

# Untitled

```
## Loading required package: xts
## Loading required package: zoo
##
## Attaching package: 'zoo'
##
## The following objects are masked from 'package:base':
##
##      as.Date, as.Date.numeric

## [1] "ABF.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC Tog
## 57 9/17/2014 2630 2651 2618 2630 35.00 56 2718 -88 0 67
## 58 9/18/2014 2632 2662 2623 2659 39.00 55 2691 -32 27 29
## 59 9/19/2014 2680 2727 2665 2675 68.07 56 2668 7 -5 -3
## 60 9/22/2014 2669 2713 2649 2694 64.00 57 2661 33 25 -12
## 61 9/23/2014 2693 2693 2612 2619 82.00 59 2653 -34 -74 -40
## 62 9/24/2014 2615 2615 2533 2587 86.00 60 2641 -54 -28 26
## 63 9/25/2014 2590 2605 2539 2546 66.00 61 2628 -82 -44 23
## 64 9/26/2014 2540 2577 2505 2567 72.00 62 2622 -55 27 45
## 65 9/29/2014 2567 2573 2547 2563 26.00 59 2616 -53 -4 43
## 66 9/30/2014 2585 2683 2564 2679 120.00 63 2622 57 94 -58
## [1] ""
## [1] "AGK.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC Tog
## 57 9/17/2014 1616 1627 1591 1599 36.00 27 1651 -52 -17 24.00
## 58 9/18/2014 1600 1608 1588 1607 20.00 27 1642 -35 7 34.00
## 59 9/19/2014 1625 1642 1617 1618 35.00 27 1636 -18 -7 -6.00
## 60 9/22/2014 1617 1621 1589 1595 31.80 28 1627 -32 -22 6.00
## 61 9/23/2014 1598 1598 1563 1569 35.00 28 1617 -48 -29 19.00
## 62 9/24/2014 1569 1572 1562 1570 10.03 27 1608 -38 1 36.00
## 63 9/25/2014 1567 1579 1555 1559 24.37 27 1599 -40 -8 19.63
## 64 9/26/2014 1557 1570 1539 1566 31.00 27 1593 -27 9 23.00
## 65 9/29/2014 1564 1579 1556 1576 23.00 27 1588 -12 12 9.00
## 66 9/30/2014 1578 1587 1548 1548 39.00 28 1581 -33 -30 -6.00
## [1] ""
## [1] "AZN.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC Tog
## 57 9/17/2014 4518 4534 4484 4493 49.5 77 4547 -54 -26 13.5
## 58 9/18/2014 4493 4556 4488 4536 67.5 76 4545 -8 44 -10.5
## 59 9/19/2014 4562 4600 4532 4578 67.0 76 4547 32 16 -14.5
## 60 9/22/2014 4568 4588 4526 4578 62.5 75 4548 30 10 -22.0
## 61 9/23/2014 4433 4441 4277 4414 300.9 91 4531 -117 -19 90.0
## 62 9/24/2014 4354 4410 4334 4396 80.5 90 4511 -115 42 100.5
## 63 9/25/2014 4374 4424 4364 4374 60.5 88 4495 -121 0 70.5
## 64 9/26/2014 4372 4444 4336 4408 109.0 89 4483 -74 36 38.5
## 65 9/29/2014 4430 4461 4392 4446 68.5 88 4474 -28 16 13.0
## 66 9/30/2014 4440 4456 4409 4442 47.5 85 4467 -26 2 10.5
## [1] ""
## [1] "BATS.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC Tog
## 57 9/17/2014 3612 3650 3602 3610 48.51 46 3609 0 -3 -41.01
## 58 9/18/2014 3616 3619 3596 3615 23.00 44 3611 4 -2 -15.00
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## 59 9/19/2014 3656 3656 3624 3629 41.50 44 3616 13 -28 8.50
