

# Implied volatility for Apple options

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## Introduction

This document uses Optionmetrics data to examine Apple options from September 2013 to August 2014. The document is constructed using RMarkdown, and processed using RStudio. The original RMarkdown document is on Dropbox and available [here](#)

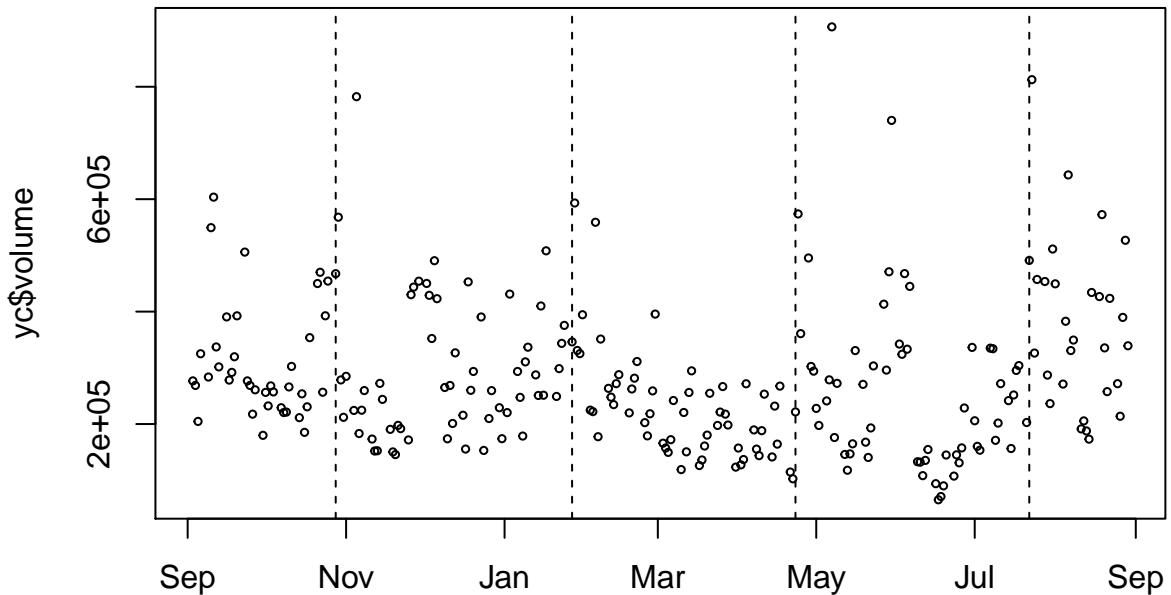
## Volume and Open Interest for Apple, Sept 2013 - August 2014

The following plots show option volume and open interest for Apple. The vertical lines in each plot mark earnings announcement dates.

