At Δ=8.7 Mm
with a 200 m/s southward flow

τ_{ref} = 12.85 minutes $\qquad\qquad$ τ_{ref} = 12.85+2π/ω_{ref}= 16.95 minutes

τ_{North} = 12.917 min $\qquad\qquad$ τ_{North} = 12.917+2π/ω_{North}= 17.074 min

τ_{South} = 12.781 min $\qquad\qquad$ τ_{North} = 12.781+ 2π/ω_{South}= 16.794 min

$\delta\tau_{NS}$ = 8.15 sec $\qquad\qquad\qquad\qquad$ $\delta\tau_{NS}$ = 16.79 sec