## 60 9/22/2014 3635 3635 3586 3618 48.50 44 3617 0 -18 -18.00
## 61 9/23/2014 3623 3628 3533 3544 95.00 48 3611 -68 -80 -17.00
## 62 9/24/2014 3538 3574 3526 3567 48.25 48 3607 -40 29 33.00
## 63 9/25/2014 3578 3588 3506 3529 81.50 50 3598 -69 -49 10.00
## 64 9/26/2014 3530 3530 3485 3506 45.00 50 3585 -79 -24 55.00
## 65 9/29/2014 3518 3518 3480 3502 37.00 49 3572 -70 -16 54.50
## 66 9/30/2014 3511 3514 3470 3482 45.00 49 3560 -78 -29 45.50
## [1] ""
## [1] "BLT.L.csv"
##      Date Open High Low Close tr atr MA diff OC Tog
## 57 9/17/2014 1848 1857 1816 1817 40.50 36 1862 -45 -32 5.0
## 58 9/18/2014 1810 1822 1801 1816 21.00 35 1853 -36 6 31.0
## 59 9/19/2014 1815 1818 1788 1794 31.00 35 1843 -50 -22 24.5
## 60 9/22/2014 1766 1770 1727 1730 66.50 37 1827 -96 -36 57.0
## 61 9/23/2014 1750 1756 1733 1742 26.00 36 1814 -72 -9 57.5
## 62 9/24/2014 1754 1800 1735 1798 64.50 38 1807 -10 43 7.5
## 63 9/25/2014 1782 1782 1736 1746 62.00 40 1797 -51 -36 15.0
## 64 9/26/2014 1738 1754 1720 1732 34.50 39 1785 -53 -6 31.0
## 65 9/29/2014 1715 1726 1705 1720 27.01 39 1773 -52 6 47.0
## 66 9/30/2014 1728 1732 1698 1715 33.50 38 1761 -46 -13 29.0
## [1] ""
## [1] "BNZL.L.csv"
##      Date Open High Low Close tr atr MA diff OC Tog
## 57 9/17/2014 1617 1642 1614 1617 31 24 1631 -14 0 -11
## 58 9/18/2014 1616 1632 1614 1622 18 24 1627 -5 6 -5
## 59 9/19/2014 1637 1649 1637 1643 27 24 1626 17 6 11
## 60 9/22/2014 1637 1643 1627 1643 16 23 1626 17 6 1
## 61 9/23/2014 1646 1646 1608 1617 38 24 1623 -6 -29 -23
## 62 9/24/2014 1615 1615 1595 1610 22 24 1621 -11 -5 6
## 63 9/25/2014 1608 1615 1587 1594 28 25 1619 -25 -14 4
## 64 9/26/2014 1592 1600 1569 1597 31 25 1618 -21 5 18
## 65 9/29/2014 1595 1612 1589 1610 23 25 1616 -6 15 4
## 66 9/30/2014 1612 1617 1605 1610 12 24 1616 -6 -2 -1
## [1] ""
## [1] "CCL.L.csv"
##      Date Open High Low Close tr atr MA diff OC Tog
## 57 9/17/2014 2390 2405 2371 2400 34 35 2382 18 10 -11
## 58 9/18/2014 2401 2425 2381 2425 44 35 2388 37 24 -7
## 59 9/19/2014 2437 2487 2435 2470 62 37 2398 72 33 37
## 60 9/22/2014 2458 2460 2432 2437 38 37 2403 34 -21 29
## 61 9/23/2014 2437 2556 2392 2443 164 46 2408 35 6 -16
## 62 9/24/2014 2470 2479 2418 2451 61 47 2415 36 -19 3
## 63 9/25/2014 2459 2503 2455 2475 52 48 2425 50 16 30
## 64 9/26/2014 2465 2479 2439 2474 40 47 2434 40 9 5
## 65 9/29/2014 2479 2502 2464 2477 38 47 2444 33 -2 20
## 66 9/30/2014 2480 2480 2453 2464 27 45 2452 12 -16 1
## [1] ""
## [1] "DGE.L.csv"
##      Date Open High Low Close tr atr MA diff OC Tog
## 57 9/17/2014 1844 1846 1812 1812 34.50 26 1826 -14 -32 -19.50
## 58 9/18/2014 1812 1830 1806 1819 24.00 26 1825 -6 6 -4.50
## 59 9/19/2014 1834 1860 1826 1826 41.00 27 1826 0 -8 -34.00
## 60 9/22/2014 1825 1828 1813 1817 14.50 26 1826 -9 -8 -1.50

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## 61 9/23/2014 1820 1822 1776 1778 46.50 27 1821 -43 -42 -1.00
