

Results are obtained with r weekly tbill over the calibration period, MLE P parameters obtained with weekly tbill r

MULTIPLE OPHIONS CALIBRATION EXERCISE OVER 12 MONTHS, IN-SAMPLE RESULTS										
values	$\omega$	$\alpha$	$\beta$	$\gamma^*$	$h_0^Q$	persistency	OptLL	normOptLL	MSE	IVRMSE
<b>2010</b>										
<b>h0 P</b>	$3.5895e-12$	$2.3805e-06$	0.9009	188.6198	$5.0546e-05$	0.9856	-114.4776	470.8997	10.6972	0.1779
<b>h0 RV</b>	$2.6756e-06$	$9.2019e-07$	0.4495	758.1847	$1.9879e-05$	0.9785	-111.1068	477.6414	11.7754	0.1859
<b>h0 Q</b>	$2.3338e-06$	$8.8676e-07$	0.5059	731.5897	$4.8527e-05$	0.9806	-110.1847	479.4856	11.7365	0.1780
<b>h0 est</b>	$2.3169e-06$	$8.9029e-07$	0.5109	726.3841	$4.9163e-05$	0.9806	-110.1664	479.5222	11.7429	0.1778
<b>2011</b>										
<b>h0 P</b>	$4.0365e-11$	$1.9866e-06$	0.7520	343.0715	$2.2179e-05$	0.9858	-149.4203	456.7280	43.0248	0.2808
<b>h0 RV</b>	$1.9631e-10$	$1.9858e-06$	0.7514	343.6047	$1.9261e-05$	0.9858	-149.5456	456.4774	43.1358	0.2817
<b>h0 Q</b>	$3.7530e-11$	$1.9814e-06$	0.7505	344.6897	$1.5182e-05$	0.9859	-149.7032	456.1622	43.2009	0.2825
<b>h0 est</b>	$2.3792e-10$	$1.4676e-06$	0.7176	431.5331	$8.7779e-05$	0.9909	-143.1676	469.2334	27.3179	0.2434
<b>2012</b>										
<b>h0 P</b>	$3.8859e-07$	$1.4443e-06$	0.8252	332.1292	$1.3461e-04$	0.9845	-135.3637	600.9827	13.0118	0.1628
<b>h0 RV</b>	$7.3510e-10$	$1.1542e-05$	0.6463	143.9966	$3.8907e-05$	0.8856	-138.7845	594.1410	18.7322	0.1756
<b>h0 Q</b>	$4.1940e-07$	$1.3943e-06$	0.8265	336.6111	$1.2516e-04$	0.9845	-135.7464	600.2173	14.0642	0.1645
<b>h0 est</b>	$4.1997e-07$	$1.5652e-06$	0.8191	323.6122	$1.5170e-04$	0.9830	-135.1289	601.4523	12.0758	0.1625
<b>2013</b>										
<b>h0 P</b>	$1.1656e-06$	$1.1829e-06$	0.7028	472.0011	$8.7968e-05$	0.9663	-168.8816	841.9005	5.7577	0.1573
<b>h0 RV</b>	$4.4829e-05$	$2.2006e-13$	0.0000	-236.2533	$3.9988e-04$	0.0000	-209.8716	759.9205	26.3953	0.1745
<b>h0 Q</b>	$9.6564e-11$	$1.7210e-06$	0.8437	278.7416	$7.1336e-05$	0.9774	-169.1030	841.4576	5.2884	0.1426
<b>h0 est</b>	$9.2744e-07$	$7.2384e-07$	0.7256	590.3128	$8.9345e-06$	0.9779	-164.2991	851.0656	5.6589	0.1569
<b>2014</b>										
<b>h0 P</b>	$8.6886e-12$	$8.4232e-07$	0.8143	455.1340	$4.0975e-05$	0.9888	-200.3642	879.9261	11.4073	0.1506
<b>h0 RV</b>	$6.6935e-12$	$1.9020e-06$	0.7965	300.1397	$2.5493e-05$	0.9679	-206.6674	867.3196	14.8940	0.1598
<b>h0 Q</b>	$2.3928e-09$	$8.3604e-07$	0.8134	458.1211	$4.0883e-05$	0.9889	-200.3059	880.0428	11.3957	0.1507
<b>h0 est</b>	$9.6605e-10$	$7.2388e-07$	0.8037	509.4507	$3.0421e-05$	0.9916	-197.6685	885.3175	10.3344	0.1520
<b>2015</b>										
<b>h0 P</b>	$7.5546e-09$	$2.6707e-06$	0.6227	357.0671	$1.4584e-04$	0.9632	-260.0216	1021.0154	14.9477	0.1855
<b>h0 RV</b>	$1.2026e-09$	$2.9444e-06$	0.6229	338.0749	$8.1791e-05$	0.9595	-263.2319	1014.5948	16.8348	0.1940
<b>h0 Q</b>	$1.4417e-09$	$2.4542e-06$	0.6429	362.8829	$1.1998e-04$	0.9661	-260.7672	1019.5242	15.1522	0.1840
<b>h0 est</b>	$7.5280e-09$	$2.8102e-06$	0.6150	350.9852	$1.5392e-04$	0.9612	-272.9089	995.2407	1640.9982	<i>NaN</i>
<b>2016</b>										
<b>h0 P</b>	$1.2009e-07$	$1.1415e-05$	0.3539	197.1684	$1.6478e-04$	0.7977	-354.8796	1230.0734	46.3697	0.2298
<b>h0 RV</b>	$1.2508e-07$	$1.1378e-05$	0.3539	197.6716	$1.9865e-04$	0.7985	-354.5074	1230.8178	46.0056	0.2287
<b>h0 Q</b>	$1.4766e-07$	$1.1363e-05$	0.3531	197.9435	$1.7953e-04$	0.7983	-354.7035	1230.4256	46.1613	0.2294
<b>h0 est</b>	$1.1643e-07$	$1.1448e-05$	0.3537	196.7768	$3.1399e-04$	0.7970	-352.8092	1234.2142	45.4592	0.2253
<b>2017</b>										
<b>h0 P</b>	$1.3339e-06$	$6.7907e-07$	0.0006	1178.7828	$5.6402e-05$	0.9441	-375.4373	1452.3763	23.2025	0.2265
<b>h0 RV</b>	$9.3730e-07$	$8.4388e-07$	0.3721	829.3149	$1.3258e-05$	0.9525	-376.7344	1449.7819	23.2321	0.2158
<b>h0 Q</b>	$2.0380e-06$	$4.4883e-06$	0.1429	376.6010	$4.2575e-05$	0.7795	-375.1508	1452.9491	32.3902	0.1787
<b>h0 est</b>	$6.2127e-07$	$9.1742e-07$	0.5074	703.7250	$4.3976e-05$	0.9617	-373.1460	1456.9587	19.8228	0.2039
<b>2018</b>										
<b>h0 P</b>	$4.4210e-10$	$2.1664e-06$	0.7274	326.8953	$2.3863e-05$	0.9589	-475.4153	1673.8381	38.2793	0.1702
<b>h0 RV</b>	$2.4647e-07$	$1.8187e-06$	0.6922	384.4096	$5.7185e-06$	0.9610	-472.4504	1679.7678	37.0654	0.1725
<b>h0 Q</b>	$4.0938e-08$	$2.1144e-06$	0.7221	334.7955	$2.0074e-05$	0.9591	-474.9755	1674.7176	37.9983	0.1713
<b>h0 est</b>	$1.2685e-07$	$1.9902e-06$	0.7102	354.0573	$9.2545e-06$	0.9597	-472.4273	1679.8139	37.9223	0.1712