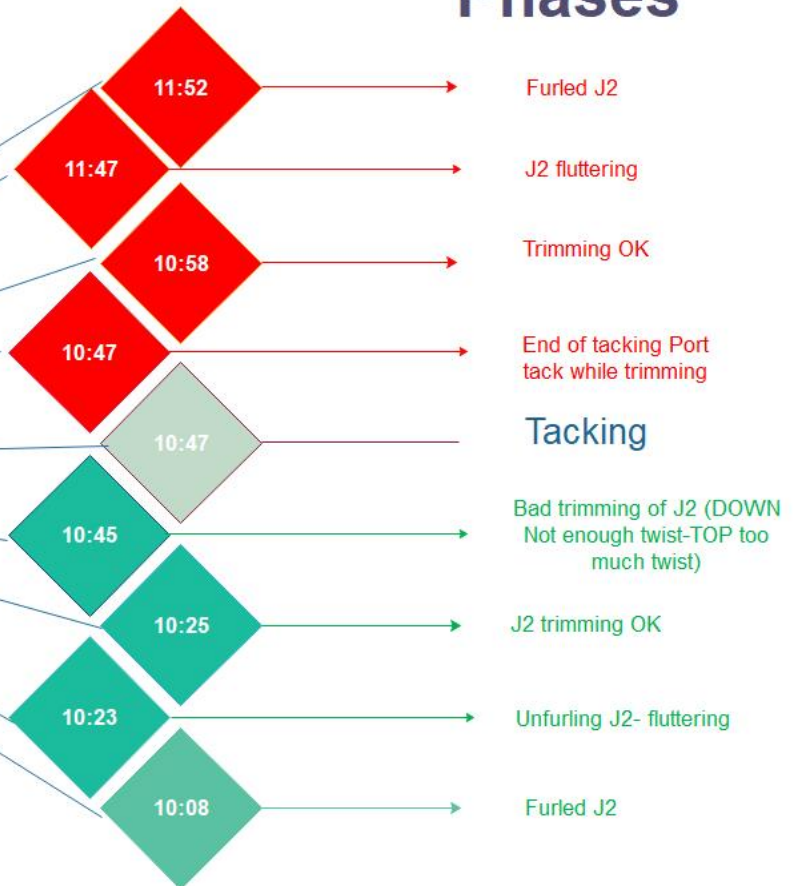
CONFIG= 4 e-telltales attached on each side of the J2 at 2 different levels



E-telltale condition	4 e-telltales resting = J2 is furled	e-telltale streaming aft	e-telltale breaking
ADRENA Condition	REST	ATTACHED FLOW	TURBULENT
Value of the standard deviation (STD)	STD < 30	30 < STD < 100	100 < STD