## 62 9/24/2014 1774 1794 1766 1793 28.50 27 1817 -24 18 23.00
## 63 9/25/2014 1798 1806 1776 1779 29.00 28 1814 -35 -20 8.50
## 64 9/26/2014 1778 1791 1759 1768 32.33 28 1809 -41 -10 17.67
## 65 9/29/2014 1762 1768 1747 1762 21.00 27 1800 -38 1 32.00
## 66 9/30/2014 1770 1792 1757 1785 34.50 28 1794 -9 15 2.50
## [1] ""
## [1] "IHG.L.csv"
##      Date Open High Low Close  tr atr  MA diff  OC Tog
## 57 9/17/2014 2375 2378 2358 2373 20.0 36 2331 42 -2 27
## 58 9/18/2014 2373 2413 2373 2412 40.0 36 2340 72 39 33
## 59 9/19/2014 2431 2454 2429 2445 42.0 37 2355 90 14 74
## 60 9/22/2014 2444 2444 2416 2433 29.0 36 2370 63 -11 46
## 61 9/23/2014 2431 2432 2363 2406 70.0 39 2379 27 -25 -16
## 62 9/24/2014 2409 2409 2364 2374 45.0 39 2386 -12 -35 -23
## 63 9/25/2014 2377 2404 2354 2359 50.0 40 2389 -30 -18 -15
## 64 9/26/2014 2360 2364 2343 2354 21.4 38 2390 -36 -6 26
## 65 9/29/2014 2359 2364 2346 2362 18.0 37 2389 -27 3 25
## 66 9/30/2014 2368 2387 2354 2379 33.0 37 2390 -11 11 3
## [1] ""
## [1] "IMT.L.csv"
##      Date Open High Low Close  tr atr  MA diff  OC Tog
## 57 9/17/2014 2765 2773 2748 2748 25.45 39 2716 32 -17 31.55
## 58 9/18/2014 2750 2781 2745 2774 36.00 39 2723 51 24 22.00
## 59 9/19/2014 2788 2790 2749 2771 41.00 39 2732 39 -17 17.00
## 60 9/22/2014 2756 2771 2742 2751 29.20 39 2740 11 -5 1.80
## 61 9/23/2014 2740 2740 2680 2685 71.00 41 2740 -55 -55 0.00
## 62 9/24/2014 2685 2707 2682 2707 25.00 40 2741 -34 22 34.00
## 63 9/25/2014 2703 2718 2687 2695 31.00 39 2740 -45 -8 22.00
## 64 9/26/2014 2702 2705 2647 2647 58.00 40 2729 -82 -55 24.00
## 65 9/29/2014 2655 2657 2629 2640 28.00 40 2717 -77 -15 60.00
## 66 9/30/2014 2646 2672 2621 2664 51.00 40 2708 -44 18 36.00
## [1] ""
## [1] "ITRK.L.csv"
##      Date Open High Low Close  tr atr  MA diff  OC Tog
## 57 9/17/2014 2703 2717 2641 2646 76 41 2751 -105 -57 34
## 58 9/18/2014 2649 2674 2636 2650 38 41 2736 -86 1 62
## 59 9/19/2014 2671 2684 2662 2674 34 41 2723 -49 3 39
## 60 9/22/2014 2682 2682 2637 2645 45 41 2708 -63 -37 26
## 61 9/23/2014 2646 2656 2586 2588 70 43 2688 -100 -58 32
## 62 9/24/2014 2588 2630 2575 2627 55 44 2674 -47 39 44
## 63 9/25/2014 2620 2641 2548 2558 93 47 2656 -98 -62 15
## 64 9/26/2014 2559 2573 2533 2569 40 47 2639 -70 10 66
## 65 9/29/2014 2565 2583 2552 2567 31 46 2622 -55 2 39
## 66 9/30/2014 2600 