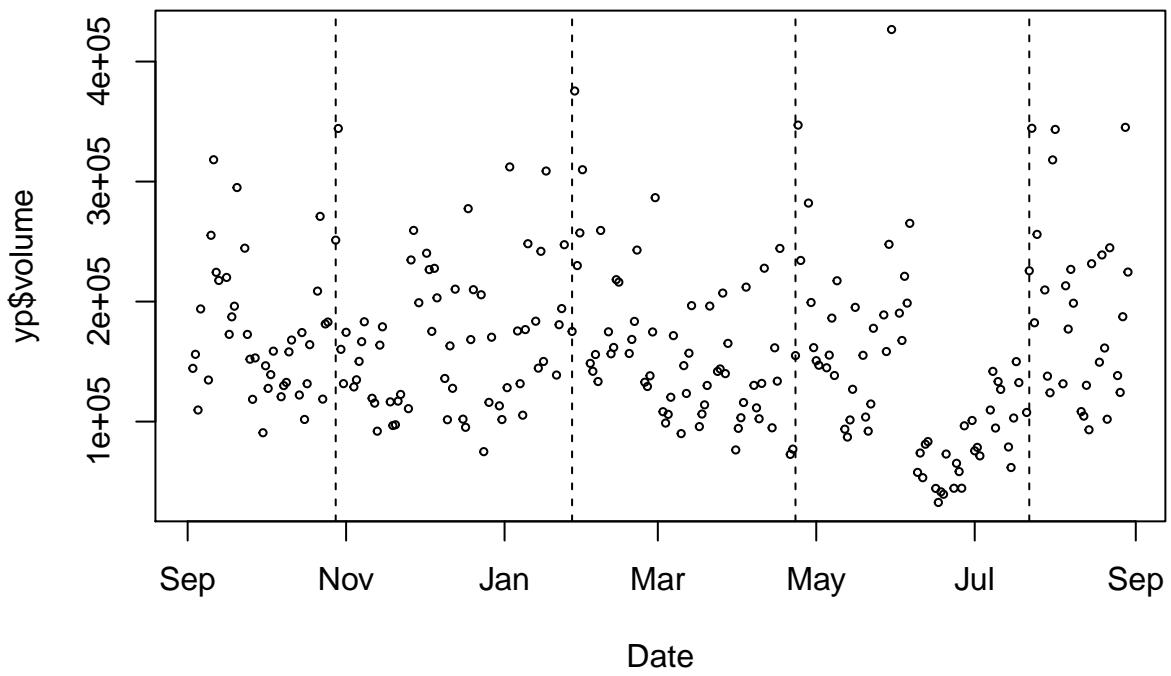
Apple shares split 7-for-1 on June 9, 2014. In order to provide continuity, the volume and open interest amounts are normalized by dividing by 7 after that date.

