For our case we wish to use some baskets from finance.yahoo.com data

.https://query1.finance.yahoo.com/v7/finance/download/%5eGspc?period1=1530489600&period2=1593561600&interval=1wk&events<history

Data below shows assets and their returns

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| dates | Open | High | Low | Close | Adj Close | Volume | open returns | high returns | low returns | close returns | adj close retuns | volume returns |
| 7/2/2018 | 2704.95 | 2727.26 | 2698.95 | 2726.71 | 2726.71 | 3.07E+09 |  |  |  |  |  |  |
| 7/3/2018 | 2733.27 | 2736.58 | 2711.16 | 2713.22 | 2713.22 | 1.91E+09 | 1.01046H3:H496972 | 1.003417 | 1.004524 | 0.995053 | 0.995053 | 0.621889 |
| 7/5/2018 | 2724.19 | 2737.83 | 2716.02 | 2736.61 | 2736.61 | 2.95E+09 | 0.996678 | 1.000457 | 1.001793 | 1.008621 | 1.008621 | 1.545104 |
| 7/6/2018 | 2737.68 | 2764.41 | 2733.52 | 2759.82 | 2759.82 | 2.55E+09 | 1.004952 | 1.009708 | 1.006443 | 1.008481 | 1.008481 | 0.865024 |
| 7/9/2018 | 2775.62 | 2784.65 | 2770.73 | 2784.17 | 2784.17 | 3.05E+09 | 1.013859 | 1.007322 | 1.013612 | 1.008823 | 1.008823 | 1.193856 |
| ######## | 2788.56 | 2795.58 | 2786.24 | 2793.84 | 2793.84 | 3.06E+09 | 1.004662 | 1.003925 | 1.005598 | 1.003473 | 1.003473 | 1.004528 |
| ######## | 2779.82 | 2785.91 | 2770.77 | 2774.02 | 2774.02 | 2.96E+09 | 0.996866 | 0.996541 | 0.994448 | 0.992906 | 0.992906 | 0.967652 |
| ######## | 2783.14 | 2799.22 | 2781.53 | 2798.29 | 2798.29 | 2.82E+09 | 1.001194 | 1.004778 | 1.003883 | 1.008749 | 1.008749 | 0.95175 |
| ######## | 2796.93 | 2804.53 | 2791.69 | 2801.31 | 2801.31 | 2.61E+09 | 1.004955 | 1.001897 | 1.003653 | 1.001079 | 1.001079 | 0.926395 |
| ######## | 2797.36 | 2801.19 | 2793.39 | 2798.43 | 2798.43 | 2.81E+09 | 1.000154 | 0.998809 | 1.000609 | 0.998972 | 0.998972 | 1.075834 |
| ######## | 2789.34 | 2814.19 | 2789.24 | 2809.55 | 2809.55 | 3.05E+09 | 0.997133 | 1.004641 | 0.998514 | 1.003974 | 1.003974 | 1.084808 |
| ######## | 2811.35 | 2816.76 | 2805.89 | 2815.62 | 2815.62 | 3.09E+09 | 1.007891 | 1.000913 | 1.005969 | 1.002161 | 1.002161 | 1.0128 |
| ######## | 2809.37 | 2812.05 | 2799.77 | 2804.49 | 2804.49 | 3.27E+09 | 0.999296 | 0.998328 | 0.997819 | 0.996047 | 0.996047 | 1.05726 |
| ######## | 2804.55 | 2809.7 | 2800.01 | 2801.83 | 2801.83 | 3.23E+09 | 0.998284 | 0.999164 | 1.000086 | 0.999052 | 0.999052 | 0.98883 |
| ######## | 2799.17 | 2808.61 | 2795.14 | 2806.98 | 2806.98 | 2.91E+09 | 0.998082 | 0.999612 | 0.998261 | 1.001838 | 1.001838 | 0.900075 |
| ######## | 2820.68 | 2829.99 | 2811.12 | 2820.4 | 2820.4 | 3.42E+09 | 1.007684 | 1.007612 | 1.005717 | 1.004781 | 1.004781 | 1.175447 |
| ######## | 2817.73 | 2848.03 | 2817.73 | 2846.07 | 2846.07 | 3.55E+09 | 0.998954 | 1.006375 | 1.002351 | 1.009102 | 1.009102 | 1.039643 |
| ######## | 2835.49 | 2845.57 | 2835.26 | 2837.44 | 2837.44 | 3.65E+09 | 1.006303 | 0.999136 | 1.006221 | 0.996968 | 0.996968 | 1.028235 |
| ######## | 2842.35 | 2843.17 | 2808.34 | 2818.82 | 2818.82 | 3.42E+09 | 1.002419 | 0.999157 | 0.990505 | 0.993438 | 0.993438 | 0.934958 |
| ######## | 2819 | 2821.74 | 2798.11 | 2802.6 | 2802.6 | 3.25E+09 | 0.991785 | 0.992463 | 0.996357 | 0.994246 | 0.994246 | 0.950248 |
| ######## | 2809.73 | 2824.46 | 2808.06 | 2816.29 | 2816.29 | 3.89E+09 | 0.996712 | 1.000964 | 1.003556 | 1.004885 | 1.004885 | 1.19913 |
| 8/1/2018 | 2821.17 | 2825.83 | 2805.85 | 2813.36 | 2813.36 | 3.5E+09 | 1.004072 | 1.000485 | 0.999213 | 0.99896 | 0.99896 | 0.898484 |
| 8/2/2018 | 2800.48 | 2829.91 | 2796.34 | 2827.22 | 2827.22 | 3.47E+09 | 0.992666 | 1.001444 | 0.996611 | 1.004926 | 1.004926 | 0.991533 |
| 8/3/2018 | 2829.62 | 2840.38 | 2827.37 | 2840.35 | 2840.35 | 3.03E+09 | 1.010405 | 1.0037 | 1.011097 | 1.004644 | 1.004644 | 0.873971 |
| 8/6/2018 | 2840.29 | 2853.29 | 2835.98 | 2850.4 | 2850.4 | 2.87E+09 | 1.003771 | 1.004545 | 1.003045 | 1.003538 | 1.003538 | 0.948571 |
| 8/7/2018 | 2855.92 | 2863.43 | 2855.92 | 2858.45 | 2858.45 | 3.16E+09 | 1.005503 | 1.003554 | 1.007031 | 1.002824 | 1.002824 | 1.10027 |
| 8/8/2018 | 2856.79 | 2862.44 | 2853.09 | 2857.7 | 2857.7 | 2.97E+09 | 1.000305 | 0.999654 | 0.999009 | 0.999738 | 0.999738 | 0.939746 |
| 8/9/2018 | 2857.19 | 2862.48 | 2851.98 | 2853.58 | 2853.58 | 3.05E+09 | 1.00014 | 1.000014 | 0.999611 | 0.998558 | 0.998558 | 1.025183 |
| ######## | 2838.9 | 2842.2 | 2825.81 | 2833.28 | 2833.28 | 3.26E+09 | 0.993599 | 0.992915 | 0.990824 | 0.992886 | 0.992886 | 1.068588 |
| ######## | 2835.46 | 2843.4 | 2819.88 | 2821.93 | 2821.93 | 3.16E+09 | 0.998788 | 1.000422 | 0.997901 | 0.995994 | 0.995994 | 0.970028 |
| ######## | 2827.88 | 2843.11 | 2826.58 | 2839.96 | 2839.96 | 2.98E+09 | 0.997327 | 0.999898 | 1.002376 | 1.006389 | 1.006389 | 0.942541 |
| ######## | 2827.95 | 2827.95 | 2802.49 | 2818.37 | 2818.37 | 3.65E+09 | 1.000025 | 0.994668 | 0.991477 | 0.992398 | 0.992398 | 1.224423 |
| ######## | 2831.44 | 2850.49 | 2831.44 | 2840.69 | 2840.69 | 3.22E+09 | 1.001234 | 1.00797 | 1.01033 | 1.007919 | 1.007919 | 0.883352 |
| ######## | 2838.32 | 2855.63 | 2833.73 | 2850.13 | 2850.13 | 3.02E+09 | 1.00243 | 1.001803 | 1.000809 | 1.003323 | 1.003323 | 0.939196 |
| ######## | 2853.93 | 2859.76 | 2850.62 | 2857.05 | 2857.05 | 2.75E+09 | 1.0055 | 1.001446 | 1.00596 | 1.002428 | 1.002428 | 0.908707 |
| ######## | 2861.51 | 2873.23 | 2861.32 | 2862.96 | 2862.96 | 3.15E+09 | 1.002656 | 1.00471 | 1.003754 | 1.002069 | 1.002069 | 1.145239 |
| ######## | 2860.99 | 2867.54 | 2856.05 | 2861.82 | 2861.82 | 2.69E+09 | 0.999818 | 0.99802 | 0.998158 | 0.999602 | 0.999602 | 0.854604 |
| ######## | 2860.29 | 2868.78 | 2854.03 | 2856.98 | 2856.98 | 2.71E+09 | 0.999755 | 1.000432 | 0.999293 | 0.998309 | 0.998309 | 1.009054 |
| ######## | 2862.35 | 2876.16 | 2862.35 | 2874.69 | 2874.69 | 2.6E+09 | 1.00072 | 1.002572 | 1.002915 | 1.006199 | 1.006199 | 0.956623 |
| ######## | 2884.69 | 2898.25 | 2884.69 | 2896.74 | 2896.74 | 2.85E+09 | 1.007805 | 1.00768 | 1.007805 | 1.00767 | 1.00767 | 1.099334 |
| ######## | 2901.45 | 2903.77 | 2893.5 | 2897.52 | 2897.52 | 2.68E+09 | 1.00581 | 1.001905 | 1.003054 | 1.000269 | 1.000269 | 0.940124 |
| ######## | 2900.62 | 2916.5 | 2898.4 | 2914.04 | 2914.04 | 2.79E+09 | 0.999714 | 1.004384 | 1.001693 | 1.005701 | 1.005701 | 1.0405 |
| ######## | 2908.94 | 2912.46 | 2895.22 | 2901.13 | 2901.13 | 2.8E+09 | 1.002868 | 0.998615 | 0.998903 | 0.99557 | 0.99557 | 1.003696 |
| ######## | 2898.37 | 2906.32 | 2891.73 | 2901.52 | 2901.52 | 2.88E+09 | 0.996366 | 0.997892 | 0.998795 | 1.000134 | 1.000134 | 1.027864 |
| 9/4/2018 | 2896.96 | 2900.18 | 2885.13 | 2896.72 | 2896.72 | 3.08E+09 | 0.999513 | 0.997887 | 0.997718 | 0.998346 | 0.998346 | 1.068327 |
| 9/5/2018 | 2891.59 | 2894.21 | 2876.92 | 2888.6 | 2888.6 | 3.24E+09 | 0.998146 | 0.997942 | 0.997154 | 0.997197 | 0.997197 | 1.053359 |
| 9/6/2018 | 2888.64 | 2892.05 | 2867.29 | 2878.05 | 2878.05 | 3.14E+09 | 0.99898 | 0.999254 | 0.996653 | 0.996348 | 0.996348 | 0.968636 |
| 9/7/2018 | 2868.26 | 2883.81 | 2864.12 | 2871.68 | 2871.68 | 2.95E+09 | 0.992945 | 0.997151 | 0.998894 | 0.997787 | 0.997787 | 0.938425 |
| ######## | 2881.39 | 2886.93 | 2875.94 | 2877.13 | 2877.13 | 2.73E+09 | 1.004578 | 1.001082 | 1.004127 | 1.001898 | 1.001898 | 0.92707 |
| ######## | 2871.57 | 2892.52 | 2866.78 | 2887.89 | 2887.89 | 2.9E+09 | 0.996592 | 1.001936 | 0.996815 | 1.00374 | 1.00374 | 1.061602 |
| ######## | 2888.29 | 2894.65 | 2879.2 | 2888.92 | 2888.92 | 3.26E+09 | 1.005823 | 1.000736 | 1.004332 | 1.000357 | 1.000357 | 1.12597 |
| ######## | 2896.85 | 2906.76 | 2896.39 | 2904.18 | 2904.18 | 3.25E+09 | 1.002964 | 1.004184 | 1.00597 | 1.005282 | 1.005282 | 0.996937 |
| ######## | 2906.38 | 2908.3 | 2895.77 | 2904.98 | 2904.98 | 3.15E+09 | 1.00329 | 1.00053 | 0.999786 | 1.000275 | 1.000275 | 0.967701 |
| ######## | 2903.83 | 2904.65 | 2886.16 | 2888.8 | 2888.8 | 2.95E+09 | 0.999123 | 0.998745 | 0.996681 | 0.99443 | 0.99443 | 0.935856 |
| ######## | 2890.74 | 2911.17 | 2890.43 | 2904.31 | 2904.31 | 3.07E+09 | 0.995492 | 1.002245 | 1.001479 | 1.005369 | 1.005369 | 1.043033 |
| ######## | 2906.6 | 2912.36 | 2903.82 | 2907.95 | 2907.95 | 3.28E+09 | 1.005487 | 1.000409 | 1.004633 | 1.001253 | 1.001253 | 1.066808 |
| ######## | 2919.73 | 2934.8 | 2919.73 | 2930.75 | 2930.75 | 3.34E+09 | 1.004517 | 1.007705 | 1.005479 | 1.007841 | 1.007841 | 1.017594 |
| ######## | 2936.76 | 2940.91 | 2927.11 | 2929.67 | 2929.67 | 5.61E+09 | 1.005833 | 1.002082 | 1.002528 | 0.999631 | 0.999631 | 1.680067 |
| ######## | 2921.83 | 2923.79 | 2912.63 | 2919.37 | 2919.37 | 3.37E+09 | 0.994916 | 0.994179 | 0.995053 | 0.996484 | 0.996484 | 0.601363 |
| ######## | 2921.75 | 2923.95 | 2913.7 | 2915.56 | 2915.56 | 3.29E+09 | 0.999973 | 1.000055 | 1.000367 | 0.998695 | 0.998695 | 0.974281 |
| ######## | 2916.98 | 2931.15 | 2903.28 | 2905.97 | 2905.97 | 3.39E+09 | 0.998367 | 1.002462 | 0.996424 | 0.996711 | 0.996711 | 1.031393 |
| ######## | 2911.65 | 2927.22 | 2909.27 | 2914 | 2914 | 3.06E+09 | 0.998173 | 0.998659 | 1.002063 | 1.002763 | 1.002763 | 0.903273 |