2673 2600 2621 106 50 2614 7 21 -14
## [1] ""
## [1] "JMAT.L.csv"
##      Date Open High Low Close  tr atr  MA diff  OC Tog
## 57 9/17/2014 3140 3163 3122 3131 63 48 3162 -31 -9 -1
## 58 9/18/2014 3134 3141 3119 3132 22 46 3153 -21 -2 12
## 59 9/19/2014 3147 3150 3104 3104 46 46 3145 -41 -43 -5
## 60 9/22/2014 3095 3126 3071 3121 55 47 3138 -17 26 12
## 61 9/23/2014 3120 3123 3043 3045 80 49 3126 -81 -75 3
## 62 9/24/2014 3050 3053 3012 3020 41 49 3111 -91 -30 58

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## 63 9/25/2014 3013 3033 2933 2944 100 52 3090 -146 -69 57
## 64 9/26/2014 2941 2941 2889 2934 55 53 3067 -133 -7 126
## 65 9/29/2014 2934 2954 2928 2934 26 51 3046 -112 0 92
## 66 9/30/2014 2949 2949 2905 2919 44 50 3028 -109 -30 79
## [1] ""
## [1] "LSE.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC   Tog
## 57 9/17/2014 1846 1869 1838 1864 33.00 40 1959 -95 18 90.00
## 58 9/18/2014 1870 1871 1853 1870 18.00 38 1938 -68 0 67.00
## 59 9/19/2014 1887 1910 1883 1892 40.00 38 1923 -31 5 13.00
## 60 9/22/2014 1890 1916 1880 1897 36.39 38 1908 -11 7 -8.39
## 61 9/23/2014 1894 1912 1885 1909 27.00 37 1891 18 15 -6.00
## 62 9/24/2014 1912 1915 1889 1911 26.00 37 1877 34 -1 12.00
## 63 9/25/2014 1907 1928 1887 1892 41.00 37 1880 12 -15 7.00
## 64 9/26/2014 1902 1912 1871 1894 41.11 37 1882 12 -8 -11.00
## 65 9/29/2014 1894 1910 1890 1892 20.00 36 1886 6 -2 4.00
## 66 9/30/2014 1899 1904 1853 1868 51.00 37 1889 -21 -31 -15.00
## [1] ""
## [1] "NXT.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC   Tog
## 57 9/17/2014 6900 6929 6855 6855 74.25 99 7044 -189 -45 114.8
## 58 9/18/2014 6850 6940 6843 6910 96.81 99 7013 -103 60 73.0
## 59 9/19/2014 6955 6985 6905 6930 80.00 98 6986 -56 -25 1.0
## 60 9/22/2014 6925 6940 6855 6925 85.00 97 6966 -41 0 26.0
## 61 9/23/2014 6925 6945 6860 6900 85.00 96 6942 -42 -25 -3.0
## 62 9/24/2014 6885 6915 6845 6910 70.00 94 6916 -6 25 1.0
## 63 9/25/2014 6875 6935 6774 6810 161.40 99 6902 -92 -65 -33.0
## 64 9/26/2014 6810 6882 6795 6860 86.80 98 6894 -34 50 12.2
## 65 9/29/2014 6850 6890 6805 6865 85.00 97 6883 -18 15 -7.0
## 66 9/30/2014 6555 6660 6480 6605 385.00 118 6857 -252 50 197.0
## [1] ""
## [1] "RB.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC   Tog
## 57 9/17/2014 5495 5540 5375 5390 165.00 80 5388 2 -105 -13.00
## 58 9/18/2014 5390 5430 5355 5405 75.00 80 5392 13 15 -37.00
## 59 9/19/2014 5440 5480 5350 5360 130.00 84 5394 -34 -80 -86.00
## 60 9/22/2014 5355 5365 5305 5345 60.00 82 5392 -47 -10 27.00
## 61 9/23/2014 5355 5365 5230 5250 135.00 86 5382 -132 -105 17.00
## 62 9/24/2014 5245 5265 5210 