## Call and Put Option Volume

**Call Volume**

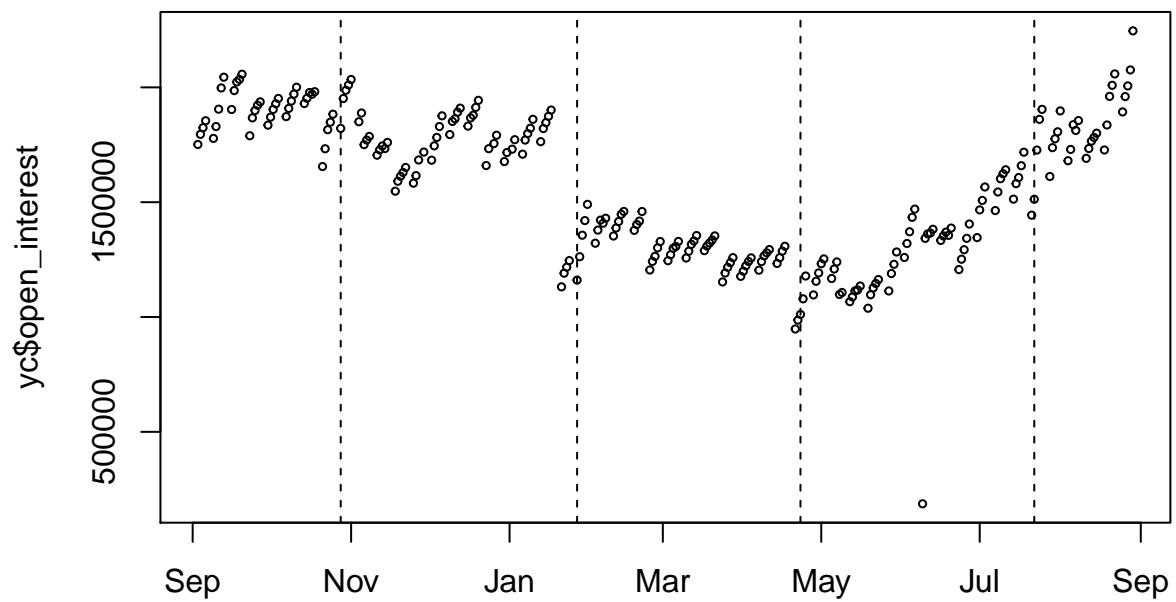


**Date  
Put Volume**

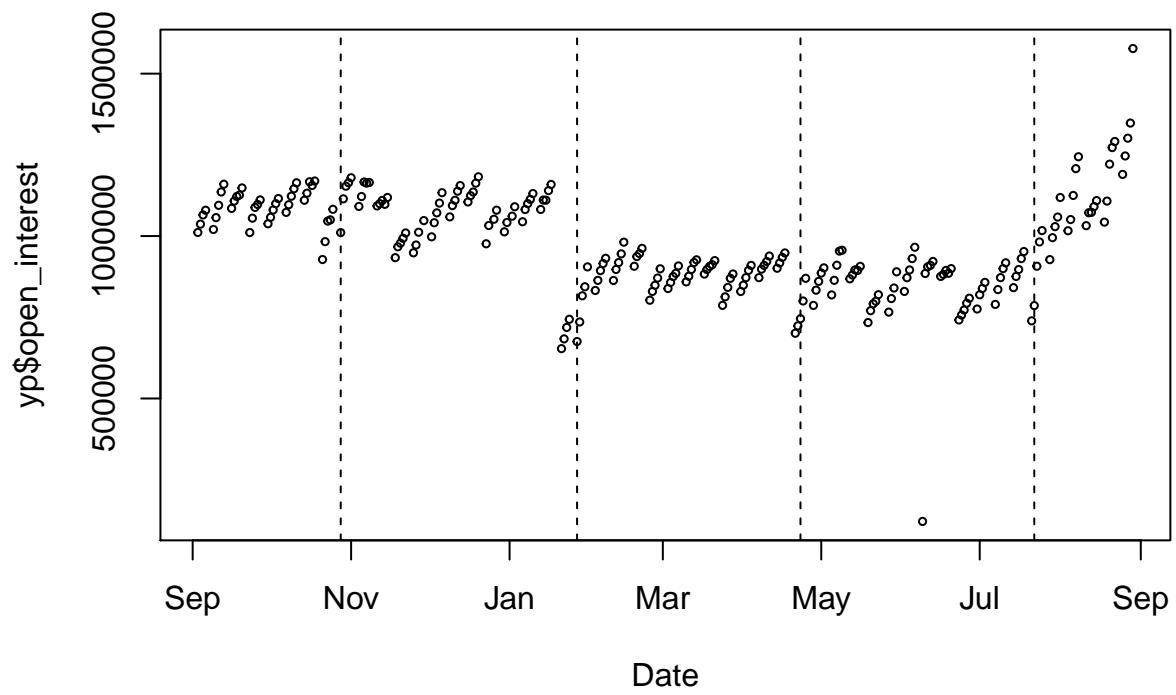


## Call and Put Open Interest

### Call Open Interest



### Put Open Interest



## Implied volatilities for Apple, Sept 2013 - August 2014

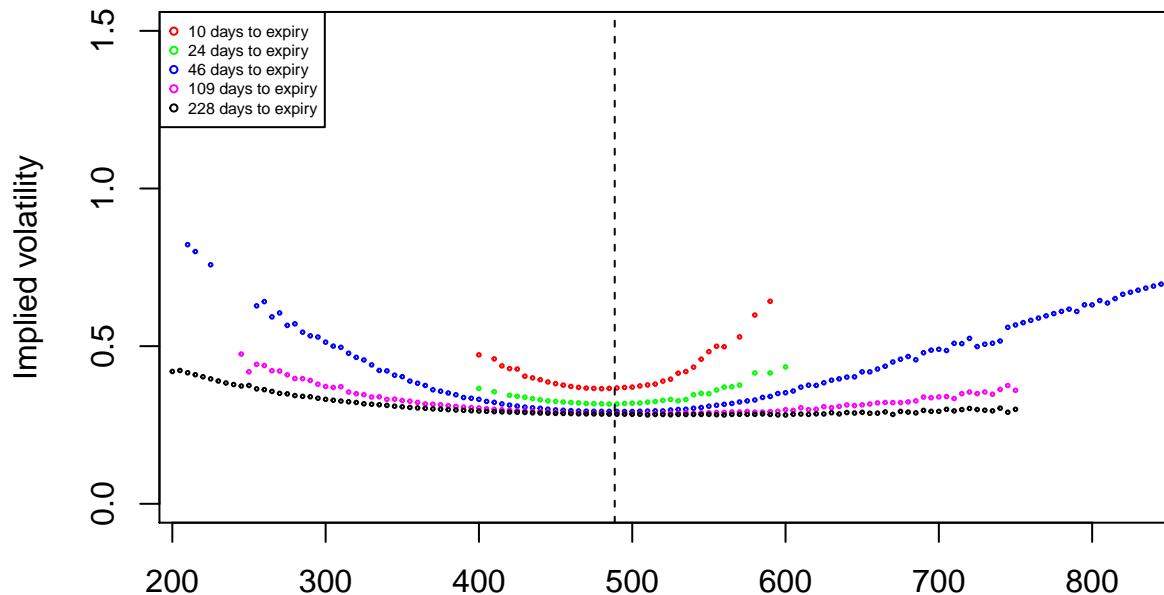
The following plots show implied volatilities for every day in the period. The plots show only implied volatilities for 5 sets of options. These are determined by sorting the existing times to expiration on each day, and plotting implied volatilities for the 2nd nearest expiration, 4th nearest, out to the 10th nearest time to expiration. There are always current week and following week options, so the nearest to expiration options have times to expiration varying from 7 to 11 days.