1 SMA unfurls her J2, sails to windward twice and furls

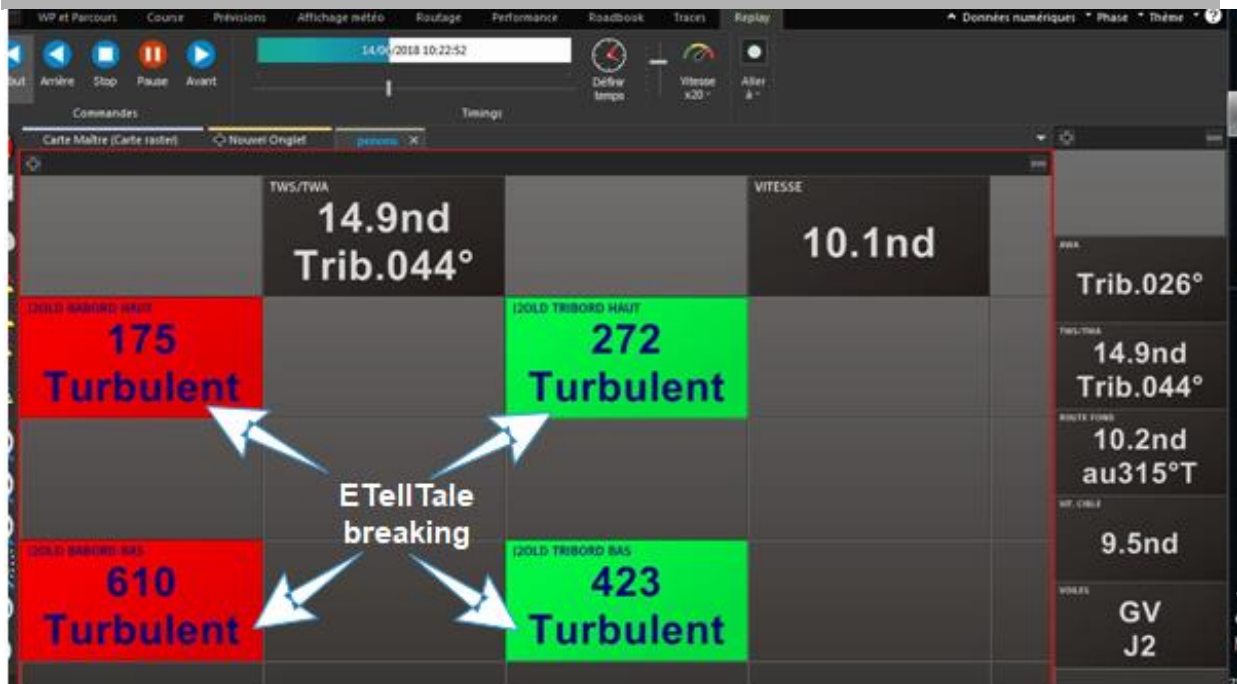
Phases



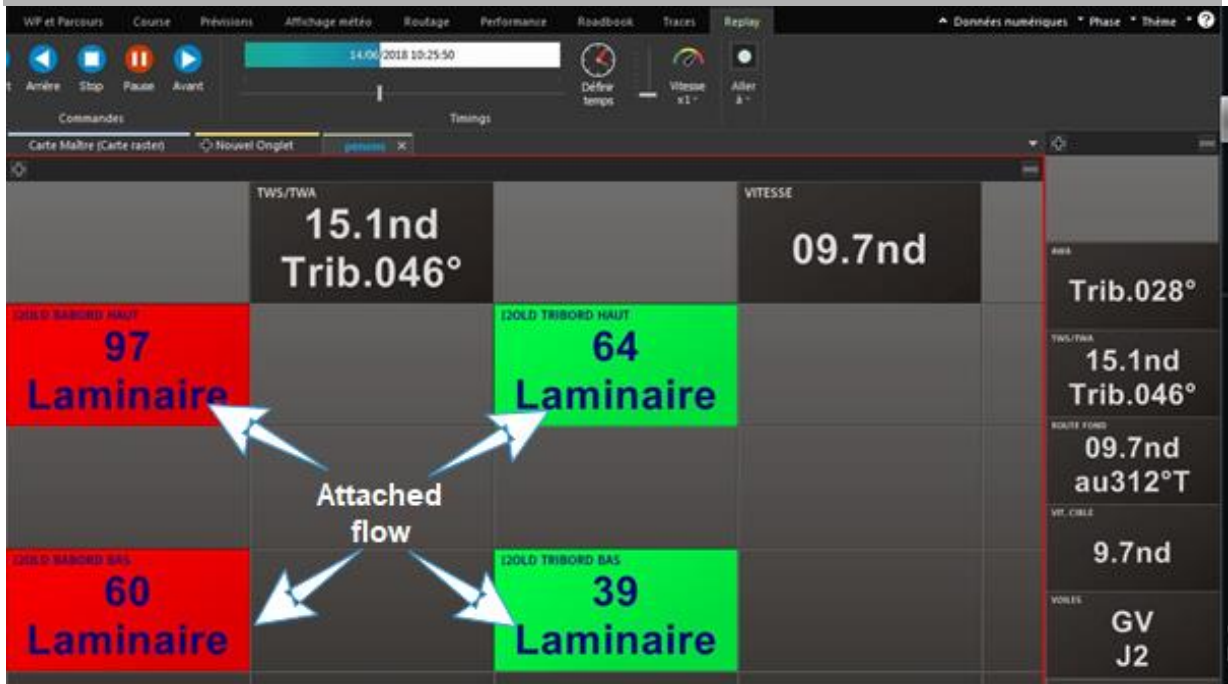
2 10h08 Starboard Tack- Furled J2



3 10h23 Starboard Tack- Unfurling J2- fluttering



4 10h25 Starboard Tack-Trimmed J2