5250 55.00 83 5374 -124 5 109.00
## 63 9/25/2014 5300 5315 5235 5255 80.00 83 5362 -107 -45 47.00
## 64 9/26/2014 5265 5355 5240 5330 115.00 85 5354 -24 65 -1.00
## 65 9/29/2014 5335 5380 5297 5365 83.16 85 5344 21 30 -47.16
## 66 9/30/2014 5370 5395 5335 5350 60.00 84 5330 20 -20 5.00
## [1] ""
## [1] "RDSA.L.csv"
##      Date Open High Low Close      tr atr    MA diff  OC   Tog
## 57 9/17/2014 2413 2418 2396 2400 21.00 28 2416 -16 -12 -1.5
## 58 9/18/2014 2401 2412 2387 2402 25.50 28 2412 -10 2 -0.5
## 59 9/19/2014 2412 2420 2362 2408 59.00 30 2407 0 -5 -13.5
## 60 9/22/2014 2404 2418 2395 2400 23.00 30 2404 -4 -4 -14.0
## 61 9/23/2014 2397 2402 2371 2378 30.50 30 2400 -22 -20 -1.5
## 62 9/24/2014 2374 2388 2359 2376 28.05 30 2395 -20 2 7.5
## 63 9/25/2014 2379 2380 2334 2342 45.00 31 2389 -46 -36 9.5
## 64 9/26/2014 2344 2352 2326 2346 26.06 30 2385 -38 3 33.0

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## 65 9/29/2014 2349 2366 2341 2360 24.50 30 2382 -22 11 16.5
## 66 9/30/2014 2365 2376 2349 2358 27.50 30 2377 -18 -6 0.5
## [1] ""
## [1] "RDSB.L.csv"
##      Date Open High Low Close   tr atr  MA diff  OC   Tog
## 57 9/17/2014 2509 2509 2481 2484 28.00 33 2513 -28 -24 4.00
## 58 9/18/2014 2490 2504 2472 2494 32.00 33 2507 -13 4 2.50
## 59 9/19/2014 2502 2522 2498 2505 27.99 33 2501 4 2 -3.50
## 60 9/22/2014 2524 2525 2496 2500 29.50 32 2497 3 -24 -1.50
## 61 9/23/2014 2504 2504 2458 2463 46.00 33 2493 -30 -42 -11.50
## 62 9/24/2014 2462 2477 2446 2463 31.37 33 2487 -24 1 9.63
## 63 9/25/2014 2468 2470 2419 2428 51.00 34 2480 -52 -40 10.00
## 64 9/26/2014 2434 2440 2407 2435 33.40 34 2475 -40 2 34.50
## 65 9/29/2014 2439 2453 2429 2449 24.00 34 2472 -23 10 19.00
## 66 9/30/2014 2450 2460 2432 2437 28.50 33 2466 -29 -14 5.50
## [1] ""
## [1] "RIO.L.csv"
##      Date Open High Low Close   tr atr  MA diff  OC   Tog
## 57 9/17/2014 3264 3274 3232 3240 42.50 60 3223 16 -24 9.00
## 58 9/18/2014 3230 3248 3202 3230 46.00 59 3222 8 0 -20.00
## 59 9/19/2014 3215 3220 3168 3179 62.00 59 3218 -39 -36 -2.00
## 60 9/22/2014 3130 3130 3052 3058 127.00 64 3202 -144 -72 71.50
## 61 9/23/2014 3110 3116 3057 3108 59.50 64 3190 -82 -2 73.50
## 62 9/24/2014 3160 3185 3120 3182 77.00 65 3187 -4 22 2.00
## 63 9/25/2014 3165 3168 3090 3105 92.50 67 3177 -72 -60 8.50
## 64 9/26/2014 3104 3130 3071 3090 58.58 66 3166 -76 -14 36.50
## 65 9/29/2014 3063 3070 3026 3051 64.50 66 3147 -96 -12 77.50
## 66 9/30/2014 3054 3073 3018 3032 54.92 65 3127 -96 -22 54.08
## [1] ""
## [1] "RRS.L.csv"
##      Date Open High Low Close   tr atr  MA diff  OC   Tog
## 57 9/17/2014 4562 4591 4535 4546 