The dashed vertical line on each plot is that day's closing stock price.

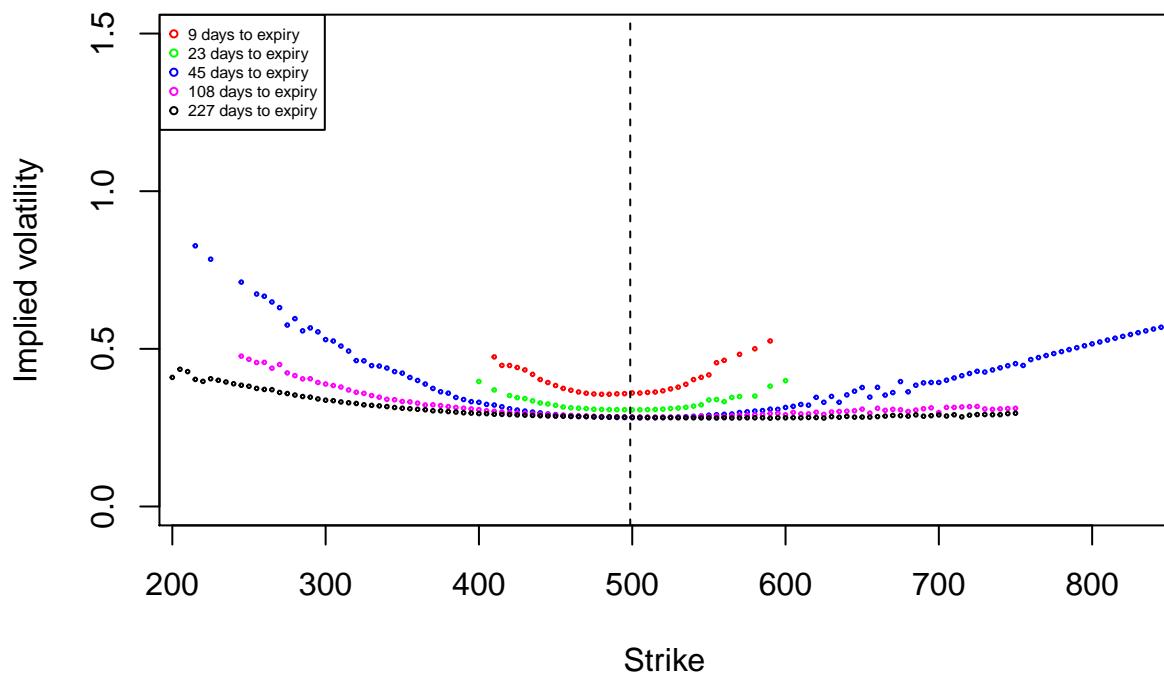
Earnings announcement dates for Apple were 2013-10-28, 2014-01-27, 2014-04-23 and 2014-07-22. These are noted in the plot title for those days.