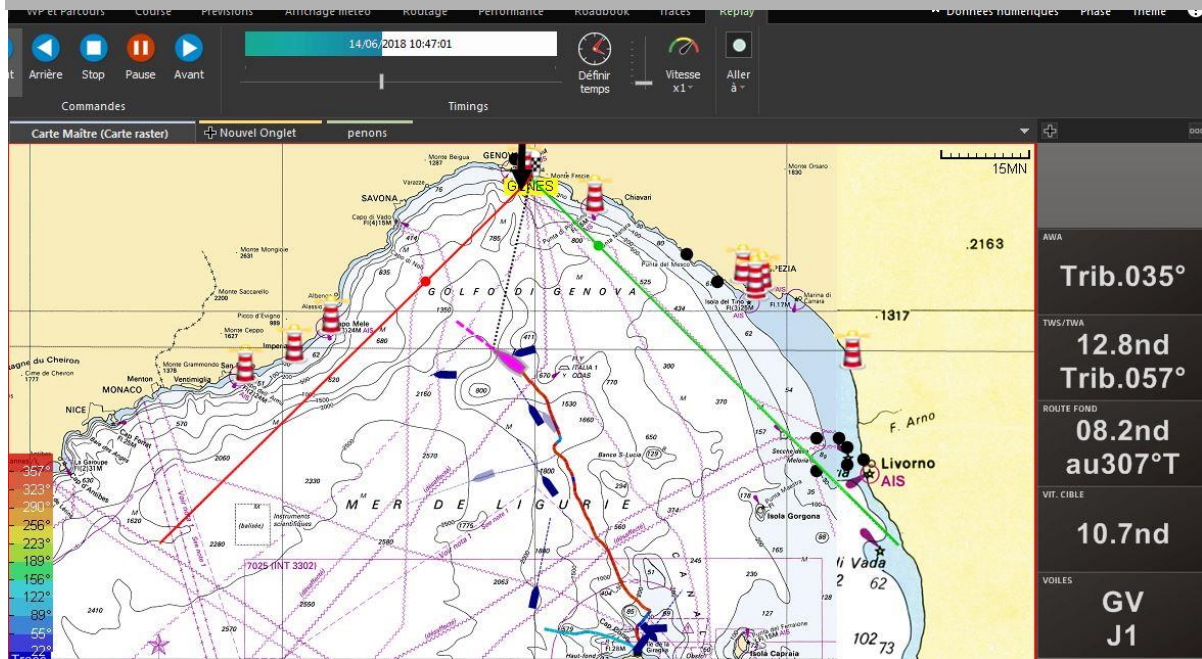
5 10h45 Starboard tack- bad trimming of J2! Beginning to tack Too much twist at the top & not enough down



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E L E C T R O N I C T E L L T A L E