| ######## | 2910.03 | 2920.53 | 2907.5 | 2913.98 | 2913.98 | 3.43E+09 | 0.999444 | 0.997715 | 0.999392 | 0.999993 | 0.999993 | 1.121355 |
| ######## | 2926.29 | 2937.06 | 2917.91 | 2924.59 | 2924.59 | 3.36E+09 | 1.005588 | 1.00566 | 1.00358 | 1.003641 | 1.003641 | 0.980156 |
| ######## | 2923.8 | 2931.42 | 2919.37 | 2923.43 | 2923.43 | 3.4E+09 | 0.999149 | 0.99808 | 1.0005 | 0.999603 | 0.999603 | 1.011203 |
| ######## | 2931.69 | 2939.86 | 2921.36 | 2925.51 | 2925.51 | 3.6E+09 | 1.002699 | 1.002879 | 1.000682 | 1.000712 | 1.000712 | 1.057859 |
| ######## | 2919.35 | 2919.78 | 2883.92 | 2901.61 | 2901.61 | 3.5E+09 | 0.995791 | 0.99317 | 0.987184 | 0.991831 | 0.991831 | 0.971698 |
| ######## | 2902.54 | 2909.64 | 2869.29 | 2885.57 | 2885.57 | 3.33E+09 | 0.994242 | 0.996527 | 0.994927 | 0.994472 | 0.994472 | 0.951991 |
| ######## | 2877.53 | 2889.45 | 2862.08 | 2884.43 | 2884.43 | 3.33E+09 | 0.991383 | 0.993061 | 0.997487 | 0.999605 | 0.999605 | 1.000403 |
| ######## | 2882.51 | 2894.83 | 2874.27 | 2880.34 | 2880.34 | 3.52E+09 | 1.001731 | 1.001862 | 1.004259 | 0.998582 | 0.998582 | 1.057106 |
| ######## | 2873.9 | 2874.02 | 2784.86 | 2785.68 | 2785.68 | 4.5E+09 | 0.997013 | 0.992811 | 0.968893 | 0.967136 | 0.967136 | 1.278583 |
| ######## | 2776.87 | 2795.14 | 2710.51 | 2728.37 | 2728.37 | 4.89E+09 | 0.966238 | 0.972554 | 0.973302 | 0.979427 | 0.979427 | 1.086505 |
| ######## | 2770.54 | 2775.77 | 2729.44 | 2767.13 | 2767.13 | 3.97E+09 | 0.99772 | 0.99307 | 1.006984 | 1.014206 | 1.014206 | 0.810947 |
| ######## | 2763.83 | 2775.99 | 2749.03 | 2750.79 | 2750.79 | 3.3E+09 | 0.997578 | 1.000079 | 1.007177 | 0.994095 | 0.994095 | 0.8321 |
| ######## | 2767.05 | 2813.46 | 2766.91 | 2809.92 | 2809.92 | 3.43E+09 | 1.001165 | 1.013498 | 1.006504 | 1.021496 | 1.021496 | 1.038847 |
| ######## | 2811.67 | 2816.94 | 2781.81 | 2809.21 | 2809.21 | 3.32E+09 | 1.016125 | 1.001237 | 1.005385 | 0.999747 | 0.999747 | 0.968897 |
| ######## | 2802 | 2806.04 | 2755.18 | 2768.78 | 2768.78 | 3.62E+09 | 0.996561 | 0.996131 | 0.990427 | 0.985608 | 0.985608 | 1.088728 |
| ######## | 2775.66 | 2797.77 | 2760.27 | 2767.78 | 2767.78 | 3.57E+09 | 0.9906 | 0.997053 | 1.001847 | 0.999639 | 0.999639 | 0.986188 |
| ######## | 2773.94 | 2778.94 | 2749.22 | 2755.88 | 2755.88 | 3.31E+09 | 0.99938 | 0.99327 | 0.995997 | 0.9957 | 0.9957 | 0.927281 |
| ######## | 2721.03 | 2753.59 | 2691.43 | 2740.69 | 2740.69 | 4.35E+09 | 0.980926 | 0.990878 | 0.978979 | 0.994488 | 0.994488 | 1.314907 |
| ######## | 2737.87 | 2742.59 | 2651.89 | 2656.1 | 2656.1 | 4.71E+09 | 1.006189 | 0.996005 | 0.985309 | 0.969136 | 0.969136 | 1.082954 |
| ######## | 2674.88 | 2722.7 | 2667.84 | 2705.57 | 2705.57 | 4.63E+09 | 0.976993 | 0.992748 | 1.006015 | 1.018625 | 1.018625 | 0.984172 |
| ######## | 2667.86 | 2692.38 | 2628.16 | 2658.69 | 2658.69 | 4.8E+09 | 0.997376 | 0.988864 | 0.985126 | 0.982673 | 0.982673 | 1.03633 |
| ######## | 2682.65 | 2706.85 | 2603.54 | 2641.25 | 2641.25 | 4.67E+09 | 1.005544 | 1.005375 | 0.990632 | 0.99344 | 0.99344 | 0.973049 |
| ######## | 2640.68 | 2685.43 | 2635.34 | 2682.63 | 2682.63 | 5.11E+09 | 0.984355 | 0.992087 | 1.012214 | 1.015667 | 1.015667 | 1.092578 |
| ######## | 2705.6 | 2736.69 | 2705.6 | 2711.74 | 2711.74 | 5.11E+09 | 1.024585 | 1.019088 | 1.026661 | 1.010851 | 1.010851 | 1.001183 |
| ######## | 2717.58 | 2741.67 | 2708.85 | 2740.37 | 2740.37 | 4.71E+09 | 1.004428 | 1.00182 | 1.001201 | 1.010558 | 1.010558 | 0.920977 |
| ######## | 2745.45 | 2756.55 | 2700.44 | 2723.06 | 2723.06 | 4.24E+09 | 1.010255 | 1.005427 | 0.996895 | 0.993683 | 0.993683 | 0.900075 |
| ######## | 2726.37 | 2744.27 | 2717.94 | 2738.31 | 2738.31 | 3.62E+09 | 0.99305 | 0.995545 | 1.00648 | 1.0056 | 1.0056 | 0.854974 |
| ######## | 2738.4 | 2756.82 | 2737.08 | 2755.45 | 2755.45 | 3.51E+09 | 1.004412 | 1.004573 | 1.007042 | 1.006259 | 1.006259 | 0.968962 |
| ######## | 2774.13 | 2815.15 | 2774.13 | 2813.89 | 2813.89 | 3.91E+09 | 1.013048 | 1.021158 | 1.013536 | 1.021209 | 1.021209 | 1.11504 |
| ######## | 2806.38 | 2814.75 | 2794.99 | 2806.83 | 2806.83 | 3.63E+09 | 1.011625 | 0.999858 | 1.00752 | 0.997491 | 0.997491 | 0.927387 |
| ######## | 2794.1 | 2794.1 | 2764.24 | 2781.01 | 2781.01 | 4.02E+09 | 0.995624 | 0.992664 | 0.988998 | 0.990801 | 0.990801 | 1.107038 |
| ######## | 2773.93 | 2775.99 | 2722 | 2726.22 | 2726.22 | 3.67E+09 | 0.992781 | 0.993518 | 0.984719 | 0.980299 | 0.980299 | 0.913373 |
| ######## | 2730.05 | 2754.6 | 2714.98 | 2722.18 | 2722.18 | 4.09E+09 | 0.984181 | 0.992295 | 0.997421 | 0.998518 | 0.998518 | 1.114551 |
| ######## | 2737.9 | 2746.8 | 2685.75 | 2701.58 | 2701.58 | 4.4E+09 | 1.002875 | 0.997168 | 0.989234 | 0.992433 | 0.992433 | 1.075995 |
| ######## | 2693.52 | 2735.38 | 2670.75 | 2730.2 | 2730.2 | 4.18E+09 | 0.983791 | 0.995842 | 0.994415 | 1.010594 | 1.010594 | 0.949293 |
| ######## | 2718.54 | 2746.75 | 2712.16 | 2736.27 | 2736.27 | 3.98E+09 | 1.009289 | 1.004157 | 1.015505 | 1.002223 | 1.002223 | 0.951196 |
| ######## | 2730.74 | 2733.16 | 2681.09 | 2690.73 | 2690.73 | 3.77E+09 | 1.004488 | 0.995052 | 0.988544 | 0.983357 | 0.983357 | 0.949114 |
| ######## | 2654.6 | 2669.44 | 2631.52 | 2641.89 | 2641.89 | 4.36E+09 | 0.972117 | 0.976686 | 0.981511 | 0.981849 | 0.981849 | 1.155053 |
| ######## | 2657.74 | 2670.73 | 2649.82 | 2649.93 | 2649.93 | 3.23E+09 | 1.001183 | 1.000483 | 1.006954 | 1.003043 | 1.003043 | 0.741997 |
| ######## | 2633.36 | 2647.55 | 2631.09 | 2632.56 | 2632.56 | 1.65E+09 | 0.990827 | 0.991321 | 0.992932 | 0.993445 | 0.993445 | 0.510785 |
| ######## | 2649.97 | 2674.35 | 2649.97 | 2673.45 | 2673.45 | 3.44E+09 | 1.006307 | 1.010123 | 1.007176 | 1.015532 | 1.015532 | 2.085157 |
| ######## | 2663.75 | 2682.53 | 2655.89 | 2682.17 | 2682.17 | 3.49E+09 | 1.0052 | 1.003059 | 1.002234 | 1.003262 | 1.003262 | 1.011983 |
| ######## | 2691.45 | 2744 | 2684.38 | 2743.79 | 2743.79 | 3.95E+09 | 1.010399 | 1.022915 | 1.010727 | 1.022974 | 1.022974 | 1.133837 |
| ######## | 2736.97 | 2753.75 | 2722.94 | 2737.8 | 2737.8 | 3.56E+09 | 1.016913 | 1.003553 | 1.014365 | 0.997817 | 0.997817 | 0.90108 |
| ######## | 2737.76 | 2760.88 | 2732.76 | 2760.17 | 2760.17 | 4.66E+09 | 1.000289 | 1.002589 | 1.003606 | 1.008171 | 1.008171 | 1.308307 |
| ######## | 2790.5 | 2800.18 | 2773.38 | 2790.37 | 2790.37 | 4.19E+09 | 1.019264 | 1.014235 | 1.014864 | 1.010941 | 1.010941 | 0.89857 |
| ######## | 2782.43 | 2785.93 | 2697.18 | 2700.06 | 2700.06 | 4.5E+09 | 0.997108 | 0.994911 | 0.972525 | 0.967635 | 0.967635 | 1.074958 |
| ######## | 2663.51 | 2696.15 | 2621.53 | 2695.95 | 2695.95 | 5.14E+09 | 0.95726 | 0.967774 | 0.971952 | 0.998478 | 0.998478 | 1.14259 |
| ######## | 2691.26 | 2708.54 | 2623.14 | 2633.08 | 2633.08 | 4.22E+09 | 1.010419 | 1.004595 | 1.000614 | 0.97668 | 0.97668 | 0.820133 |
| ######## | 2630.86 | 2647.51 | 2583.23 | 2637.72 | 2637.72 | 4.15E+09 | 0.977557 | 0.977468 | 0.984785 | 1.001762 | 1.001762 | 0.984429 |
| ######## | 2664.44 | 2674.35 | 2621.3 | 2636.78 | 2636.78 | 3.91E+09 | 1.012764 | 1.010138 | 1.014737 | 0.999644 | 0.999644 | 0.94094 |
| ######## | 2658.23 | 2685.44 | 2650.26 | 2651.07 | 2651.07 | 3.96E+09 | 0.997669 | 1.004147 | 1.011048 | 1.00542 | 1.00542 | 1.013574 |
| ######## | 2658.7 | 2670.19 | 2637.27 | 2650.54 | 2650.54 | 3.93E+09 | 1.000177 | 0.994321 | 0.995099 | 0.9998 | 0.9998 | 0.992127 |
| ######## | 2629.68 | 2635.07 | 2593.84 | 2599.95 | 2599.95 | 4.04E+09 | 0.989085 | 0.986847 | 0.983532 | 0.980913 | 0.980913 | 1.027319 |
| ######## | 2590.75 | 2601.13 | 2530.54 | 2545.94 | 2545.94 | 4.62E+09 | 0.985196 | 0.98712 | 0.975596 | 0.979227 | 0.979227 | 1.144071 |
| ######## | 2559.9 | 2573.99 | 2528.71 | 2546.16 | 2546.16 | 4.47E+09 | 0.988092 | 0.989566 | 0.999277 | 1.000086 | 1.000086 | 0.968488 |
| ######## | 2547.05 | 2585.29 | 2488.96 | 2506.96 | 2506.96 | 5.13E+09 | 0.99498 | 1.00439 | 0.984281 | 0.984604 | 0.984604 | 1.146964 |
| ######## | 2496.77 | 2509.63 | 2441.18 | 2467.42 | 2467.42 | 5.59E+09 | 0.98026 | 0.970734 | 0.980803 | 0.984228 | 0.984228 | 1.089283 |
| ######## | 2465.38 | 2504.41 | 2408.55 | 2416.62 | 2416.62 | 7.61E+09 | 0.987428 | 0.99792 | 0.986634 | 0.979412 | 0.979412 | 1.362211 |
| ######## | 2400.56 | 2410.34 | 2351.1 | 2351.1 | 2351.1 | 2.61E+09 | 0.973708 | 0.962438 | 0.976147 | 0.972888 | 0.972888 | 0.343531 |
| ######## | 2363.12 | 2467.76 | 2346.58 | 2467.7 | 2467.7 | 4.23E+09 | 0.984404 | 1.023822 | 0.998077 | 1.049594 | 1.049594 | 1.619779 |
| ######## | 2442.5 | 2489.1 | 2397.94 | 2488.83 | 2488.83 | 4.1E+09 | 1.033591 | 1.008648 | 1.021887 | 1.008563 | 1.008563 | 0.967553 |
| ######## | 2498.77 | 2520.27 | 2472.89 | 2485.74 | 2485.74 | 3.7E+09 | 1.023038 | 1.012523 | 1.031256 | 0.998758 | 0.998758 | 0.903825 |
| ######## | 2498.94 | 2509.24 | 2482.82 | 2506.85 | 2506.85 | 3.44E+09 | 1.000068 | 0.995623 | 1.004016 | 1.008492 | 1.008492 | 0.929847 |
| 1/2/2019 | 2476.96 | 2519.49 | 2467.47 | 2510.03 | 2510.03 | 3.73E+09 | 0.991204 | 1.004085 | 0.993817 | 1.001268 | 1.001268 | 1.084316 |
| 1/3/2019 | 2491.92 | 2493.14 | 2443.96 | 2447.89 | 2447.89 | 3.82E+09 | 1.00604 | 0.989541 | 0.990472 | 0.975243 | 0.975243 | 1.024028 |