September, 2013

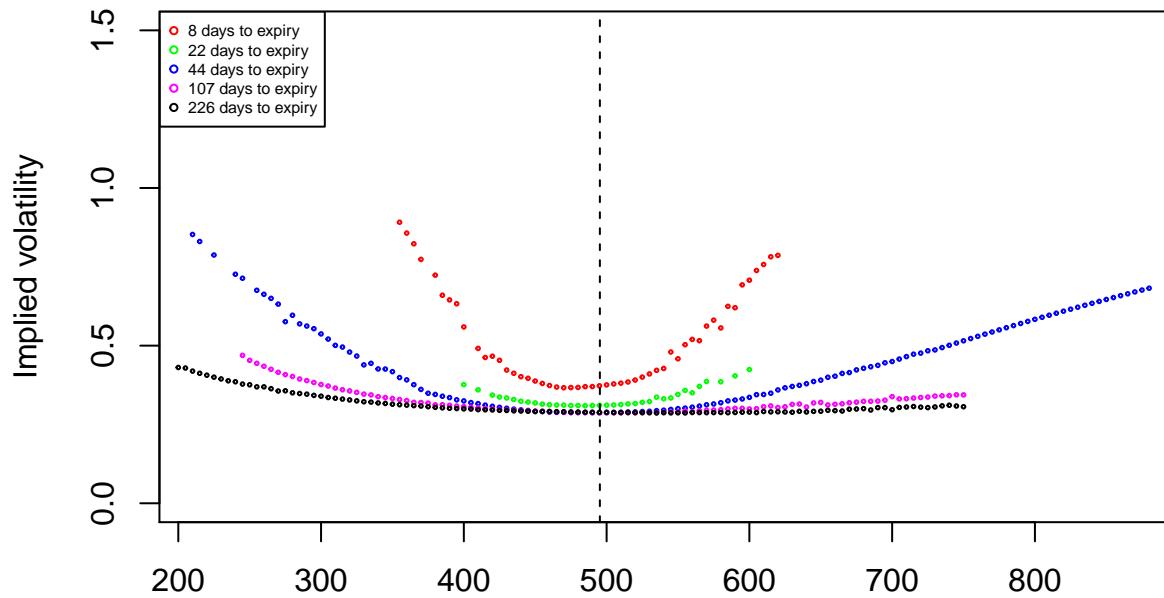
**Apple puts: 2013-09-03 (Price = 488.58)**



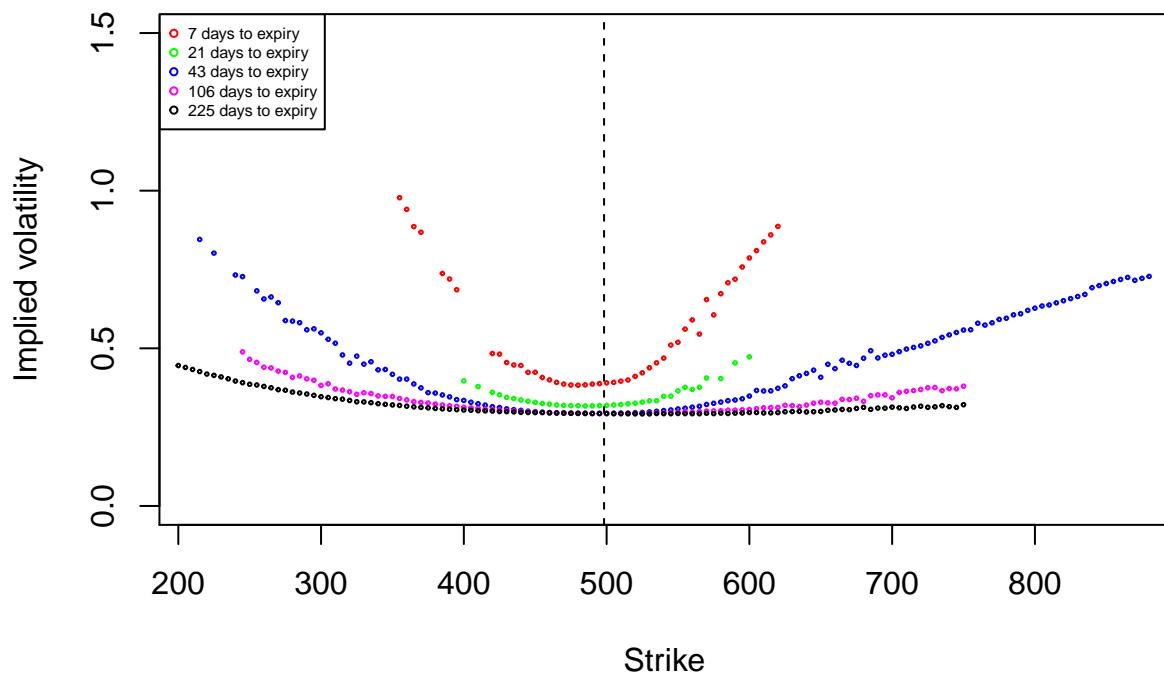
**Apple puts: 2013-09-04 (Price = 498.691)**



