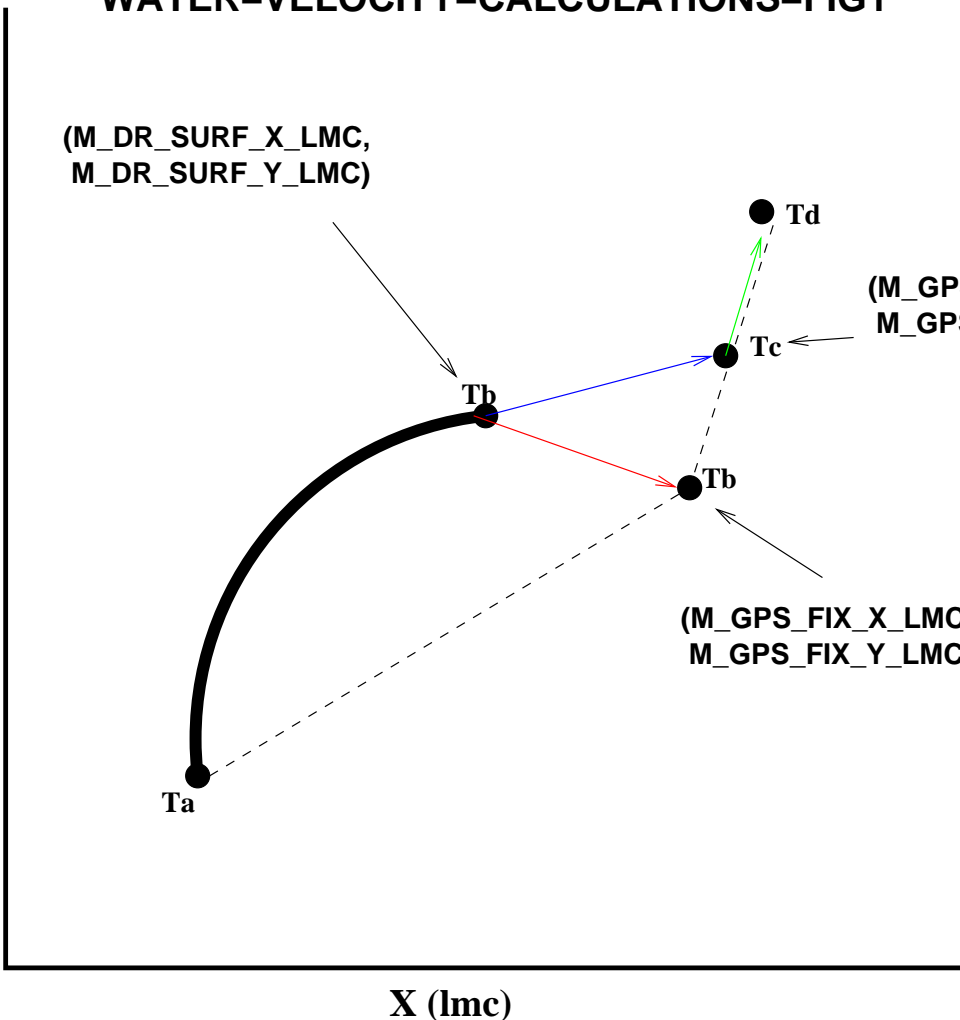


Y (lmc)



Dead Reckoned Position



Actual Position

$T_b - T_a = M\_DR\_TIME$  ; Length of time underwater and dead reckoning

$T_c - T_b = M\_DR\_FIX\_TIME$  ; Length of time on surface waiting for first GPS fix

$T_d - T_c = M\_DR\_POSTFIX\_TIME$  ; Time on surfacing waiting to correct surface drift



Vector (  $M\_DR\_SURF\_X\_LMC, M\_DR\_SURF\_Y\_LMC$  )



Vector (  $M\_DR\_X\_POSTFIX\_DRIFT, M\_DR\_Y\_POSTFIX\_DRIFT$  )



Vector (  $M\_DR\_X\_ACTUAL\_ERR, M\_DR\_Y\_ACTUAL\_ERR$  )