| 1/4/2019 | 2474.33 | 2538.07 | 2474.33 | 2531.94 | 2531.94 | 4.21E+09 | 0.992941 | 1.018022 | 1.012427 | 1.034336 | 1.034336 | 1.102162 |
| 1/7/2019 | 2535.61 | 2566.16 | 2524.56 | 2549.69 | 2549.69 | 4.1E+09 | 1.024766 | 1.011067 | 1.0203 | 1.00701 | 1.00701 | 0.974201 |
| 1/8/2019 | 2568.11 | 2579.82 | 2547.56 | 2574.41 | 2574.41 | 4.08E+09 | 1.012817 | 1.005323 | 1.00911 | 1.009695 | 1.009695 | 0.994718 |
| 1/9/2019 | 2580 | 2595.32 | 2568.89 | 2584.96 | 2584.96 | 4.05E+09 | 1.00463 | 1.006008 | 1.008373 | 1.004098 | 1.004098 | 0.992518 |
| ######## | 2573.51 | 2597.82 | 2562.02 | 2596.64 | 2596.64 | 3.7E+09 | 0.997485 | 1.000963 | 0.997326 | 1.004518 | 1.004518 | 0.914132 |
| ######## | 2588.11 | 2596.27 | 2577.4 | 2596.26 | 2596.26 | 3.43E+09 | 1.005673 | 0.999403 | 1.006003 | 0.999854 | 0.999854 | 0.927113 |
| ######## | 2580.31 | 2589.32 | 2570.41 | 2582.61 | 2582.61 | 3.66E+09 | 0.996986 | 0.997323 | 0.997288 | 0.994742 | 0.994742 | 1.066956 |
| ######## | 2585.1 | 2613.08 | 2585.1 | 2610.3 | 2610.3 | 3.57E+09 | 1.001856 | 1.009176 | 1.005715 | 1.010722 | 1.010722 | 0.974861 |
| ######## | 2614.75 | 2625.76 | 2612.68 | 2616.1 | 2616.1 | 3.86E+09 | 1.01147 | 1.004852 | 1.010669 | 1.002222 | 1.002222 | 1.081583 |
| ######## | 2609.28 | 2645.06 | 2606.36 | 2635.96 | 2635.96 | 3.77E+09 | 0.997908 | 1.00735 | 0.997581 | 1.007591 | 1.007591 | 0.976318 |
| ######## | 2651.27 | 2675.47 | 2647.58 | 2670.71 | 2670.71 | 3.99E+09 | 1.016093 | 1.011497 | 1.015815 | 1.013183 | 1.013183 | 1.056852 |
| ######## | 2657.88 | 2657.88 | 2617.27 | 2632.9 | 2632.9 | 3.91E+09 | 1.002493 | 0.993425 | 0.988552 | 0.985843 | 0.985843 | 0.98026 |
| ######## | 2643.48 | 2653.19 | 2612.86 | 2638.7 | 2638.7 | 3.34E+09 | 0.994582 | 0.998235 | 0.998315 | 1.002203 | 1.002203 | 0.853527 |
| ######## | 2638.84 | 2647.2 | 2627.01 | 2642.33 | 2642.33 | 3.43E+09 | 0.998245 | 0.997742 | 1.005415 | 1.001376 | 1.001376 | 1.029272 |
| ######## | 2657.44 | 2672.38 | 2657.33 | 2664.76 | 2664.76 | 3.81E+09 | 1.007048 | 1.009512 | 1.011542 | 1.008489 | 1.008489 | 1.110924 |
| ######## | 2644.97 | 2644.97 | 2624.06 | 2643.85 | 2643.85 | 3.61E+09 | 0.995308 | 0.989743 | 0.98748 | 0.992153 | 0.992153 | 0.94723 |
| ######## | 2644.89 | 2650.93 | 2631.05 | 2640 | 2640 | 3.5E+09 | 0.99997 | 1.002253 | 1.002664 | 0.998544 | 0.998544 | 0.969938 |
| ######## | 2653.62 | 2690.44 | 2648.34 | 2681.05 | 2681.05 | 3.87E+09 | 1.003301 | 1.014904 | 1.006572 | 1.015549 | 1.015549 | 1.103764 |
| ######## | 2685.49 | 2708.95 | 2678.65 | 2704.1 | 2704.1 | 4.92E+09 | 1.01201 | 1.00688 | 1.011445 | 1.008597 | 1.008597 | 1.27143 |
| 2/1/2019 | 2702.32 | 2716.66 | 2696.88 | 2706.53 | 2706.53 | 3.76E+09 | 1.006267 | 1.002846 | 1.006806 | 1.000899 | 1.000899 | 0.764444 |
| 2/4/2019 | 2706.49 | 2724.99 | 2698.75 | 2724.87 | 2724.87 | 3.36E+09 | 1.001543 | 1.003066 | 1.000693 | 1.006776 | 1.006776 | 0.893748 |
| 2/5/2019 | 2728.34 | 2738.98 | 2724.03 | 2737.7 | 2737.7 | 3.56E+09 | 1.008073 | 1.005134 | 1.009367 | 1.004708 | 1.004708 | 1.059702 |
| 2/6/2019 | 2735.05 | 2738.08 | 2724.15 | 2731.61 | 2731.61 | 3.47E+09 | 1.002459 | 0.999671 | 1.000044 | 0.997776 | 0.997776 | 0.975357 |
| 2/7/2019 | 2717.53 | 2719.32 | 2687.26 | 2706.05 | 2706.05 | 4.1E+09 | 0.993594 | 0.993148 | 0.986458 | 0.990643 | 0.990643 | 1.180494 |
| 2/8/2019 | 2692.36 | 2708.07 | 2681.83 | 2707.88 | 2707.88 | 3.62E+09 | 0.990738 | 0.995863 | 0.997979 | 1.000676 | 1.000676 | 0.883605 |
| ######## | 2712.4 | 2718.05 | 2703.79 | 2709.8 | 2709.8 | 3.36E+09 | 1.007443 | 1.003685 | 1.008188 | 1.000709 | 1.000709 | 0.928124 |
| ######## | 2722.61 | 2748.19 | 2722.61 | 2744.73 | 2744.73 | 3.83E+09 | 1.003764 | 1.011089 | 1.006961 | 1.01289 | 1.01289 | 1.13855 |
| ######## | 2750.3 | 2761.85 | 2748.63 | 2753.03 | 2753.03 | 3.67E+09 | 1.01017 | 1.004971 | 1.009557 | 1.003024 | 1.003024 | 0.958984 |
| ######## | 2743.5 | 2757.9 | 2731.23 | 2745.73 | 2745.73 | 3.84E+09 | 0.997528 | 0.99857 | 0.99367 | 0.997348 | 0.997348 | 1.045203 |
| ######## | 2760.24 | 2775.66 | 2760.24 | 2775.6 | 2775.6 | 3.64E+09 | 1.006102 | 1.00644 | 1.010622 | 1.010879 | 1.010879 | 0.949089 |
| ######## | 2769.28 | 2787.33 | 2767.29 | 2779.76 | 2779.76 | 3.53E+09 | 1.003275 | 1.004204 | 1.002554 | 1.001499 | 1.001499 | 0.970434 |
| ######## | 2779.05 | 2789.88 | 2774.06 | 2784.7 | 2784.7 | 3.84E+09 | 1.003528 | 1.000915 | 1.002446 | 1.001777 | 1.001777 | 1.085389 |
| ######## | 2780.24 | 2781.58 | 2764.55 | 2774.88 | 2774.88 | 3.56E+09 | 1.000428 | 0.997025 | 0.996572 | 0.996474 | 0.996474 | 0.928108 |
| ######## | 2780.67 | 2794.2 | 2779.11 | 2792.67 | 2792.67 | 3.43E+09 | 1.000155 | 1.004537 | 1.005267 | 1.006411 | 1.006411 | 0.962946 |
| ######## | 2804.35 | 2813.49 | 2794.99 | 2796.11 | 2796.11 | 3.8E+09 | 1.008516 | 1.006904 | 1.005714 | 1.001232 | 1.001232 | 1.109857 |
| ######## | 2792.36 | 2803.12 | 2789.47 | 2793.9 | 2793.9 | 3.65E+09 | 0.995725 | 0.996314 | 0.998025 | 0.99921 | 0.99921 | 0.958285 |
| ######## | 2787.5 | 2795.76 | 2775.13 | 2792.38 | 2792.38 | 3.77E+09 | 0.998259 | 0.997374 | 0.994859 | 0.999456 | 0.999456 | 1.033313 |
| ######## | 2788.11 | 2793.73 | 2782.51 | 2784.49 | 2784.49 | 4.4E+09 | 1.000219 | 0.999274 | 1.002659 | 0.997174 | 0.997174 | 1.167183 |
| 3/1/2019 | 2798.22 | 2808.02 | 2787.38 | 2803.69 | 2803.69 | 3.97E+09 | 1.003626 | 1.005115 | 1.00175 | 1.006895 | 1.006895 | 0.903421 |
| 3/4/2019 | 2814.37 | 2816.88 | 2767.66 | 2792.81 | 2792.81 | 3.92E+09 | 1.005772 | 1.003155 | 0.992925 | 0.996119 | 0.996119 | 0.986791 |
| 3/5/2019 | 2794.41 | 2796.44 | 2782.97 | 2789.65 | 2789.65 | 3.59E+09 | 0.992908 | 0.992744 | 1.005532 | 0.998868 | 0.998868 | 0.914761 |
| 3/6/2019 | 2790.27 | 2790.27 | 2768.69 | 2771.45 | 2771.45 | 3.79E+09 | 0.998519 | 0.997794 | 0.994869 | 0.993476 | 0.993476 | 1.056031 |
| 3/7/2019 | 2766.53 | 2767.25 | 2739.09 | 2748.93 | 2748.93 | 3.9E+09 | 0.991492 | 0.99175 | 0.989309 | 0.991874 | 0.991874 | 1.031231 |
| 3/8/2019 | 2730.79 | 2744.13 | 2722.27 | 2743.07 | 2743.07 | 3.42E+09 | 0.987081 | 0.991645 | 0.993859 | 0.997868 | 0.997868 | 0.876633 |
| ######## | 2747.61 | 2784 | 2747.61 | 2783.3 | 2783.3 | 3.75E+09 | 1.006159 | 1.014529 | 1.009308 | 1.014666 | 1.014666 | 1.095205 |
| ######## | 2787.34 | 2798.32 | 2786.73 | 2791.52 | 2791.52 | 3.41E+09 | 1.01446 | 1.005144 | 1.014238 | 1.002953 | 1.002953 | 0.910697 |
| ######## | 2799.78 | 2821.24 | 2799.78 | 2810.92 | 2810.92 | 3.77E+09 | 1.004463 | 1.008191 | 1.004683 | 1.00695 | 1.00695 | 1.103074 |
| ######## | 2810.38 | 2815 | 2803.46 | 2808.48 | 2808.48 | 3.47E+09 | 1.003786 | 0.997788 | 1.001314 | 0.999132 | 0.999132 | 0.921294 |
| ######## | 2810.79 | 2830.73 | 2810.79 | 2822.48 | 2822.48 | 5.96E+09 | 1.000146 | 1.005588 | 1.002615 | 1.004985 | 1.004985 | 1.7185 |
| ######## | 2822.61 | 2835.41 | 2821.99 | 2832.94 | 2832.94 | 3.55E+09 | 1.004205 | 1.001653 | 1.003985 | 1.003706 | 1.003706 | 0.595732 |
| ######## | 2840.76 | 2852.42 | 2823.27 | 2832.57 | 2832.57 | 3.62E+09 | 1.00643 | 1.005999 | 1.000454 | 0.999869 | 0.999869 | 1.019152 |
| ######## | 2831.34 | 2843.54 | 2812.43 | 2824.23 | 2824.23 | 3.77E+09 | 0.996684 | 0.996887 | 0.99616 | 0.997056 | 0.997056 | 1.041705 |
| ######## | 2819.72 | 2860.31 | 2817.38 | 2854.88 | 2854.88 | 3.55E+09 | 0.995896 | 1.005898 | 1.00176 | 1.010852 | 1.010852 | 0.940496 |
| ######## | 2844.52 | 2846.16 | 2800.47 | 2800.71 | 2800.71 | 4.24E+09 | 1.008795 | 0.995053 | 0.993998 | 0.981025 | 0.981025 | 1.194654 |
| ######## | 2796.01 | 2809.79 | 2785.02 | 2798.36 | 2798.36 | 3.38E+09 | 0.982946 | 0.987221 | 0.994483 | 0.999161 | 0.999161 | 0.796889 |
| ######## | 2812.66 | 2829.87 | 2803.99 | 2818.46 | 2818.46 | 3.27E+09 | 1.005955 | 1.007146 | 1.006811 | 1.007183 | 1.007183 | 0.967266 |
| ######## | 2819.72 | 2825.56 | 2787.72 | 2805.37 | 2805.37 | 3.37E+09 | 1.00251 | 0.998477 | 0.994198 | 0.995356 | 0.995356 | 1.032725 |
| ######## | 2809.4 | 2819.71 | 2798.77 | 2815.44 | 2815.44 | 3.16E+09 | 0.99634 | 0.99793 | 1.003964 | 1.003589 | 1.003589 | 0.936328 |
| ######## | 2828.27 | 2836.03 | 2819.23 | 2834.4 | 2834.4 | 3.74E+09 | 1.006717 | 1.005788 | 1.00731 | 1.006734 | 1.006734 | 1.184452 |
| 4/1/2019 | 2848.63 | 2869.4 | 2848.63 | 2867.19 | 2867.19 | 3.5E+09 | 1.007199 | 1.011766 | 1.010428 | 1.011569 | 1.011569 | 0.935857 |
| 4/2/2019 | 2868.24 | 2872.9 | 2858.75 | 2867.24 | 2867.24 | 3.25E+09 | 1.006884 | 1.00122 | 1.003553 | 1.000017 | 1.000017 | 0.927484 |
| 4/3/2019 | 2876.09 | 2885.25 | 2865.17 | 2873.4 | 2873.4 | 3.55E+09 | 1.002737 | 1.004299 | 1.002246 | 1.002148 | 1.002148 | 1.093424 |
| 4/4/2019 | 2873.99 | 2881.28 | 2867.14 | 2879.39 | 2879.39 | 3.02E+09 | 0.99927 | 0.998624 | 1.000688 | 1.002085 | 1.002085 | 0.849289 |
| 4/5/2019 | 2884.16 | 2893.24 | 2882.99 | 2892.74 | 2892.74 | 3.15E+09 | 1.003539 | 1.004151 | 1.005528 | 1.004636 | 1.004636 | 1.043659 |
| 4/8/2019 | 2888.46 | 2895.95 | 2880.78 | 2895.77 | 2895.77 | 3.05E+09 | 1.001491 | 1.000937 | 0.999233 | 1.001047 | 1.001047 | 0.970513 |
| 4/9/2019 | 2886.58 | 2886.88 | 2873.33 | 2878.2 | 2878.2 | 3.01E+09 | 0.999349 | 0.996868 | 0.997414 | 0.993933 | 0.993933 | 0.984922 |