6 10h47 Starboard tack- before tacking



7 10h47 End of tacking- Port tack while trimming



TRIMCONTROLTM

E L E C T R O N I C T E L L T A L E

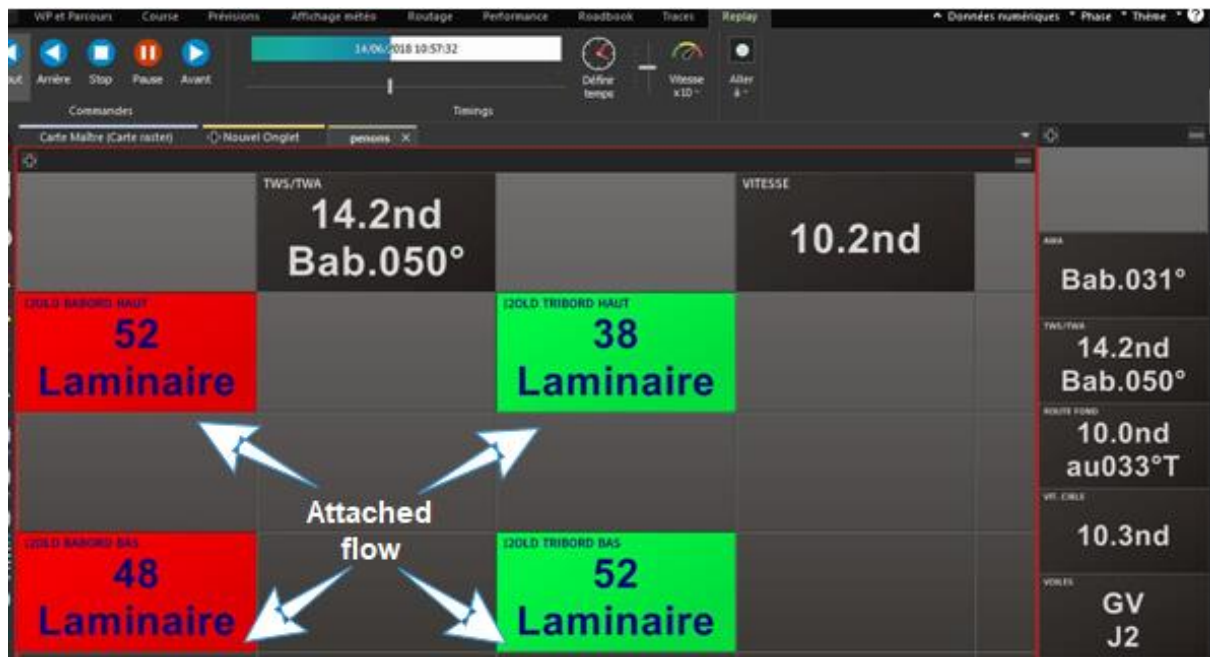
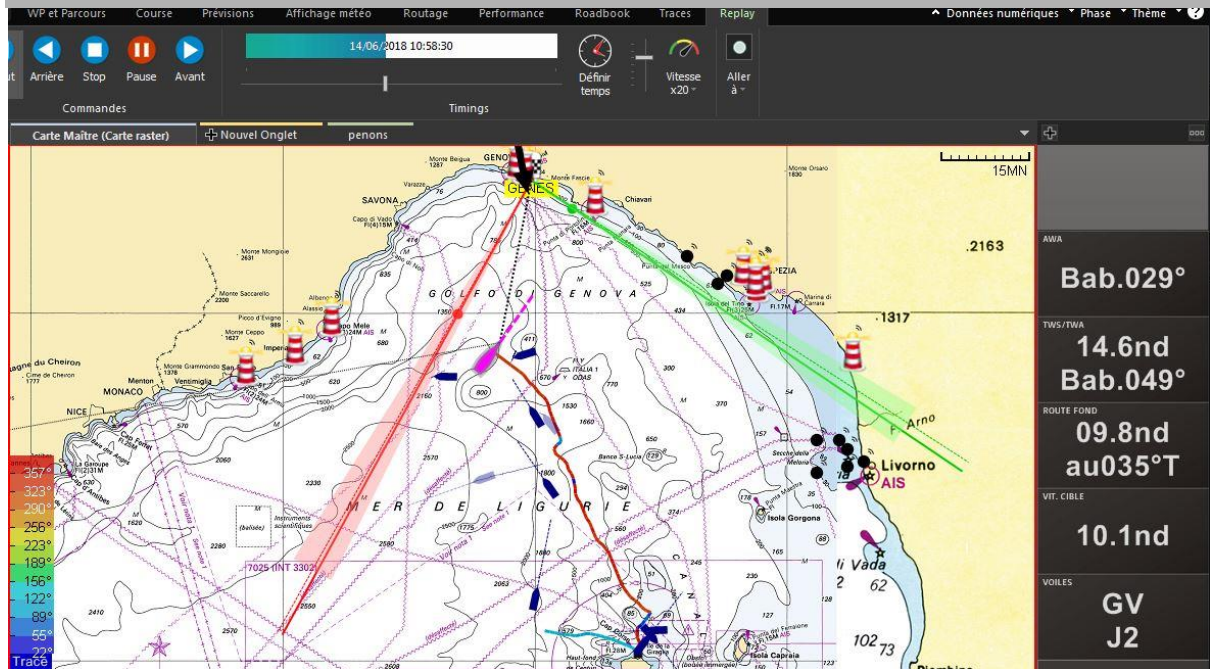
8 10h47 End of tacking- Port tack New trimming ok



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E L E C T R O N I C T E L L T A L E

9 10h58- Port tack trimming ok



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Dimitri VOISIN
In charge of Research and Development
dvoisin@meragitee.com

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E L E C T R O N I C T E L L T A L E

10 11h47- Port tack J2 flutters



11 11h52- Port tack furled J2