56.00 92 4682 -136 -16 91
## 58 9/18/2014 4525 4525 4414 4430 132.00 94 4630 -200 -95 105
## 59 9/19/2014 4369 4422 4351 4355 79.00 93 4592 -237 -14 170
## 60 9/22/2014 4321 4335 4261 4265 94.00 93 4548 -283 -56 213
## 61 9/23/2014 4287 4349 4252 4312 97.03 94 4508 -196 25 159
## 62 9/24/2014 4340 4365 4314 4327 53.00 91 4469 -142 -13 104
## 63 9/25/2014 4292 4292 4163 4249 164.00 96 4429 -180 -43 137
## 64 9/26/2014 4253 4344 4195 4214 149.00 100 4388 -174 -39 44
## 65 9/29/2014 4215 4252 4183 4249 69.00 98 4349 -100 34 97
## 66 9/30/2014 4215 4257 4159 4209 98.00 98 4316 -107 -6 59
## [1] ""
## [1] "SAB.L.csv"
##      Date Open High Low Close   tr atr  MA diff  OC   Tog
## 57 9/17/2014 3650 3653 3572 3577 89.50 222 2137 1440 -74 1434.5
## 58 9/18/2014 3581 3592 3511 3537 81.00 212 2488 1049 -44 1023.0
## 59 9/19/2014 3560 3586 3537 3577 49.50 201 2842 735 16 695.0
## 60 9/22/2014 3565 3565 3492 3507 85.00 192 3190 317 -58 302.0
## 61 9/23/2014 3506 3506 3440 3446 67.00 184 3532 -86 -60 26.5
## 62 9/24/2014 3440 3490 3421 3484 69.34 175 3535 -50 45 45.0
## 63 9/25/2014 3496 3496 3405 3416 91.50 169 3535 -118 -80 38.5
## 64 9/26/2014 3420 3424 3372 3403 53.00 161 3535 -132 -17 110.5
## 65 9/29/2014 3404 3424 3378 3422 47.00 153 3503 -81 18 78.5
## 66 9/30/2014 3420 3442 3391 3428 51.50 146 3480 -52 8 37.5

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## [1] ""
## [1] "SDR.L.csv"
##      Date Open High Low Close      tr atr  MA diff  OC  Tog
## 57 9/17/2014 2420 2443 2415 2428 34.61 35 2437 -9 8 -5.61
## 58 9/18/2014 2430 2451 2430 2444 23.00 34 2436 8 14 -6.00
## 59 9/19/2014 2465 2513 2463 2466 69.00 37 2436 30 1 27.00
## 60 9/22/2014 2457 2474 2451 2459 23.00 36 2438 21 2 13.00
## 61 9/23/2014 2463 2463 2363 2363 100.00 40 2431 -68 -100 -32.00
## 62 9/24/2014 2360 2391 2336 2391 55.00 41 2426 -35 31 35.00
## 63 9/25/2014 2384 2403 2380 2393 23.32 40 2423 -30 9 20.00
## 64 9/26/2014 2394 2411 2376 2407 35.00 40 2419 -12 13 8.00
## 65 9/29/2014 2403 2421 2396 2403 25.00 39 2416 -13 0 -5.00
## 66 9/30/2014 2409 2410 2373 2391 37.00 39 2414 -23 -18 4.00
## [1] ""
## [1] "SHP.L.csv"
##      Date Open High Low Close      tr atr  MA diff  OC  Tog
## 57 9/17/2014 5285 5338 5265 5335 72.67 80 5204 131 50 61.00
## 58 9/18/2014 5320 5365 5295 5320 70.00 80 5234 86 0 61.00
## 59 9/19/2014 5365 5380 5280 5290 100.00 81 5260 30 -75 20.00
## 60 9/22/2014 5250 5305 5215 5230 89.80 82 5270 -40 -20 -34.80
## 61 9/23/2014 5025 5155 4884 5100 346.00 101 5256 -156 75 101.01
## 62 9/24/2014 5075 5205 5070 5185 135.00 103 5254 -69 110 49.00
## 63 9/25/2014 5210 5290 5103 5240 