| ######## | 2881.37 | 2889.71 | 2879.13 | 2888.21 | 2888.21 | 3.06E+09 | 0.998195 | 1.00098 | 1.002018 | 1.003478 | 1.003478 | 1.018085 |
| ######## | 2891.92 | 2893.42 | 2881.99 | 2888.32 | 2888.32 | 2.94E+09 | 1.003661 | 1.001284 | 1.000993 | 1.000038 | 1.000038 | 0.959561 |
| ######## | 2900.86 | 2910.54 | 2898.37 | 2907.41 | 2907.41 | 3.69E+09 | 1.003091 | 1.005917 | 1.005684 | 1.006609 | 1.006609 | 1.255212 |
| ######## | 2908.32 | 2909.6 | 2896.48 | 2905.58 | 2905.58 | 3.09E+09 | 1.002572 | 0.999677 | 0.999348 | 0.999371 | 0.999371 | 0.837288 |
| ######## | 2912.26 | 2916.06 | 2900.71 | 2907.06 | 2907.06 | 3.4E+09 | 1.001355 | 1.00222 | 1.00146 | 1.000509 | 1.000509 | 1.101634 |
| ######## | 2916.04 | 2918 | 2895.45 | 2900.45 | 2900.45 | 3.6E+09 | 1.001298 | 1.000665 | 0.998187 | 0.997726 | 0.997726 | 1.058812 |
| ######## | 2904.81 | 2908.4 | 2891.9 | 2905.03 | 2905.03 | 3.51E+09 | 0.996149 | 0.99671 | 0.998774 | 1.001579 | 1.001579 | 0.973503 |
| ######## | 2898.78 | 2909.51 | 2896.35 | 2907.97 | 2907.97 | 3E+09 | 0.997924 | 1.000382 | 1.001539 | 1.001012 | 1.001012 | 0.854884 |
| ######## | 2909.99 | 2936.31 | 2908.53 | 2933.68 | 2933.68 | 3.64E+09 | 1.003867 | 1.009211 | 1.004205 | 1.008841 | 1.008841 | 1.212505 |
| ######## | 2934 | 2936.83 | 2926.05 | 2927.25 | 2927.25 | 3.45E+09 | 1.008251 | 1.000177 | 1.006024 | 0.997808 | 0.997808 | 0.948812 |
| ######## | 2928.99 | 2933.1 | 2912.84 | 2926.17 | 2926.17 | 3.43E+09 | 0.998292 | 0.99873 | 0.995485 | 0.999631 | 0.999631 | 0.993134 |
| ######## | 2925.81 | 2939.88 | 2917.56 | 2939.88 | 2939.88 | 3.25E+09 | 0.998914 | 1.002311 | 1.00162 | 1.004685 | 1.004685 | 0.94839 |
| ######## | 2940.58 | 2949.52 | 2939.35 | 2943.03 | 2943.03 | 3.12E+09 | 1.005048 | 1.003279 | 1.007469 | 1.001072 | 1.001072 | 0.960068 |
| ######## | 2937.14 | 2948.22 | 2924.11 | 2945.83 | 2945.83 | 3.92E+09 | 0.99883 | 0.999559 | 0.994815 | 1.000951 | 1.000951 | 1.256687 |
| 5/1/2019 | 2952.33 | 2954.13 | 2923.36 | 2923.73 | 2923.73 | 3.65E+09 | 1.005172 | 1.002005 | 0.999744 | 0.992498 | 0.992498 | 0.930223 |
| 5/2/2019 | 2922.16 | 2931.68 | 2900.5 | 2917.52 | 2917.52 | 3.78E+09 | 0.989781 | 0.9924 | 0.99218 | 0.997876 | 0.997876 | 1.036491 |
| 5/3/2019 | 2929.21 | 2947.85 | 2929.21 | 2945.64 | 2945.64 | 3.34E+09 | 1.002413 | 1.005516 | 1.009898 | 1.009638 | 1.009638 | 0.88336 |
| 5/6/2019 | 2908.89 | 2937.32 | 2898.21 | 2932.47 | 2932.47 | 3.18E+09 | 0.993063 | 0.996428 | 0.989417 | 0.995529 | 0.995529 | 0.953087 |
| 5/7/2019 | 2913.03 | 2913.03 | 2862.6 | 2884.05 | 2884.05 | 3.77E+09 | 1.001423 | 0.991731 | 0.987713 | 0.983488 | 0.983488 | 1.184057 |
| 5/8/2019 | 2879.61 | 2897.96 | 2873.28 | 2879.42 | 2879.42 | 3.49E+09 | 0.988527 | 0.994827 | 1.003731 | 0.998395 | 0.998395 | 0.925325 |
| 5/9/2019 | 2859.84 | 2875.97 | 2836.4 | 2870.72 | 2870.72 | 3.64E+09 | 0.993134 | 0.992412 | 0.987164 | 0.996979 | 0.996979 | 1.043901 |
| ######## | 2863.1 | 2891.31 | 2825.39 | 2881.4 | 2881.4 | 3.53E+09 | 1.00114 | 1.005334 | 0.996118 | 1.00372 | 1.00372 | 0.969985 |
| ######## | 2840.19 | 2840.19 | 2801.43 | 2811.87 | 2811.87 | 3.89E+09 | 0.991998 | 0.982319 | 0.99152 | 0.975869 | 0.975869 | 1.10325 |
| ######## | 2820.12 | 2852.54 | 2820.12 | 2834.41 | 2834.41 | 3.32E+09 | 0.992934 | 1.004348 | 1.006672 | 1.008016 | 1.008016 | 0.853286 |
| ######## | 2820.38 | 2858.68 | 2815.08 | 2850.96 | 2850.96 | 3.13E+09 | 1.000092 | 1.002152 | 0.998213 | 1.005839 | 1.005839 | 0.94078 |
| ######## | 2855.8 | 2892.15 | 2855.8 | 2876.32 | 2876.32 | 3.34E+09 | 1.012559 | 1.011708 | 1.014465 | 1.008895 | 1.008895 | 1.067855 |
| ######## | 2858.6 | 2885.48 | 2854.23 | 2859.53 | 2859.53 | 3.26E+09 | 1.00098 | 0.997694 | 0.99945 | 0.994163 | 0.994163 | 0.976001 |
| ######## | 2841.94 | 2853.86 | 2831.29 | 2840.23 | 2840.23 | 3.29E+09 | 0.994172 | 0.989042 | 0.991963 | 0.993251 | 0.993251 | 1.009491 |
| ######## | 2854.02 | 2868.88 | 2854.02 | 2864.36 | 2864.36 | 3.22E+09 | 1.004251 | 1.005263 | 1.008028 | 1.008496 | 1.008496 | 0.978664 |
| ######## | 2856.06 | 2865.47 | 2851.11 | 2856.27 | 2856.27 | 3.19E+09 | 1.000715 | 0.998811 | 0.99898 | 0.997176 | 0.997176 | 0.991863 |
| ######## | 2836.7 | 2836.7 | 2805.49 | 2822.24 | 2822.24 | 3.89E+09 | 0.993221 | 0.98996 | 0.983999 | 0.988086 | 0.988086 | 1.219097 |
| ######## | 2832.41 | 2841.36 | 2820.19 | 2826.06 | 2826.06 | 2.89E+09 | 0.998488 | 1.001643 | 1.00524 | 1.001354 | 1.001354 | 0.741882 |
| ######## | 2830.03 | 2840.51 | 2801.58 | 2802.39 | 2802.39 | 4.12E+09 | 0.99916 | 0.999701 | 0.993401 | 0.991624 | 0.991624 | 1.427383 |
| ######## | 2790.25 | 2792.03 | 2766.06 | 2783.02 | 2783.02 | 3.7E+09 | 0.985944 | 0.982933 | 0.987321 | 0.993088 | 0.993088 | 0.897763 |
| ######## | 2786.94 | 2799 | 2776.74 | 2788.86 | 2788.86 | 3.27E+09 | 0.998814 | 1.002496 | 1.003861 | 1.002098 | 1.002098 | 0.884796 |
| ######## | 2766.15 | 2768.98 | 2750.52 | 2752.06 | 2752.06 | 3.98E+09 | 0.99254 | 0.989275 | 0.990557 | 0.986805 | 0.986805 | 1.216028 |
| 6/3/2019 | 2751.53 | 2763.07 | 2728.81 | 2744.45 | 2744.45 | 3.97E+09 | 0.994715 | 0.997866 | 0.992107 | 0.997235 | 0.997235 | 0.996403 |
| 6/4/2019 | 2762.64 | 2804.49 | 2762.64 | 2803.27 | 2803.27 | 3.81E+09 | 1.004038 | 1.014991 | 1.012397 | 1.021432 | 1.021432 | 0.960605 |
| 6/5/2019 | 2818.09 | 2827.28 | 2800.92 | 2826.15 | 2826.15 | 3.55E+09 | 1.020071 | 1.008126 | 1.013856 | 1.008162 | 1.008162 | 0.931346 |
| 6/6/2019 | 2828.51 | 2852.1 | 2822.45 | 2843.49 | 2843.49 | 3.4E+09 | 1.003698 | 1.008779 | 1.007687 | 1.006136 | 1.006136 | 0.957051 |
| 6/7/2019 | 2852.87 | 2884.97 | 2852.87 | 2873.34 | 2873.34 | 3.22E+09 | 1.008612 | 1.011525 | 1.010778 | 1.010498 | 1.010498 | 0.948133 |
| ######## | 2885.83 | 2904.77 | 2885.51 | 2886.73 | 2886.73 | 3.21E+09 | 1.011553 | 1.006863 | 1.011441 | 1.00466 | 1.00466 | 0.996572 |
| ######## | 2903.27 | 2910.61 | 2878.53 | 2885.72 | 2885.72 | 3.55E+09 | 1.006043 | 1.002011 | 0.997581 | 0.99965 | 0.99965 | 1.105699 |
| ######## | 2882.73 | 2888.57 | 2874.68 | 2879.84 | 2879.84 | 3.03E+09 | 0.992925 | 0.992428 | 0.998662 | 0.997962 | 0.997962 | 0.855065 |
| ######## | 2886.24 | 2895.24 | 2881.99 | 2891.64 | 2891.64 | 3.07E+09 | 1.001218 | 1.002309 | 1.002543 | 1.004097 | 1.004097 | 1.01176 |
| ######## | 2886.82 | 2894.45 | 2879.62 | 2886.98 | 2886.98 | 2.92E+09 | 1.000201 | 0.999727 | 0.999178 | 0.998388 | 0.998388 | 0.951958 |
| ######## | 2889.75 | 2897.27 | 2887.3 | 2889.67 | 2889.67 | 2.81E+09 | 1.001015 | 1.000974 | 1.002667 | 1.000932 | 1.000932 | 0.961609 |
| ######## | 2906.71 | 2930.79 | 2905.44 | 2917.75 | 2917.75 | 3.44E+09 | 1.005869 | 1.01157 | 1.006283 | 1.009717 | 1.009717 | 1.223291 |
| ######## | 2920.55 | 2931.74 | 2911.43 | 2926.46 | 2926.46 | 3.29E+09 | 1.004761 | 1.000324 | 1.002062 | 1.002985 | 1.002985 | 0.956444 |
| ######## | 2949.6 | 2958.06 | 2931.5 | 2954.18 | 2954.18 | 3.91E+09 | 1.009947 | 1.008978 | 1.006894 | 1.009472 | 1.009472 | 1.187978 |
| ######## | 2952.71 | 2964.15 | 2946.87 | 2950.46 | 2950.46 | 5E+09 | 1.001054 | 1.002059 | 1.005243 | 0.998741 | 0.998741 | 1.280132 |
| ######## | 2951.42 | 2954.92 | 2944.05 | 2945.35 | 2945.35 | 3.14E+09 | 0.999563 | 0.996886 | 0.999043 | 0.998268 | 0.998268 | 0.627235 |
| ######## | 2945.78 | 2946.52 | 2916.01 | 2917.38 | 2917.38 | 3.58E+09 | 0.998089 | 0.997157 | 0.990476 | 0.990504 | 0.990504 | 1.140869 |
| ######## | 2926.07 | 2932.59 | 2912.99 | 2913.78 | 2913.78 | 3.48E+09 | 0.993309 | 0.995272 | 0.998964 | 0.998766 | 0.998766 | 0.972074 |
| ######## | 2919.66 | 2929.3 | 2918.57 | 2924.92 | 2924.92 | 3.12E+09 | 0.997809 | 0.998878 | 1.001916 | 1.003823 | 1.003823 | 0.897873 |
| ######## | 2932.94 | 2943.98 | 2929.05 | 2941.76 | 2941.76 | 5.42E+09 | 1.004548 | 1.005011 | 1.003591 | 1.005757 | 1.005757 | 1.735779 |
| 7/1/2019 | 2971.41 | 2977.93 | 2952.22 | 2964.33 | 2964.33 | 3.51E+09 | 1.013117 | 1.011532 | 1.00791 | 1.007672 | 1.007672 | 0.648121 |
| 7/2/2019 | 2964.66 | 2973.21 | 2955.92 | 2973.01 | 2973.01 | 3.21E+09 | 0.997728 | 0.998415 | 1.001253 | 1.002928 | 1.002928 | 0.912779 |
| 7/3/2019 | 2978.08 | 2995.84 | 2977.96 | 2995.82 | 2995.82 | 1.96E+09 | 1.004527 | 1.007611 | 1.007456 | 1.007672 | 1.007672 | 0.612354 |
| 7/5/2019 | 2984.25 | 2994.03 | 2967.97 | 2990.41 | 2990.41 | 2.43E+09 | 1.002072 | 0.999396 | 0.996645 | 0.998194 | 0.998194 | 1.239591 |
| 7/8/2019 | 2979.77 | 2980.76 | 2970.09 | 2975.95 | 2975.95 | 2.9E+09 | 0.998499 | 0.995568 | 1.000714 | 0.995165 | 0.995165 | 1.193221 |
| 7/9/2019 | 2965.52 | 2981.9 | 2963.44 | 2979.63 | 2979.63 | 3.03E+09 | 0.995218 | 1.000382 | 0.997761 | 1.001237 | 1.001237 | 1.042575 |
| ######## | 2989.3 | 3002.98 | 2984.62 | 2993.07 | 2993.07 | 3.15E+09 | 1.008019 | 1.007069 | 1.007147 | 1.004511 | 1.004511 | 1.041619 |
| ######## | 2999.62 | 3002.33 | 2988.8 | 2999.91 | 2999.91 | 3.15E+09 | 1.003452 | 0.999784 | 1.0014 | 1.002285 | 1.002285 | 1.00012 |
| ######## | 3003.36 | 3013.92 | 3001.87 | 3013.77 | 3013.77 | 2.97E+09 | 1.001247 | 1.00386 | 1.004373 | 1.00462 | 1.00462 | 0.943049 |
