

Quantity	Prior range
$d$	$[0, 20]$
$\vartheta$	$[-180^\circ, 180^\circ]$
$q$	$[0, 20]$
$\vartheta_q$	$[-180^\circ, 180^\circ]$
$r_D$	$[0, \kappa]$
$\vartheta_{r_D}$	$[-180^\circ, 180^\circ]$
$r_G$	$[0, \kappa]$
$\vartheta_{r_G}$	$[-180^\circ, 180^\circ]$
$\gamma$ (analysis C only)	$[-180^\circ, 180^\circ]$
$-2\beta_s$ [rad] (analysis D only)	$[-\pi, \pi]$