187.15 109 5256 -16 30 -34.00
## 64 9/26/2014 5205 5425 5169 5330 256.07 120 5260 70 125 -91.07
## 65 9/29/2014 5315 5400 5270 5365 130.00 120 5268 97 50 2.00
## 66 9/30/2014 5360 5370 5234 5340 136.38 121 5274 66 -20 -40.38
## [1] ""
## [1] "SSE.L.csv"
##      Date Open High Low Close      tr atr  MA diff  OC  Tog
## 57 9/17/2014 1500 1502 1489 1497 12.77 21 1484 13 -3 5.44
## 58 9/18/2014 1497 1523 1490 1521 32.69 22 1486 35 24 4.00
## 59 9/19/2014 1562 1573 1523 1523 52.01 24 1488 35 -39 35.00
## 60 9/22/2014 1523 1539 1515 1530 24.09 24 1493 37 7 22.00
## 61 9/23/2014 1532 1534 1506 1509 27.80 24 1498 11 -23 8.00
## 62 9/24/2014 1511 1535 1507 1530 27.58 24 1507 23 19 0.42
## 63 9/25/2014 1533 1537 1522 1526 14.90 24 1511 15 -7 11.00
## 64 9/26/2014 1527 1533 1520 1522 12.90 23 1514 8 -5 6.10
## 65 9/29/2014 1522 1540 1512 1539 27.90 23 1519 20 17 -6.90
## 66 9/30/2014 1540 1553 1539 1547 14.00 23 1524 23 7 15.00
## [1] ""
## [1] "SVT.L.csv"
##      Date Open High Low Close      tr atr  MA diff  OC  Tog
## 57 9/17/2014 1940 1941 1916 1917 24.8 27 1960 -43 -23 19.2
## 58 9/18/2014 1917 1926 1876 1922 50.0 28 1954 -32 5 28.0
## 59 9/19/2014 1939 1961 1930 1941 39.0 29 1948 -7 2 -13.0
## 60 9/22/2014 1940 1951 1924 1935 27.0 29 1944 -9 -5 -7.0
## 61 9/23/2014 1937 1937 1878 1882 59.0 31 1937 -55 -55 0.0
## 62 9/24/2014 1878 1889 1864 1888 25.0 31 1929 -41 10 40.0
## 63 9/25/2014 1892 1905 1858 1867 47.0 32 1920 -53 -25 15.0
## 64 9/26/2014 1869 1881 1860 1874 21.0 31 1912 -38 5 31.0
## 65 9/29/2014 1875 1878 1855 1877 23.0 30 1904 -27 2 26.0
## 66 9/30/2014 1886 1888 1873 1877 15.0 29 1898 -21 -9 10.0
## [1] ""
## [1] "TPK.L.csv"

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##          Date Open High  Low Close tr atr  MA diff  OC Tog
## 57 9/17/2014 1645 1667 1637 1655 30 26 1679 -24 10 12
## 58 9/18/2014 1655 1703 1654 1697 49 27 1677 20 42 -23
## 59 9/19/2014 1715 1746 1715 1720 49 29 1679 41 5 36
## 60 9/22/2014 1711 1722 1704 1714 18 28 1682 32 3 22
## 61 9/23/2014 1722 1722 1678 1690 44 29 1682 8 -32 -4
## 62 9/24/2014 1679 1700 1675 1700 25 29 1684 16 21 -9
## 63 9/25/2014 1697 1713 1665 1667 48 30 1684 -17 -30 -29
## 64 9/26/2014 1667 1675 1631 1665 44 31 1682 -17 -2 7
## 65 9/29/2014 1665 1692 1653 1687 39 32 1684 3 22 -31
## 66 9/30/2014 1685 1688 1649 1664 39 32 1686 -22 -21 -2
## [1] ""
## [1] "ULVR.L.csv"
##          Date Open High  Low Close tr atr  MA diff  OC Tog
## 57 9/17/2014 2678 2685 2610 2619 75.00 34 2698 -79 -59 13.00
## 58 9/18/2014 2611 2612 2585 2612 34.00 34 2686 -74 1 74.00
## 59 9/19/2014 2620 2632 2604 2604 28.37 34 2674 -70 -16 