

Results are obtained with  $h_0^P$  estimated

CALIBRATED PARAMETERS ON WEDNESDAYS, $h_0^Q$ IS CALIBRATED WITH RESPECT TO OPTIONS LIKELIHOOD									
$\theta$	2010	2011	2012	2013	2014	2015	2016	2017	2018
$\omega$	$1.2384e-08$	$4.0086e-07$	$3.1333e-08$	$1.3755e-07$	$6.9525e-08$	$2.3119e-08$	$4.5524e-08$	$1.5096e-08$	$1.8178e-08$
<b>ci</b>	$(\pm 1.9830e-08)$	$(\pm 4.3891e-07)$	$(\pm 4.5975e-08)$	$(\pm 1.3389e-07)$	$(\pm 1.0399e-07)$	$(\pm 3.3431e-08)$	$(\pm 6.5163e-08)$	$(\pm 2.0662e-08)$	$(\pm 2.3115e-08)$
<b>median</b>	$4.2614e-10$	$1.2486e-09$	$7.9886e-10$	$1.2631e-09$	$7.7874e-10$	$1.1199e-09$	$8.6919e-10$	$5.7281e-10$	$7.1012e-10$
$\alpha$	$1.8162e-05$	$1.4839e-05$	$8.9367e-06$	$6.2985e-06$	$8.1050e-06$	$7.2957e-06$	$4.6588e-06$	$2.9109e-06$	$1.3426e-05$
<b>ci</b>	$(\pm 5.3349e-06)$	$(\pm 5.5222e-06)$	$(\pm 3.4023e-06)$	$(\pm 2.2367e-06)$	$(\pm 2.7073e-06)$	$(\pm 2.0235e-06)$	$(\pm 1.1279e-06)$	$(\pm 1.1222e-06)$	$(\pm 4.6039e-06)$
<b>median</b>	$1.0695e-05$	$7.6836e-06$	$4.7572e-06$	$3.3952e-06$	$2.8549e-06$	$4.3648e-06$	$2.9570e-06$	$1.4933e-06$	$4.5110e-06$
$\beta$	0.6465	0.5668	0.7271	0.7325	0.6222	0.5594	0.6426	0.7106	0.5391
<b>ci</b>	$(\pm 0.0728)$	$(\pm 0.0805)$	$(\pm 0.0603)$	$(\pm 0.0703)$	$(\pm 0.0847)$	$(\pm 0.0689)$	$(\pm 0.0573)$	$(\pm 0.0781)$	$(\pm 0.1047)$
<b>median</b>	0.7430	0.6600	0.8060	0.8158	0.7748	0.6585	0.6903	0.8071	0.6888
$\gamma^*$	134.3603	195.1009	191.4698	217.4109	237.1588	270.9957	276.1619	324.0345	227.4457
<b>ci</b>	$(\pm 13.3942)$	$(\pm 27.1816)$	$(\pm 26.7061)$	$(\pm 41.1883)$	$(\pm 30.6111)$	$(\pm 33.9784)$	$(\pm 20.7518)$	$(\pm 31.8355)$	$(\pm 30.7136)$
<b>median</b>	127.2052	175.8919	171.5645	181.2201	221.1372	254.0407	294.1570	327.0867	198.2446
$h_0^Q$	$1.2662e-04$	$2.2087e-04$	$8.4211e-05$	$4.9742e-05$	$4.9380e-05$	0.0001	$6.8390e-05$	$1.8939e-05$	$1.3543e-04$
<b>ci</b>	$(\pm 3.5965e-05)$	$(\pm 6.3341e-05)$	$(\pm 1.6174e-05)$	$(\pm 1.2877e-05)$	$(\pm 1.6179e-05)$	$(\pm 3.1241e-05)$	$(\pm 2.1089e-05)$	$(\pm 5.3916e-06)$	$(\pm 4.7933e-05)$
<b>median</b>	$9.2058e-05$	$1.1459e-04$	$6.0478e-05$	$3.5047e-05$	$2.7422e-05$	$5.5033e-05$	$3.8411e-05$	$1.3835e-05$	$4.6850e-05$
<b>MSE</b>	0.6622	1.0575	1.0914	0.6991	1.0554	1.3990	1.6195	2.2744	4.8658
<b>IVRMSE</b>	0.0559	0.0659	0.0806	0.0776	0.0798	0.0917	0.0983	0.1006	0.0792
<b>MAPE</b>	0.0662	0.0726	0.1098	0.1032	0.1205	0.1355	0.1307	0.1651	0.1233
<b>OptLL</b>	226.0306	234.8200	265.2162	363.1728	389.5383	469.0620	572.8691	650.3873	729.6044