| ######## | 3017.8 | 3017.8 | 3008.77 | 3014.3 | 3014.3 | 2.87E+09 | 1.004808 | 1.001287 | 1.002299 | 1.000176 | 1.000176 | 0.966389 |
| ######## | 3012.13 | 3015.02 | 3001.15 | 3004.04 | 3004.04 | 3.29E+09 | 0.998121 | 0.999079 | 0.997467 | 0.996596 | 0.996596 | 1.144586 |
| ######## | 3005.1 | 3005.26 | 2984.25 | 2984.42 | 2984.42 | 3.18E+09 | 0.997666 | 0.996763 | 0.994369 | 0.993469 | 0.993469 | 0.966861 |
| ######## | 2978.87 | 2998.28 | 2973.09 | 2995.11 | 2995.11 | 3.3E+09 | 0.991272 | 0.997677 | 0.99626 | 1.003582 | 1.003582 | 1.036139 |
| ######## | 3004.26 | 3006.02 | 2975.86 | 2976.61 | 2976.61 | 3.26E+09 | 1.008523 | 1.002581 | 1.000932 | 0.993823 | 0.993823 | 0.989013 |
| ######## | 2981.93 | 2990.71 | 2976.65 | 2985.03 | 2985.03 | 3E+09 | 0.992567 | 0.994907 | 1.000265 | 1.002829 | 1.002829 | 0.921285 |
| ######## | 2994.74 | 3005.9 | 2988.56 | 3005.47 | 3005.47 | 3.31E+09 | 1.004296 | 1.005079 | 1.004001 | 1.006847 | 1.006847 | 1.103185 |
| ######## | 2998.77 | 3019.59 | 2996.82 | 3019.56 | 3019.56 | 3.43E+09 | 1.001346 | 1.004554 | 1.002764 | 1.004688 | 1.004688 | 1.034801 |
| ######## | 3016.26 | 3016.31 | 2997.24 | 3003.67 | 3003.67 | 3.65E+09 | 1.005832 | 0.998914 | 1.00014 | 0.994738 | 0.994738 | 1.063077 |
| ######## | 3013.25 | 3027.98 | 3012.59 | 3025.86 | 3025.86 | 3.26E+09 | 0.999002 | 1.003869 | 1.005121 | 1.007388 | 1.007388 | 0.893648 |
| ######## | 3024.47 | 3025.61 | 3014.3 | 3020.97 | 3020.97 | 3.2E+09 | 1.003724 | 0.999217 | 1.000568 | 0.998384 | 0.998384 | 0.98346 |
| ######## | 3007.66 | 3017.19 | 3000.94 | 3013.18 | 3013.18 | 3.63E+09 | 0.994442 | 0.997217 | 0.995568 | 0.997421 | 0.997421 | 1.134413 |
| ######## | 3016.22 | 3017.4 | 2958.08 | 2980.38 | 2980.38 | 4.62E+09 | 1.002846 | 1.00007 | 0.985718 | 0.989114 | 0.989114 | 1.272155 |
| 8/1/2019 | 2980.32 | 3013.59 | 2945.23 | 2953.56 | 2953.56 | 4.76E+09 | 0.988098 | 0.998737 | 0.995656 | 0.991001 | 0.991001 | 1.030036 |
| 8/2/2019 | 2943.9 | 2945.5 | 2914.11 | 2932.05 | 2932.05 | 3.87E+09 | 0.98778 | 0.977406 | 0.989434 | 0.992717 | 0.992717 | 0.813611 |
| 8/5/2019 | 2898.07 | 2898.07 | 2822.12 | 2844.74 | 2844.74 | 4.51E+09 | 0.984432 | 0.983897 | 0.968433 | 0.970222 | 0.970222 | 1.164936 |
| 8/6/2019 | 2861.18 | 2884.4 | 2847.42 | 2881.77 | 2881.77 | 4.15E+09 | 0.987271 | 0.995283 | 1.008965 | 1.013017 | 1.013017 | 0.920356 |
| 8/7/2019 | 2858.65 | 2892.17 | 2825.71 | 2883.98 | 2883.98 | 4.49E+09 | 0.999116 | 1.002694 | 0.992376 | 1.000767 | 1.000767 | 1.081245 |
| 8/8/2019 | 2896.21 | 2938.72 | 2894.47 | 2938.09 | 2938.09 | 4.11E+09 | 1.013139 | 1.016095 | 1.024334 | 1.018762 | 1.018762 | 0.914203 |
| 8/9/2019 | 2930.51 | 2935.75 | 2900.15 | 2918.65 | 2918.65 | 3.35E+09 | 1.011843 | 0.998989 | 1.001962 | 0.993383 | 0.993383 | 0.815962 |
| ######## | 2907.07 | 2907.58 | 2873.14 | 2882.7 | 2882.7 | 2.85E+09 | 0.992001 | 0.990405 | 0.990687 | 0.987683 | 0.987683 | 0.85107 |
| ######## | 2880.72 | 2943.31 | 2877.05 | 2926.32 | 2926.32 | 3.85E+09 | 0.990936 | 1.012289 | 1.001361 | 1.015132 | 1.015132 | 1.351367 |
| ######## | 2894.15 | 2894.15 | 2839.64 | 2840.6 | 2840.6 | 4.31E+09 | 1.004662 | 0.983298 | 0.986997 | 0.970707 | 0.970707 | 1.119091 |
| ######## | 2846.2 | 2856.67 | 2825.51 | 2847.6 | 2847.6 | 4.04E+09 | 0.983432 | 0.98705 | 0.995024 | 1.002464 | 1.002464 | 0.936341 |
| ######## | 2864.74 | 2893.63 | 2864.74 | 2888.68 | 2888.68 | 3.5E+09 | 1.006514 | 1.012938 | 1.013884 | 1.014426 | 1.014426 | 0.866308 |
| ######## | 2913.48 | 2931 | 2913.48 | 2923.65 | 2923.65 | 3.21E+09 | 1.017014 | 1.012915 | 1.017014 | 1.012106 | 1.012106 | 0.918451 |
| ######## | 2919.01 | 2923.63 | 2899.6 | 2900.51 | 2900.51 | 3.07E+09 | 1.001898 | 0.997485 | 0.995236 | 0.992085 | 0.992085 | 0.954377 |
| ######## | 2922.04 | 2928.73 | 2917.91 | 2924.43 | 2924.43 | 3.01E+09 | 1.001038 | 1.001744 | 1.006315 | 1.008247 | 1.008247 | 0.982027 |
| ######## | 2930.94 | 2939.08 | 2904.51 | 2922.95 | 2922.95 | 2.89E+09 | 1.003046 | 1.003534 | 0.995408 | 0.999494 | 0.999494 | 0.960046 |
| ######## | 2911.07 | 2927.01 | 2834.97 | 2847.11 | 2847.11 | 3.94E+09 | 0.993221 | 0.995893 | 0.976058 | 0.974054 | 0.974054 | 1.361973 |
| ######## | 2866.7 | 2879.27 | 2856 | 2878.38 | 2878.38 | 2.86E+09 | 0.984758 | 0.98369 | 1.007418 | 1.010983 | 1.010983 | 0.725777 |
| ######## | 2893.14 | 2898.79 | 2860.59 | 2869.16 | 2869.16 | 3.53E+09 | 1.009223 | 1.00678 | 1.001607 | 0.996797 | 0.996797 | 1.236573 |
| ######## | 2861.28 | 2890.03 | 2853.05 | 2887.94 | 2887.94 | 3.1E+09 | 0.988988 | 0.996978 | 0.997364 | 1.006545 | 1.006545 | 0.876555 |
| ######## | 2910.37 | 2930.5 | 2905.67 | 2924.58 | 2924.58 | 3.18E+09 | 1.017157 | 1.014003 | 1.018443 | 1.012687 | 1.012687 | 1.025431 |
| ######## | 2937.09 | 2940.43 | 2913.32 | 2926.46 | 2926.46 | 3.01E+09 | 1.009181 | 1.003388 | 1.002633 | 1.000643 | 1.000643 | 0.947188 |
| 9/3/2019 | 2909.01 | 2914.39 | 2891.85 | 2906.27 | 2906.27 | 3.43E+09 | 0.990439 | 0.991144 | 0.99263 | 0.993101 | 0.993101 | 1.139055 |
| 9/4/2019 | 2924.67 | 2938.84 | 2921.86 | 2937.78 | 2937.78 | 3.16E+09 | 1.005383 | 1.008389 | 1.010377 | 1.010842 | 1.010842 | 0.923097 |
| 9/5/2019 | 2960.6 | 2985.86 | 2960.6 | 2976 | 2976 | 3.89E+09 | 1.012285 | 1.016 | 1.013259 | 1.01301 | 1.01301 | 1.229965 |
| 9/6/2019 | 2980.33 | 2985.03 | 2972.51 | 2978.71 | 2978.71 | 3.21E+09 | 1.006664 | 0.999722 | 1.004023 | 1.000911 | 1.000911 | 0.824602 |
| 9/9/2019 | 2988.43 | 2989.43 | 2969.39 | 2978.43 | 2978.43 | 4E+09 | 1.002718 | 1.001474 | 0.99895 | 0.999906 | 0.999906 | 1.247675 |
| ######## | 2971.01 | 2979.39 | 2957.01 | 2979.39 | 2979.39 | 4.39E+09 | 0.994171 | 0.996641 | 0.995831 | 1.000322 | 1.000322 | 1.0969 |
| ######## | 2981.41 | 3000.93 | 2975.31 | 3000.93 | 3000.93 | 3.93E+09 | 1.0035 | 1.00723 | 1.006189 | 1.00723 | 1.00723 | 0.894501 |
| ######## | 3009.08 | 3020.74 | 3000.92 | 3009.57 | 3009.57 | 3.79E+09 | 1.009281 | 1.006601 | 1.008607 | 1.002879 | 1.002879 | 0.965452 |
| ######## | 3012.21 | 3017.33 | 3002.9 | 3007.39 | 3007.39 | 3.52E+09 | 1.00104 | 0.998871 | 1.00066 | 0.999276 | 0.999276 | 0.92832 |
| ######## | 2996.41 | 3002.19 | 2990.67 | 2997.96 | 2997.96 | 4.27E+09 | 0.994755 | 0.994982 | 0.995927 | 0.996864 | 0.996864 | 1.214366 |
| ######## | 2995.67 | 3006.21 | 2993.73 | 3005.7 | 3005.7 | 3.67E+09 | 0.999753 | 1.001339 | 1.001023 | 1.002582 | 1.002582 | 0.858982 |
| ######## | 3001.5 | 3007.83 | 2978.57 | 3006.73 | 3006.73 | 3.44E+09 | 1.001946 | 1.000539 | 0.994936 | 1.000343 | 1.000343 | 0.935645 |
| ######## | 3010.36 | 3021.99 | 3003.16 | 3006.79 | 3006.79 | 3.25E+09 | 1.002952 | 1.004708 | 1.008256 | 1.00002 | 1.00002 | 0.946369 |
| ######## | 3008.42 | 3016.37 | 2984.68 | 2992.07 | 2992.07 | 6.09E+09 | 0.999355 | 0.99814 | 0.993846 | 0.995104 | 0.995104 | 1.874561 |
| ######## | 2983.5 | 2999.15 | 2982.23 | 2991.78 | 2991.78 | 3.19E+09 | 0.991717 | 0.994291 | 0.999179 | 0.999903 | 0.999903 | 0.522843 |
| ######## | 3002.43 | 3007.98 | 2957.73 | 2966.6 | 2966.6 | 3.87E+09 | 1.006345 | 1.002944 | 0.991785 | 0.991584 | 0.991584 | 1.213887 |
| ######## | 2968.35 | 2989.82 | 2952.86 | 2984.87 | 2984.87 | 3.32E+09 | 0.988649 | 0.993963 | 0.998354 | 1.006159 | 1.006159 | 0.857997 |
| ######## | 2985.73 | 2987.28 | 2963.71 | 2977.62 | 2977.62 | 3.08E+09 | 1.005855 | 0.99915 | 1.003674 | 0.997571 | 0.997571 | 0.927195 |
| ######## | 2985.47 | 2987.31 | 2945.53 | 2961.79 | 2961.79 | 3.24E+09 | 0.999913 | 1.00001 | 0.993866 | 0.994684 | 0.994684 | 1.054078 |
| ######## | 2967.07 | 2983.85 | 2967.07 | 2976.74 | 2976.74 | 3.25E+09 | 0.993837 | 0.998842 | 1.007313 | 1.005048 | 1.005048 | 1.001221 |
| ######## | 2983.69 | 2992.53 | 2938.7 | 2940.25 | 2940.25 | 3.56E+09 | 1.005601 | 1.002909 | 0.990438 | 0.987742 | 0.987742 | 1.095587 |
| ######## | 2924.78 | 2924.78 | 2874.93 | 2887.61 | 2887.61 | 3.91E+09 | 0.980256 | 0.97736 | 0.9783 | 0.982097 | 0.982097 | 1.099628 |
| ######## | 2885.38 | 2911.13 | 2855.94 | 2910.63 | 2910.63 | 3.5E+09 | 0.986529 | 0.995333 | 0.993395 | 1.007972 | 1.007972 | 0.895494 |
| ######## | 2918.56 | 2953.74 | 2918.56 | 2952.01 | 2952.01 | 2.99E+09 | 1.011499 | 1.014637 | 1.021926 | 1.014217 | 1.014217 | 0.853635 |
| ######## | 2944.23 | 2959.75 | 2935.68 | 2938.79 | 2938.79 | 2.94E+09 | 1.008795 | 1.002035 | 1.005866 | 0.995522 | 0.995522 | 0.983052 |
| ######## | 2920.4 | 2925.47 | 2892.66 | 2893.06 | 2893.06 | 3.36E+09 | 0.991906 | 0.988418 | 0.985346 | 0.984439 | 0.984439 | 1.141595 |
| ######## | 2911.1 | 2929.32 | 2907.41 | 2919.4 | 2919.4 | 2.73E+09 | 0.996816 | 1.001316 | 1.005099 | 1.009104 | 1.009104 | 0.812412 |
| ######## | 2918.55 | 2948.46 | 2917.12 | 2938.13 | 2938.13 | 3.22E+09 | 1.002559 | 1.006534 | 1.00334 | 1.006416 | 1.006416 | 1.179854 |
| ######## | 2963.07 | 2993.28 | 2963.07 | 2970.27 | 2970.27 | 3.58E+09 | 1.015254 | 1.015201 | 1.015752 | 1.010939 | 1.010939 | 1.112895 |
| ######## | 2965.81 | 2972.84 | 2962.94 | 2966.15 | 2966.15 | 2.56E+09 | 1.000925 | 0.993171 | 0.999956 | 0.998613 | 0.998613 | 0.71416 |
| ######## | 2973.61 | 3003.28 | 2973.61 | 2995.68 | 2995.68 | 3.34E+09 | 1.00263 | 1.010239 | 1.003601 | 1.009956 | 1.009956 | 1.306497 |