41.63
## 60 9/22/2014 2602 2607 2594 2601 13.36 32 2661 -60 -1 53.64
## 61 9/23/2014 2606 2608 2563 2575 45.00 33 2648 -73 -31 40.00
## 62 9/24/2014 2562 2585 2552 2584 33.36 33 2636 -52 22 51.00
## 63 9/25/2014 2578 2584 2547 2552 37.00 34 2622 -70 -26 38.00
## 64 9/26/2014 2555 2572 2540 2563 32.30 34 2609 -46 8 37.00
## 65 9/29/2014 2564 2576 2536 2561 39.95 34 2596 -35 -3 20.00
## 66 9/30/2014 2561 2590 2555 2585 35.00 34 2586 -1 24 -4.00
## [1] ""
## [1] "WEIR.L.csv"
##          Date Open High  Low Close tr atr  MA diff  OC Tog
## 57 9/17/2014 2648 2660 2620 2634 40 48 2691 -57 -14 31
## 58 9/18/2014 2631 2641 2624 2630 17 46 2680 -50 -1 39
## 59 9/19/2014 2690 2701 2640 2640 71 48 2672 -32 -50 -29
## 60 9/22/2014 2626 2631 2591 2593 49 48 2663 -70 -33 32
## 61 9/23/2014 2584 2591 2510 2515 83 50 2646 -131 -69 55
## 62 9/24/2014 2512 2522 2487 2514 35 49 2627 -113 2 105
## 63 9/25/2014 2519 2558 2506 2521 52 49 2607 -86 2 49
## 64 9/26/2014 2515 2551 2500 2545 51 49 2591 -46 30 40
## 65 9/29/2014 2547 2555 2508 2541 47 49 2578 -37 -6 23
## 66 9/30/2014 2554 2554 2466 2502 88 52 2564 -62 -52 10
## [1] ""
## [1] "WOS.L.csv"
##          Date Open High  Low Close tr atr  MA diff  OC Tog
## 57 9/17/2014 3253 3302 3247 3282 55.00 42 3265 17 29 -18.00
## 58 9/18/2014 3284 3362 3281 3362 81.00 45 3274 88 78 7.00
## 59 9/19/2014 3372 3394 3311 3315 83.00 47 3279 36 -57 32.00
## 60 9/22/2014 3311 3343 3302 3343 41.00 47 3289 54 32 13.00
## 61 9/23/2014 3347 3347 3255 3270 92.00 50 3286 -16 -77 -61.00
## 62 9/24/2014 3273 3323 3255 3320 68.00 51 3292 28 47 -37.00
## 63 9/25/2014 3300 3336 3259 3266 77.00 53 3294 -28 -34 -42.00
## 64 9/26/2014 3275 3290 3232 3276 58.00 54 3294 -18 1 4.00
## 65 9/29/2014 3261 3285 3239 3257 45.89 53 3294 -37 -4 9.11
## 66 9/30/2014 3265 3324 3226 3242 98.00 56 3293 -51 -23 -31.00
## [1] ""
## [1] "WTB.L.csv"
##          Date Open High  Low Close tr atr  MA diff  OC Tog
## 57 9/17/2014 4210 4228 4173 4175 55.9 66 4324 -149 -35 96.1

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## 58 9/18/2014 4188 4264 4167 4264 97.0 68 4303 -39 76 39.0
## 59 9/19/2014 4300 4334 4257 4258 77.0 69 4281 -23 -42 -53.0
## 60 9/22/2014 4257 4265 4217 4248 48.0 68 4266 -18 -9 1.0
## 61 9/23/2014 4241 4250 4145 4155 105.0 70 4242 -87 -86 -8.0
## 62 9/24/2014 4169 4169 4106 4135 63.0 70 4218 -83 -34 49.0
## 63 9/25/2014 4141 4231 4125 4133 106.0 72 4199 -66 -8 -32.0
## 64 9/26/2014 4143 4167 4105 4149 62.0 72 4189 -40 6 22.0
## 65 9/29/2014 4151 4190 4146 4179 44.0 70 4187 -8 28 -3.0
## 66 9/30/2014 4188 4194 4142 4154 52.0 68 4185 -31 -34 -9.0
## [1] ""

```