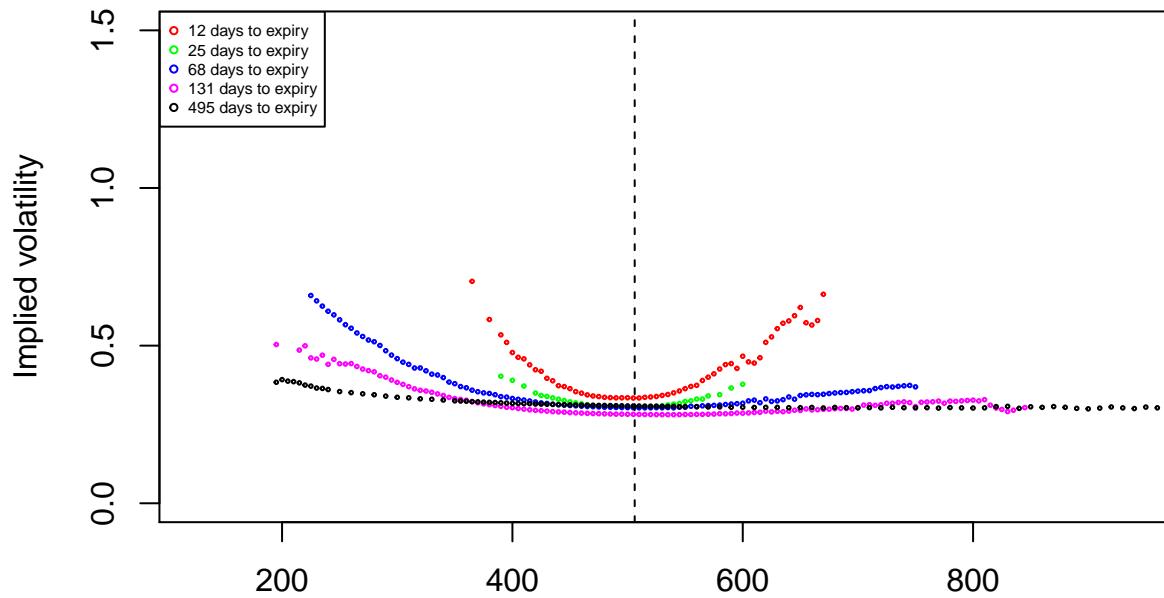
### Apple puts: 2013-09-05 (Price = 495.27)