| ######## | 2989.68 | 2997.54 | 2985.2 | 2989.69 | 2989.69 | 3.22E+09 | 1.005404 | 0.998089 | 1.003898 | 0.998 | 0.998 | 0.964628 |
| ######## | 3000.77 | 3008.29 | 2991.79 | 2997.95 | 2997.95 | 3.12E+09 | 1.003709 | 1.003586 | 1.002208 | 1.002763 | 1.002763 | 0.966918 |
| ######## | 2996.84 | 3000 | 2976.31 | 2986.2 | 2986.2 | 3.26E+09 | 0.99869 | 0.997244 | 0.994826 | 0.996081 | 0.996081 | 1.047603 |
| ######## | 2996.48 | 3007.33 | 2995.35 | 3006.72 | 3006.72 | 3.27E+09 | 0.99988 | 1.002443 | 1.006397 | 1.006872 | 1.006872 | 1.002246 |
| ######## | 3010.73 | 3014.57 | 2995.04 | 2995.99 | 2995.99 | 3.52E+09 | 1.004756 | 1.002407 | 0.999896 | 0.996431 | 0.996431 | 1.077109 |
| ######## | 2994.01 | 3004.78 | 2991.21 | 3004.52 | 3004.52 | 3.39E+09 | 0.994447 | 0.996752 | 0.998721 | 1.002847 | 1.002847 | 0.962819 |
| ######## | 3014.78 | 3016.07 | 3000.42 | 3010.29 | 3010.29 | 3.69E+09 | 1.006937 | 1.003757 | 1.003079 | 1.00192 | 1.00192 | 1.088341 |
| ######## | 3003.32 | 3027.39 | 3001.94 | 3022.55 | 3022.55 | 3.37E+09 | 0.996199 | 1.003753 | 1.000507 | 1.004073 | 1.004073 | 0.912736 |
| ######## | 3032.12 | 3044.08 | 3032.12 | 3039.42 | 3039.42 | 3.52E+09 | 1.009589 | 1.005513 | 1.010054 | 1.005581 | 1.005581 | 1.044761 |
| ######## | 3035.39 | 3047.87 | 3034.81 | 3036.89 | 3036.89 | 3.59E+09 | 1.001078 | 1.001245 | 1.000887 | 0.999168 | 0.999168 | 1.01951 |
| ######## | 3039.74 | 3050.1 | 3025.96 | 3046.77 | 3046.77 | 3.78E+09 | 1.001433 | 1.000732 | 0.997084 | 1.003253 | 1.003253 | 1.051839 |
| ######## | 3046.9 | 3046.9 | 3023.19 | 3037.56 | 3037.56 | 4.14E+09 | 1.002355 | 0.998951 | 0.999085 | 0.996977 | 0.996977 | 1.096199 |
| ######## | 3050.72 | 3066.95 | 3050.72 | 3066.91 | 3066.91 | 3.93E+09 | 1.001254 | 1.00658 | 1.009106 | 1.009662 | 1.009662 | 0.949489 |
| ######## | 3078.96 | 3085.2 | 3074.87 | 3078.27 | 3078.27 | 4.15E+09 | 1.009257 | 1.005951 | 1.007916 | 1.003704 | 1.003704 | 1.055124 |
| ######## | 3080.8 | 3083.95 | 3072.15 | 3074.62 | 3074.62 | 4.49E+09 | 1.000598 | 0.999595 | 0.999115 | 0.998814 | 0.998814 | 1.081816 |
| ######## | 3075.1 | 3078.34 | 3065.89 | 3076.78 | 3076.78 | 4.46E+09 | 0.99815 | 0.998181 | 0.997962 | 1.000702 | 1.000702 | 0.993772 |
| ######## | 3087.02 | 3097.77 | 3080.23 | 3085.18 | 3085.18 | 4.14E+09 | 1.003876 | 1.006312 | 1.004677 | 1.00273 | 1.00273 | 0.929669 |
| ######## | 3081.25 | 3093.09 | 3073.58 | 3093.08 | 3093.08 | 3.5E+09 | 0.998131 | 0.998489 | 0.997841 | 1.002561 | 1.002561 | 0.844259 |
| ######## | 3080.33 | 3088.33 | 3075.82 | 3087.01 | 3087.01 | 3.04E+09 | 0.999701 | 0.998461 | 1.000729 | 0.998038 | 0.998038 | 0.867505 |
| ######## | 3089.28 | 3102.61 | 3084.73 | 3091.84 | 3091.84 | 3.47E+09 | 1.002906 | 1.004624 | 1.002897 | 1.001565 | 1.001565 | 1.141814 |
| ######## | 3084.18 | 3098.06 | 3078.8 | 3094.04 | 3094.04 | 3.51E+09 | 0.998349 | 0.998533 | 0.998078 | 1.000712 | 1.000712 | 1.012484 |
| ######## | 3090.75 | 3098.2 | 3083.26 | 3096.63 | 3096.63 | 3.28E+09 | 1.00213 | 1.000045 | 1.001449 | 1.000837 | 1.000837 | 0.933545 |
| ######## | 3107.92 | 3120.46 | 3104.6 | 3120.46 | 3120.46 | 3.34E+09 | 1.005555 | 1.007185 | 1.006921 | 1.007695 | 1.007695 | 1.018186 |
| ######## | 3117.91 | 3124.17 | 3112.06 | 3122.03 | 3122.03 | 3.44E+09 | 1.003214 | 1.001189 | 1.002403 | 1.000503 | 1.000503 | 1.030291 |
| ######## | 3127.45 | 3127.64 | 3113.47 | 3120.18 | 3120.18 | 3.59E+09 | 1.00306 | 1.001111 | 1.000453 | 0.999407 | 0.999407 | 1.04463 |
| ######## | 3114.66 | 3118.97 | 3091.41 | 3108.46 | 3108.46 | 4.03E+09 | 0.99591 | 0.997228 | 0.992915 | 0.996244 | 0.996244 | 1.123903 |
| ######## | 3108.49 | 3110.11 | 3094.55 | 3103.54 | 3103.54 | 3.72E+09 | 0.998019 | 0.997159 | 1.001016 | 0.998417 | 0.998417 | 0.922097 |
| ######## | 3111.41 | 3112.87 | 3099.26 | 3110.29 | 3110.29 | 3.23E+09 | 1.000939 | 1.000887 | 1.001522 | 1.002175 | 1.002175 | 0.867283 |
| ######## | 3117.44 | 3133.83 | 3117.44 | 3133.64 | 3133.64 | 3.51E+09 | 1.001938 | 1.006733 | 1.005866 | 1.007507 | 1.007507 | 1.088246 |
| ######## | 3134.85 | 3142.69 | 3131 | 3140.52 | 3140.52 | 4.6E+09 | 1.005585 | 1.002827 | 1.00435 | 1.002196 | 1.002196 | 1.308714 |
| ######## | 3145.49 | 3154.26 | 3143.41 | 3153.63 | 3153.63 | 3.03E+09 | 1.003394 | 1.003682 | 1.003964 | 1.004174 | 1.004174 | 0.66 |
| ######## | 3147.18 | 3150.3 | 3139.34 | 3140.98 | 3140.98 | 1.74E+09 | 1.000537 | 0.998745 | 0.998705 | 0.995989 | 0.995989 | 0.574668 |
| ######## | 3143.85 | 3144.31 | 3110.78 | 3113.87 | 3113.87 | 3.27E+09 | 0.998942 | 0.998099 | 0.990903 | 0.991369 | 0.991369 | 1.875331 |
| ######## | 3087.41 | 3094.97 | 3070.33 | 3093.2 | 3093.2 | 3.65E+09 | 0.982047 | 0.984308 | 0.986997 | 0.993362 | 0.993362 | 1.117675 |
| ######## | 3103.5 | 3119.38 | 3102.53 | 3112.76 | 3112.76 | 3.7E+09 | 1.005212 | 1.007887 | 1.010487 | 1.006324 | 1.006324 | 1.011398 |
| ######## | 3119.21 | 3119.45 | 3103.76 | 3117.43 | 3117.43 | 3.36E+09 | 1.005062 | 1.000022 | 1.000396 | 1.0015 | 1.0015 | 0.908179 |
| ######## | 3134.62 | 3150.6 | 3134.62 | 3145.91 | 3145.91 | 3.48E+09 | 1.00494 | 1.009986 | 1.009943 | 1.009136 | 1.009136 | 1.036871 |
| ######## | 3141.86 | 3148.87 | 3135.46 | 3135.96 | 3135.96 | 3.35E+09 | 1.00231 | 0.999451 | 1.000268 | 0.996837 | 0.996837 | 0.961635 |
| ######## | 3135.36 | 3142.12 | 3126.09 | 3132.52 | 3132.52 | 3.34E+09 | 0.997931 | 0.997856 | 0.997012 | 0.998903 | 0.998903 | 0.999342 |
| ######## | 3135.75 | 3143.98 | 3133.21 | 3141.63 | 3141.63 | 3.25E+09 | 1.000124 | 1.000592 | 1.002278 | 1.002908 | 1.002908 | 0.972711 |
| ######## | 3141.23 | 3176.28 | 3138.47 | 3168.57 | 3168.57 | 3.99E+09 | 1.001748 | 1.010274 | 1.001679 | 1.008575 | 1.008575 | 1.226946 |
| ######## | 3166.65 | 3182.68 | 3156.51 | 3168.8 | 3168.8 | 3.74E+09 | 1.008092 | 1.002015 | 1.005748 | 1.000073 | 1.000073 | 0.936397 |
| ######## | 3183.63 | 3197.71 | 3183.63 | 3191.45 | 3191.45 | 4.05E+09 | 1.005362 | 1.004722 | 1.008592 | 1.007148 | 1.007148 | 1.084274 |
| ######## | 3195.4 | 3198.22 | 3191.03 | 3192.52 | 3192.52 | 3.84E+09 | 1.003697 | 1.000159 | 1.002324 | 1.000335 | 1.000335 | 0.947122 |
| ######## | 3195.21 | 3198.48 | 3191.14 | 3191.14 | 3191.14 | 4.01E+09 | 0.999941 | 1.000081 | 1.000034 | 0.999568 | 0.999568 | 1.046003 |
| ######## | 3192.32 | 3205.48 | 3192.32 | 3205.37 | 3205.37 | 3.72E+09 | 0.999096 | 1.002189 | 1.00037 | 1.004459 | 1.004459 | 0.92685 |
| ######## | 3223.33 | 3225.65 | 3216.03 | 3221.22 | 3221.22 | 6.45E+09 | 1.009714 | 1.006292 | 1.007427 | 1.004945 | 1.004945 | 1.734809 |
| ######## | 3226.05 | 3227.78 | 3222.3 | 3224.01 | 3224.01 | 3.06E+09 | 1.000844 | 1.00066 | 1.00195 | 1.000866 | 1.000866 | 0.474199 |
| ######## | 3225.45 | 3226.43 | 3220.51 | 3223.38 | 3223.38 | 1.3E+09 | 0.999814 | 0.999582 | 0.999444 | 0.999805 | 0.999805 | 0.423621 |
| ######## | 3227.2 | 3240.08 | 3227.2 | 3239.91 | 3239.91 | 2.16E+09 | 1.000543 | 1.004231 | 1.002077 | 1.005128 | 1.005128 | 1.666497 |
| ######## | 3247.23 | 3247.93 | 3234.37 | 3240.02 | 3240.02 | 2.43E+09 | 1.006207 | 1.002423 | 1.002222 | 1.000034 | 1.000034 | 1.12403 |
| ######## | 3240.09 | 3240.92 | 3216.57 | 3221.29 | 3221.29 | 3.01E+09 | 0.997801 | 0.997842 | 0.994497 | 0.994219 | 0.994219 | 1.240716 |
| ######## | 3215.18 | 3231.72 | 3212.03 | 3230.78 | 3230.78 | 2.89E+09 | 0.992312 | 0.997161 | 0.998589 | 1.002946 | 1.002946 | 0.960349 |
| 1/2/2020 | 3244.67 | 3258.14 | 3235.53 | 3257.85 | 3257.85 | 3.46E+09 | 1.009172 | 1.008175 | 1.007316 | 1.008379 | 1.008379 | 1.195051 |
| 1/3/2020 | 3226.36 | 3246.15 | 3222.34 | 3234.85 | 3234.85 | 3.46E+09 | 0.994357 | 0.99632 | 0.995923 | 0.99294 | 0.99294 | 1.000879 |
| 1/6/2020 | 3217.55 | 3246.84 | 3214.64 | 3246.28 | 3246.28 | 3.67E+09 | 0.997269 | 1.000213 | 0.99761 | 1.003533 | 1.003533 | 1.061474 |
| 1/7/2020 | 3241.86 | 3244.91 | 3232.43 | 3237.18 | 3237.18 | 3.42E+09 | 1.007555 | 0.999406 | 1.005534 | 0.997197 | 0.997197 | 0.930951 |
| 1/8/2020 | 3238.59 | 3267.07 | 3236.67 | 3253.05 | 3253.05 | 3.72E+09 | 0.998991 | 1.006829 | 1.001312 | 1.004902 | 1.004902 | 1.087859 |
| 1/9/2020 | 3266.03 | 3275.58 | 3263.67 | 3274.7 | 3274.7 | 3.64E+09 | 1.008473 | 1.002605 | 1.008342 | 1.006655 | 1.006655 | 0.977828 |
| ######## | 3281.81 | 3282.99 | 3260.86 | 3265.35 | 3265.35 | 3.21E+09 | 1.004832 | 1.002262 | 0.999139 | 0.997145 | 0.997145 | 0.883075 |
| ######## | 3271.13 | 3288.13 | 3268.43 | 3288.13 | 3288.13 | 3.46E+09 | 0.996746 | 1.001566 | 1.002321 | 1.006976 | 1.006976 | 1.075759 |
| ######## | 3285.35 | 3294.25 | 3277.19 | 3283.15 | 3283.15 | 3.67E+09 | 1.004347 | 1.001861 | 1.00268 | 0.998485 | 0.998485 | 1.060396 |
| ######## | 3282.27 | 3298.66 | 3280.69 | 3289.29 | 3289.29 | 3.72E+09 | 0.999062 | 1.001339 | 1.001068 | 1.00187 | 1.00187 | 1.014109 |
| ######## | 3302.97 | 3317.11 | 3302.82 | 3316.81 | 3316.81 | 3.54E+09 | 1.006307 | 1.005593 | 1.006746 | 1.008367 | 1.008367 | 0.951098 |
| ######## | 3323.66 | 3329.88 | 3318.86 | 3329.62 | 3329.62 | 3.7E+09 | 1.006264 | 1.00385 | 1.004856 | 1.003862 | 1.003862 | 1.046135 |
| ######## | 3321.03 | 3329.79 | 3316.61 | 3320.79 | 3320.79 | 4.11E+09 | 0.999209 | 0.999973 | 0.999322 | 0.997348 | 0.997348 | 1.1101 |
| ######## | 3330.02 | 3337.77 | 3320.04 | 3321.75 | 3321.75 | 3.62E+09 | 1.002707 | 1.002397 | 1.001034 | 1.000289 | 1.000289 | 0.881742 |
| ######## | 3315.77 | 3326.88 | 3301.87 | 3325.54 | 3325.54 | 3.76E+09 | 0.995721 | 0.996737 | 0.994527 | 1.001141 | 1.001141 | 1.04006 |
| ######## | 3333.1 | 3333.18 | 3281.53 | 3295.47 | 3295.47 | 3.71E+09 | 1.005227 | 1.001894 | 0.99384 | 0.990958 | 0.990958 | 0.984666 |
| ######## | 3247.16 | 3258.85 | 3234.5 | 3243.63 | 3243.63 | 3.82E+09 | 0.974216 | 0.9777 | 0.985668 | 0.984269 | 0.984269 | 1.031283 |
| ######## | 3255.35 | 3285.78 | 3253.22 | 3276.24 | 3276.24 | 3.53E+09 | 1.002522 | 1.008264 | 1.005788 | 1.010054 | 1.010054 | 0.922477 |
| ######## | 3289.46 | 3293.47 | 3271.89 | 3273.4 | 3273.4 | 3.58E+09 | 1.010478 | 1.00234 | 1.005739 | 0.999133 | 0.999133 | 1.016383 |
| ######## | 3256.45 | 3285.91 | 3242.8 | 3283.66 | 3283.66 | 3.79E+09 | 0.989965 | 0.997705 | 0.991109 | 1.003134 | 1.003134 | 1.056563 |
| ######## | 3282.33 | 3282.33 | 3214.68 | 3225.52 | 3225.52 | 4.53E+09 | 1.007947 | 0.998911 | 0.991328 | 0.982294 | 0.982294 | 1.195546 |
| 2/3/2020 | 3235.66 | 3268.44 | 3235.66 | 3248.92 | 3248.92 | 3.76E+09 | 0.985781 | 0.995768 | 1.006526 | 1.007255 | 1.007255 | 0.829958 |
| 2/4/2020 | 3280.61 | 3306.92 | 3280.61 | 3297.59 | 3297.59 | 4E+09 | 1.013892 | 1.011773 | 1.013892 | 1.01498 | 1.01498 | 1.063176 |
| 2/5/2020 | 3324.91 | 3337.58 | 3313.75 | 3334.69 | 3334.69 | 4.12E+09 | 1.013504 | 1.009272 | 1.010102 | 1.011251 | 1.011251 | 1.030638 |
| 2/6/2020 | 3344.92 | 3347.96 | 3334.39 | 3345.78 | 3345.78 | 3.87E+09 | 1.006018 | 1.00311 | 1.006229 | 1.003326 | 1.003326 | 0.939442 |
| 2/7/2020 | 3335.54 | 3341.42 | 3322.12 | 3327.71 | 3327.71 | 3.73E+09 | 0.997196 | 0.998047 | 0.99632 | 0.994599 | 0.994599 | 0.964398 |
| ######## | 3318.28 | 3352.26 | 3317.77 | 3352.09 | 3352.09 | 3.45E+09 | 0.994825 | 1.003244 | 0.998691 | 1.007326 | 1.007326 | 0.924866 |
| ######## | 3365.87 | 3375.63 | 3352.72 | 3357.75 | 3357.75 | 3.76E+09 | 1.014342 | 1.006971 | 1.010534 | 1.001688 | 1.001688 | 1.089904 |
| ######## | 3370.5 | 3381.47 | 3369.72 | 3379.45 | 3379.45 | 3.93E+09 | 1.001376 | 1.00173 | 1.005071 | 1.006463 | 1.006463 | 1.044097 |
| ######## | 3365.9 | 3385.09 | 3360.52 | 3373.94 | 3373.94 | 3.5E+09 | 0.998635 | 1.001071 | 0.99727 | 0.99837 | 0.99837 | 0.890958 |
| ######## | 3378.08 | 3380.69 | 3366.15 | 3380.16 | 3380.16 | 3.4E+09 | 1.003619 | 0.9987 | 1.001675 | 1.001844 | 1.001844 | 0.971357 |
| ######## | 3369.04 | 3375.01 | 3355.61 | 3370.29 | 3370.29 | 3.75E+09 | 0.997324 | 0.99832 | 0.996869 | 0.99708 | 0.99708 | 1.102612 |
| ######## | 3380.39 | 3393.52 | 3378.83 | 3386.15 | 3386.15 | 3.6E+09 | 1.003369 | 1.005484 | 1.00692 | 1.004706 | 1.004706 | 0.96088 |
| ######## | 3380.45 | 3389.15 | 3341.02 | 3373.23 | 3373.23 | 4.01E+09 | 1.000018 | 0.998712 | 0.98881 | 0.996184 | 0.996184 | 1.113098 |
| ######## | 3360.5 | 3360.76 | 3328.45 | 3337.75 | 3337.75 | 3.9E+09 | 0.994098 | 0.991623 | 0.996238 | 0.989482 | 0.989482 | 0.973037 |
| ######## | 3257.61 | 3259.81 | 3214.65 | 3225.89 | 3225.89 | 4.84E+09 | 0.969383 | 0.969962 | 0.96581 | 0.966486 | 0.966486 | 1.242017 |
| ######## | 3238.94 | 3246.99 | 3118.77 | 3128.21 | 3128.21 | 5.59E+09 | 0.994269 | 0.996067 | 0.970174 | 0.96972 | 0.96972 | 1.154565 |
| ######## | 3139.9 | 3182.51 | 3108.99 | 3116.39 | 3116.39 | 5.48E+09 | 0.969422 | 0.980142 | 0.996864 | 0.996221 | 0.996221 | 0.979719 |
| ######## | 3062.54 | 3097.07 | 2977.39 | 2978.76 | 2978.76 | 7.06E+09 | 0.975362 | 0.973153 | 0.957671 | 0.955837 | 0.955837 | 1.288554 |
| ######## | 2916.9 | 2959.72 | 2855.84 | 2954.22 | 2954.22 | 8.56E+09 | 0.952445 | 0.955652 | 0.959176 | 0.991762 | 0.991762 | 1.213209 |
| 3/2/2020 | 2974.28 | 3090.96 | 2945.19 | 3090.23 | 3090.23 | 6.38E+09 | 1.019672 | 1.044342 | 1.031287 | 1.046039 | 1.046039 | 0.744572 |
| 3/3/2020 | 3096.46 | 3136.72 | 2976.63 | 3003.37 | 3003.37 | 6.36E+09 | 1.041079 | 1.014804 | 1.010675 | 0.971892 | 0.971892 | 0.996791 |
| 3/4/2020 | 3045.75 | 3130.97 | 3034.38 | 3130.12 | 3130.12 | 5.04E+09 | 0.983623 | 0.998167 | 1.019401 | 1.042203 | 1.042203 | 0.792248 |
| 3/5/2020 | 3075.7 | 3083.04 | 2999.83 | 3023.94 | 3023.94 | 5.58E+09 | 1.009833 | 0.984692 | 0.988614 | 0.966078 | 0.966078 | 1.107253 |
| 3/6/2020 | 2954.2 | 2985.93 | 2901.54 | 2972.37 | 2972.37 | 6.55E+09 | 0.960497 | 0.968502 | 0.967235 | 0.982946 | 0.982946 | 1.175156 |
| 3/9/2020 | 2863.89 | 2863.89 | 2734.43 | 2746.56 | 2746.56 | 8.42E+09 | 0.96943 | 0.959128 | 0.942406 | 0.92403 | 0.92403 | 1.285542 |
| ######## | 2813.48 | 2882.59 | 2734 | 2882.23 | 2882.23 | 7.64E+09 | 0.982398 | 1.00653 | 0.999843 | 1.049396 | 1.049396 | 0.906555 |
| ######## | 2825.6 | 2825.6 | 2707.22 | 2741.38 | 2741.38 | 7.37E+09 | 1.004308 | 0.98023 | 0.990205 | 0.951132 | 0.951132 | 0.965708 |
| ######## | 2630.86 | 2660.95 | 2478.86 | 2480.64 | 2480.64 | 8.83E+09 | 0.93108 | 0.941729 | 0.915648 | 0.904887 | 0.904887 | 1.197349 |
| ######## | 2569.99 | 2711.33 | 2492.37 | 2711.02 | 2711.02 | 8.26E+09 | 0.976863 | 1.018933 | 1.00545 | 1.092871 | 1.092871 | 0.935362 |
| ######## | 2508.59 | 2562.98 | 2380.94 | 2386.13 | 2386.13 | 7.78E+09 | 0.976109 | 0.945285 | 0.955291 | 0.880159 | 0.880159 | 0.942227 |
| ######## | 2425.66 | 2553.93 | 2367.04 | 2529.19 | 2529.19 | 8.36E+09 | 0.966942 | 0.996469 | 0.994162 | 1.059955 | 1.059955 | 1.074145 |
| ######## | 2436.5 | 2453.57 | 2280.52 | 2398.1 | 2398.1 | 8.76E+09 | 1.004469 | 0.960704 | 0.963448 | 0.948169 | 0.948169 | 1.04753 |
| ######## | 2393.48 | 2466.97 | 2319.78 | 2409.39 | 2409.39 | 7.95E+09 | 0.982344 | 1.005461 | 1.017215 | 1.004708 | 1.004708 | 0.907596 |
| ######## | 2431.94 | 2453.01 | 2295.56 | 2304.92 | 2304.92 | 9.04E+09 | 1.016069 | 0.994341 | 0.989559 | 0.95664 | 0.95664 | 1.138168 |
| ######## | 2290.71 | 2300.73 | 2191.86 | 2237.4 | 2237.4 | 7.4E+09 | 0.941927 | 0.937921 | 0.954826 | 0.970706 | 0.970706 | 0.818401 |
| ######## | 2344.44 | 2449.71 | 2344.44 | 2447.33 | 2447.33 | 7.55E+09 | 1.023456 | 1.064753 | 1.069612 | 1.093828 | 1.093828 | 1.019612 |
| ######## | 2457.77 | 2571.42 | 2407.53 | 2475.56 | 2475.56 | 8.29E+09 | 1.04834 | 1.049683 | 1.026911 | 1.011535 | 1.011535 | 1.097825 |
| ######## | 2501.29 | 2637.01 | 2500.72 | 2630.07 | 2630.07 | 7.75E+09 | 1.017707 | 1.025507 | 1.038708 | 1.062414 | 1.062414 | 0.935731 |
| ######## | 2555.87 | 2615.91 | 2520.02 | 2541.47 | 2541.47 | 6.19E+09 | 1.021821 | 0.991998 | 1.007718 | 0.966313 | 0.966313 | 0.798943 |
| ######## | 2558.98 | 2631.8 | 2545.28 | 2626.65 | 2626.65 | 5.75E+09 | 1.001217 | 1.006074 | 1.010024 | 1.033516 | 1.033516 | 0.927658 |
| ######## | 2614.69 | 2641.39 | 2571.15 | 2584.59 | 2584.59 | 6.57E+09 | 1.02177 | 1.003644 | 1.010164 | 0.983987 | 0.983987 | 1.143063 |
| 4/1/2020 | 2498.08 | 2522.75 | 2447.49 | 2470.5 | 2470.5 | 5.95E+09 | 0.955402 | 0.955084 | 0.951905 | 0.955858 | 0.955858 | 0.905548 |
| 4/2/2020 | 2458.54 | 2533.22 | 2455.79 | 2526.9 | 2526.9 | 6.45E+09 | 0.984172 | 1.00415 | 1.003391 | 1.022829 | 1.022829 | 1.085255 |
| 4/3/2020 | 2514.92 | 2538.18 | 2459.96 | 2488.65 | 2488.65 | 6.09E+09 | 1.022932 | 1.001958 | 1.001698 | 0.984863 | 0.984863 | 0.943021 |
| 4/6/2020 | 2578.28 | 2676.85 | 2574.57 | 2663.68 | 2663.68 | 6.39E+09 | 1.025194 | 1.054634 | 1.04659 | 1.070331 | 1.070331 | 1.050051 |
| 4/7/2020 | 2738.65 | 2756.89 | 2657.67 | 2659.41 | 2659.41 | 7.04E+09 | 1.0622 | 1.029901 | 1.032277 | 0.998397 | 0.998397 | 1.101513 |
| 4/8/2020 | 2685 | 2760.75 | 2663.3 | 2749.98 | 2749.98 | 5.86E+09 | 0.98041 | 1.0014 | 1.002118 | 1.034056 | 1.034056 | 0.831786 |
| 4/9/2020 | 2776.99 | 2818.57 | 2762.36 | 2789.82 | 2789.82 | 7.88E+09 | 1.034261 | 1.020944 | 1.037194 | 1.014487 | 1.014487 | 1.345567 |
| ######## | 2782.46 | 2782.46 | 2721.17 | 2761.63 | 2761.63 | 5.27E+09 | 1.00197 | 0.987189 | 0.985089 | 0.989895 | 0.989895 | 0.669317 |
| ######## | 2805.1 | 2851.85 | 2805.1 | 2846.06 | 2846.06 | 5.57E+09 | 1.008137 | 1.024938 | 1.030843 | 1.030573 | 1.030573 | 1.055569 |
| ######## | 2795.64 | 2801.88 | 2761.54 | 2783.36 | 2783.36 | 5.2E+09 | 0.996627 | 0.982478 | 0.984471 | 0.97797 | 0.97797 | 0.934618 |
| ######## | 2799.34 | 2806.51 | 2764.32 | 2799.55 | 2799.55 | 5.18E+09 | 1.001324 | 1.001653 | 1.001007 | 1.005817 | 1.005817 | 0.995503 |
| ######## | 2842.43 | 2879.22 | 2830.88 | 2874.56 | 2874.56 | 5.79E+09 | 1.015393 | 1.025908 | 1.024078 | 1.026794 | 1.026794 | 1.118176 |
| ######## | 2845.62 | 2868.98 | 2820.43 | 2823.16 | 2823.16 | 5.22E+09 | 1.001122 | 0.996443 | 0.996309 | 0.982119 | 0.982119 | 0.901249 |
| ######## | 2784.81 | 2785.54 | 2727.1 | 2736.56 | 2736.56 | 5.08E+09 | 0.97863 | 0.970917 | 0.966909 | 0.969325 | 0.969325 | 0.972351 |
| ######## | 2787.89 | 2815.1 | 2775.95 | 2799.31 | 2799.31 | 5.05E+09 | 1.001106 | 1.010612 | 1.017913 | 1.02293 | 1.02293 | 0.994844 |
| ######## | 2810.42 | 2844.9 | 2794.26 | 2797.8 | 2797.8 | 5.76E+09 | 1.008081 | 1.010586 | 1.006596 | 0.999461 | 0.999461 | 1.139982 |
| ######## | 2812.64 | 2842.71 | 2791.76 | 2836.74 | 2836.74 | 5.37E+09 | 1.00079 | 0.99923 | 0.999105 | 1.013918 | 1.013918 | 0.933634 |
| ######## | 2854.65 | 2887.72 | 2852.89 | 2878.48 | 2878.48 | 5.19E+09 | 1.014936 | 1.015833 | 1.021897 | 1.014714 | 1.014714 | 0.966467 |
| ######## | 2909.96 | 2921.15 | 2860.71 | 2863.39 | 2863.39 | 5.67E+09 | 1.019375 | 1.011577 | 1.002741 | 0.994758 | 0.994758 | 1.092144 |
| ######## | 2918.46 | 2954.86 | 2912.16 | 2939.51 | 2939.51 | 6.62E+09 | 1.002921 | 1.01154 | 1.017985 | 1.026584 | 1.026584 | 1.16698 |
| ######## | 2930.91 | 2930.91 | 2892.47 | 2912.43 | 2912.43 | 6.52E+09 | 1.004266 | 0.991895 | 0.993239 | 0.990788 | 0.990788 | 0.985345 |
| 5/1/2020 | 2869.09 | 2869.09 | 2821.61 | 2830.71 | 2830.71 | 4.75E+09 | 0.978908 | 0.978908 | 0.975502 | 0.971941 | 0.971941 | 0.728664 |
| 5/4/2020 | 2815.01 | 2844.24 | 2797.85 | 2842.74 | 2842.74 | 4.72E+09 | 0.981151 | 0.991339 | 0.991579 | 1.00425 | 1.00425 | 0.993684 |
| 5/5/2020 | 2868.88 | 2898.23 | 2863.55 | 2868.44 | 2868.44 | 5.13E+09 | 1.019137 | 1.018982 | 1.023482 | 1.009041 | 1.009041 | 1.086055 |
| 5/6/2020 | 2883.14 | 2891.11 | 2847.65 | 2848.42 | 2848.42 | 4.86E+09 | 1.004971 | 0.997543 | 0.994447 | 0.993021 | 0.993021 | 0.947818 |
| 5/7/2020 | 2878.26 | 2901.92 | 2876.48 | 2881.19 | 2881.19 | 5.16E+09 | 0.998307 | 1.003739 | 1.010124 | 1.011505 | 1.011505 | 1.062263 |
| 5/8/2020 | 2908.83 | 2932.16 | 2902.88 | 2929.8 | 2929.8 | 4.86E+09 | 1.010621 | 1.010421 | 1.009178 | 1.016872 | 1.016872 | 0.940464 |
| ######## | 2915.46 | 2944.25 | 2903.44 | 2930.19 | 2930.19 | 4.81E+09 | 1.002279 | 1.004123 | 1.000193 | 1.000133 | 1.000133 | 0.989739 |
| ######## | 2939.5 | 2945.82 | 2869.59 | 2870.12 | 2870.12 | 5.11E+09 | 1.008246 | 1.000533 | 0.988341 | 0.9795 | 0.9795 | 1.062486 |
| ######## | 2865.86 | 2874.14 | 2793.15 | 2820 | 2820 | 6.14E+09 | 0.974948 | 0.975667 | 0.973362 | 0.982537 | 0.982537 | 1.202717 |
| ######## | 2794.54 | 2852.8 | 2766.64 | 2852.5 | 2852.5 | 5.64E+09 | 0.975114 | 0.992575 | 0.990509 | 1.011525 | 1.011525 | 0.918411 |
| ######## | 2829.95 | 2865.01 | 2816.78 | 2863.7 | 2863.7 | 5.48E+09 | 1.012671 | 1.00428 | 1.018123 | 1.003926 | 1.003926 | 0.970776 |
| ######## | 2913.86 | 2968.09 | 2913.86 | 2953.91 | 2953.91 | 6.36E+09 | 1.029651 | 1.035979 | 1.034465 | 1.031501 | 1.031501 | 1.161994 |
| ######## | 2948.59 | 2964.21 | 2922.35 | 2922.94 | 2922.94 | 4.97E+09 | 1.011919 | 0.998693 | 1.002914 | 0.989516 | 0.989516 | 0.780815 |
| ######## | 2953.63 | 2980.29 | 2953.63 | 2971.61 | 2971.61 | 4.99E+09 | 1.001709 | 1.005425 | 1.010704 | 1.016651 | 1.016651 | 1.004757 |
| ######## | 2969.95 | 2978.5 | 2938.57 | 2948.51 | 2948.51 | 4.97E+09 | 1.005525 | 0.999399 | 0.994901 | 0.992226 | 0.992226 | 0.994787 |
| ######## | 2948.05 | 2956.76 | 2933.59 | 2955.45 | 2955.45 | 3.95E+09 | 0.992626 | 0.992701 | 0.998305 | 1.002354 | 1.002354 | 0.795822 |
| ######## | 3004.08 | 3021.72 | 2988.17 | 2991.77 | 2991.77 | 5.84E+09 | 1.019006 | 1.02197 | 1.018605 | 1.012289 | 1.012289 | 1.47669 |
| ######## | 3015.65 | 3036.25 | 2969.75 | 3036.13 | 3036.13 | 6.37E+09 | 1.003851 | 1.004809 | 0.993836 | 1.014827 | 1.014827 | 1.091514 |
| ######## | 3046.61 | 3068.67 | 3023.4 | 3029.73 | 3029.73 | 5.4E+09 | 1.010267 | 1.010678 | 1.018065 | 0.997892 | 0.997892 | 0.847979 |
| ######## | 3025.17 | 3049.17 | 2998.61 | 3044.31 | 3044.31 | 7.28E+09 | 0.992963 | 0.993645 | 0.991801 | 1.004812 | 1.004812 | 1.346571 |
| 6/1/2020 | 3038.78 | 3062.18 | 3031.54 | 3055.73 | 3055.73 | 4.67E+09 | 1.004499 | 1.004267 | 1.010982 | 1.003751 | 1.003751 | 0.642386 |
| 6/2/2020 | 3064.78 | 3081.07 | 3051.64 | 3080.82 | 3080.82 | 5.19E+09 | 1.008556 | 1.006169 | 1.00663 | 1.008211 | 1.008211 | 1.109945 |
| 6/3/2020 | 3098.9 | 3130.94 | 3098.9 | 3122.87 | 3122.87 | 5.99E+09 | 1.011133 | 1.016186 | 1.015487 | 1.013649 | 1.013649 | 1.154674 |
| 6/4/2020 | 3111.56 | 3128.91 | 3090.41 | 3112.35 | 3112.35 | 6.43E+09 | 1.004085 | 0.999352 | 0.99726 | 0.996631 | 0.996631 | 1.073222 |
| 6/5/2020 | 3163.84 | 3211.72 | 3163.84 | 3193.93 | 3193.93 | 8.62E+09 | 1.016802 | 1.026466 | 1.023761 | 1.026212 | 1.026212 | 1.340606 |
| 6/8/2020 | 3199.92 | 3233.13 | 3196 | 3232.39 | 3232.39 | 8.44E+09 | 1.011404 | 1.006666 | 1.010165 | 1.012042 | 1.012042 | 0.979088 |
| 6/9/2020 | 3213.32 | 3222.71 | 3193.11 | 3207.18 | 3207.18 | 6.38E+09 | 1.004188 | 0.996777 | 0.999096 | 0.992201 | 0.992201 | 0.756469 |
| ######## | 3213.42 | 3223.27 | 3181.49 | 3190.14 | 3190.14 | 6.57E+09 | 1.000031 | 1.000174 | 0.996361 | 0.994687 | 0.994687 | 1.029489 |
| ######## | 3123.53 | 3123.53 | 2999.49 | 3002.1 | 3002.1 | 7.02E+09 | 0.972027 | 0.969056 | 0.942794 | 0.941056 | 0.941056 | 1.068188 |
| ######## | 3071.04 | 3088.42 | 2984.47 | 3041.31 | 3041.31 | 5.83E+09 | 0.983195 | 0.988759 | 0.994992 | 1.013061 | 1.013061 | 0.830936 |
| ######## | 2993.76 | 3079.76 | 2965.66 | 3066.59 | 3066.59 | 5.74E+09 | 0.974836 | 0.997196 | 0.993697 | 1.008312 | 1.008312 | 0.984296 |
| ######## | 3131 | 3153.45 | 3076.06 | 3124.74 | 3124.74 | 5.83E+09 | 1.045842 | 1.023927 | 1.037226 | 1.018962 | 1.018962 | 1.01543 |
| ######## | 3136.13 | 3141.16 | 3108.03 | 3113.49 | 3113.49 | 4.55E+09 | 1.001638 | 0.996103 | 1.010393 | 0.9964 | 0.9964 | 0.780443 |
| ######## | 3101.64 | 3120 | 3093.51 | 3115.34 | 3115.34 | 4.43E+09 | 0.989002 | 0.993264 | 0.995328 | 1.000594 | 1.000594 | 0.973544 |
| ######## | 3140.29 | 3155.53 | 3083.11 | 3097.74 | 3097.74 | 8.33E+09 | 1.012461 | 1.011388 | 0.996638 | 0.994351 | 0.994351 | 1.880272 |
| ######## | 3094.42 | 3120.92 | 3079.39 | 3117.86 | 3117.86 | 4.67E+09 | 0.985393 | 0.989032 | 0.998793 | 1.006495 | 1.006495 | 0.560219 |
| ######## | 3138.7 | 3154.9 | 3127.12 | 3131.29 | 3131.29 | 4.7E+09 | 1.01431 | 1.010888 | 1.0155 | 1.004307 | 1.004307 | 1.008456 |
| ######## | 3114.4 | 3115.01 | 3032.13 | 3050.33 | 3050.33 | 5.59E+09 | 0.992258 | 0.987356 | 0.969624 | 0.974145 | 0.974145 | 1.187546 |
| ######## | 3046.6 | 3086.25 | 3024.01 | 3083.76 | 3083.76 | 4.82E+09 | 0.97823 | 0.990767 | 0.997322 | 1.010959 | 1.010959 | 0.861866 |
| ######## | 3073.2 | 3073.73 | 3004.63 | 3009.05 | 3009.05 | 8.1E+09 | 1.008731 | 0.995943 | 0.993591 | 0.975773 | 0.975773 | 1.681706 |
| ######## | 3018.59 | 3053.89 | 2999.74 | 3053.24 | 3053.24 | 4.46E+09 | 0.98223 | 0.993545 | 0.998373 | 1.014686 | 1.014686 | 0.551087 |
| ######## | 3050.2 | 3111.51 | 3047.83 | 3100.29 | 3100.29 | 4.7E+09 | 1.010472 | 1.018868 | 1.016031 | 1.01541 | 1.01541 | 1.052324 |

Mean variance and correlation matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | open | high | low | close | adj close | volume |
| expected return | 1.000314 | 1.00033226 | 1.000328 | 1.000392 | 1.000392 | 1.017225 |
| risk | 0.012193 | 0.01178855 | 0.013022 | 0.016469 | 0.016469 | 0.185964 |
| variance | 0.000149 | 0.00013897 | 0.00017 | 0.000271 | 0.000271 | 0.034583 |
| n | 501 |  |  |  |  |  |

Correlation matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | open | high | low | close | adj close | volume |
| open | 1 | 0.762459 | 0.728764 | 0.292099 | 0.292099 | 0.051461 |
| high | 0.762459 | 1 | 0.865476 | 0.73431 | 0.73431 | 0.089491 |
| low | 0.728764 | 0.86547597 | 1 | 0.757791 | 0.757791 | -0.09727 |
| close | 0.292099 | 0.73431043 | 0.757791 | 1 |  | -0.05343 |
| adj close | 0.292099 | 0.73431043 | 0.757791 | 1 | 1 | -0.05343 |
| volume | 0.051461 | 0.08949095 | -0.09727 | -0.05343 | -0.05343 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | open | | high | | low | | close | | adj close | | |
|  | 0.33% | | 0.33% | | 0.33% | | 0.33% | | 0.33% | | |
| E r (p) | #VALUE! | |  | |  | |  | |  | | |
| E r (p) | 0.01986247 | |  | |  | |  | |  | | |
| standard deviation | 1.3382E-05 | | 1.34E-05 | | 1.34E-05 | | 1.34E-05 | | 1.34E-05 | | |
|  | 4.4561E-08 | | 4.45E-08 | | 4.46E-08 | | 4.45E-08 | | 4.45E-08 | | |
|  | 0.0002111 | | 0.000211 | | 0.000211 | | 0.000211 | | 0.000211 | | |
| ans | 0.00105515 | |  | |  | |  | |  | | |
|  |  | |  | |  | |  | |  | | |
| E r (p)/stdev p | 18.8242827 | |  | |  | |  | |  | | |
|  |  | |  | |  | |  | |  | | |
|  |  | |  | |  | |  | |  | | |
|  | open | | high | | low | | close | | adj close | | |
| equally weighted | 0.33% | | 0.33% | | 0.33% | | 0.33% | | 0.33% | | |
| E r (p) | 0.00333105 | | 0.003331 | | 0.003331 | | 0.003331 | | 0.003331 | | |
| STDEV P | 0.0002111 | | 0.000211 | | 0.000211 | | 0.000211 | | 0.000211 | | |
| E r(p)/stdev.p | 18.8242827 | |  | |  | |  | |  | | |
| Variancecovariance table |  | |  | |  | |  | |  | | |
| open | | high | | low | | close | | adj close | | volume |  | |  |
| 1.003770797 | | 1.004545 | | 1.003045 | | 1.003538 | | 1.003538 | | 0.948571 |  | |  |
| 0.002011006 | | 0.002007 | | 0.002014 | | 0.002006 | | 0.002006 | | 0.002201 |  | |  |
| 0.002007542 | | 0.002009 | | 0.002006 | | 0.002007 | | 0.002007 | | 0.001897 |  | |  |
| 0.004018547 | | 0.004016 | | 0.00402 | | 0.004013 | | 0.004013 | | 0.004098 | variancecoariance | | |

Graph of the results