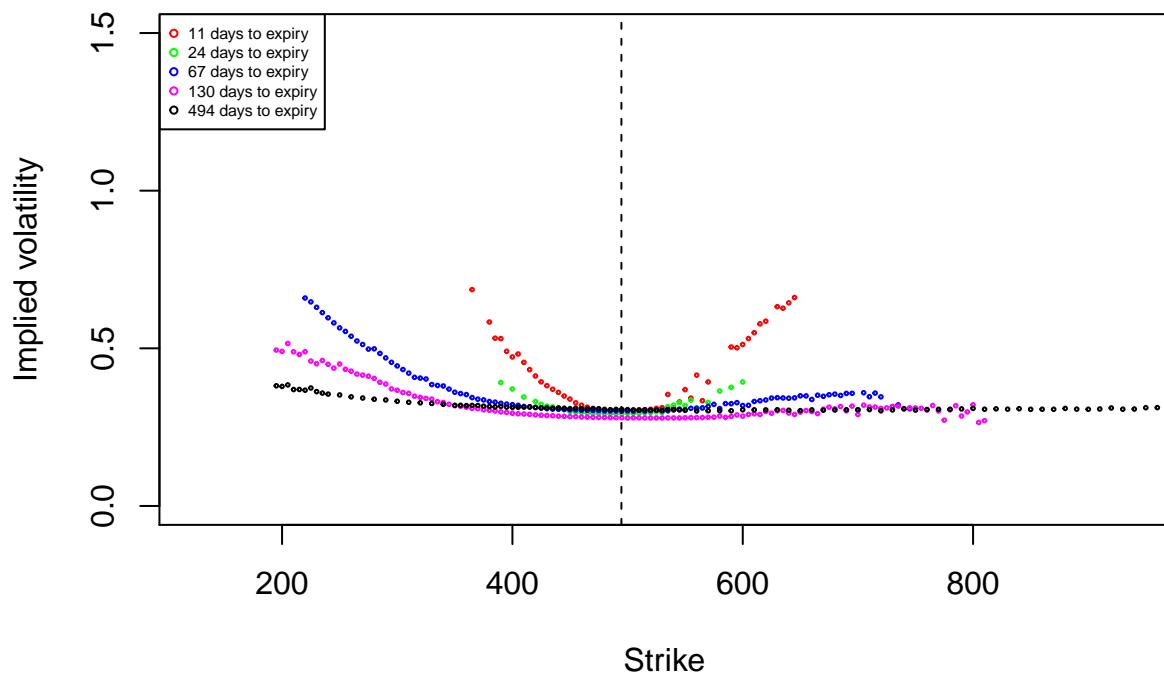
### Apple puts: 2013-09-06 (Price = 498.22)



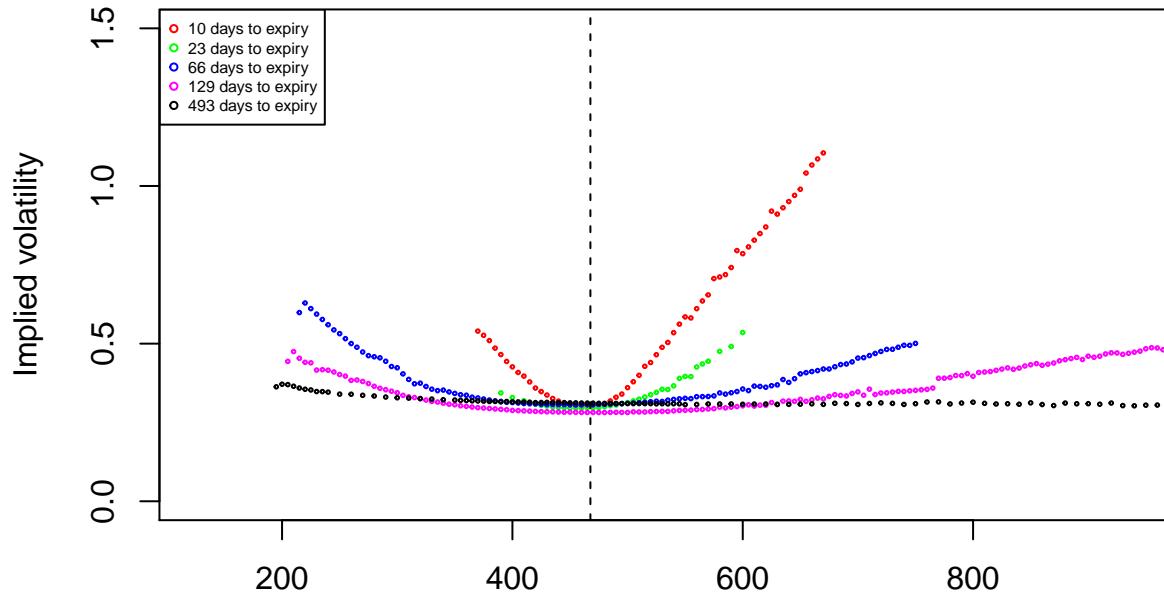
### Apple puts: 2013-09-09 (Price = 506.17)



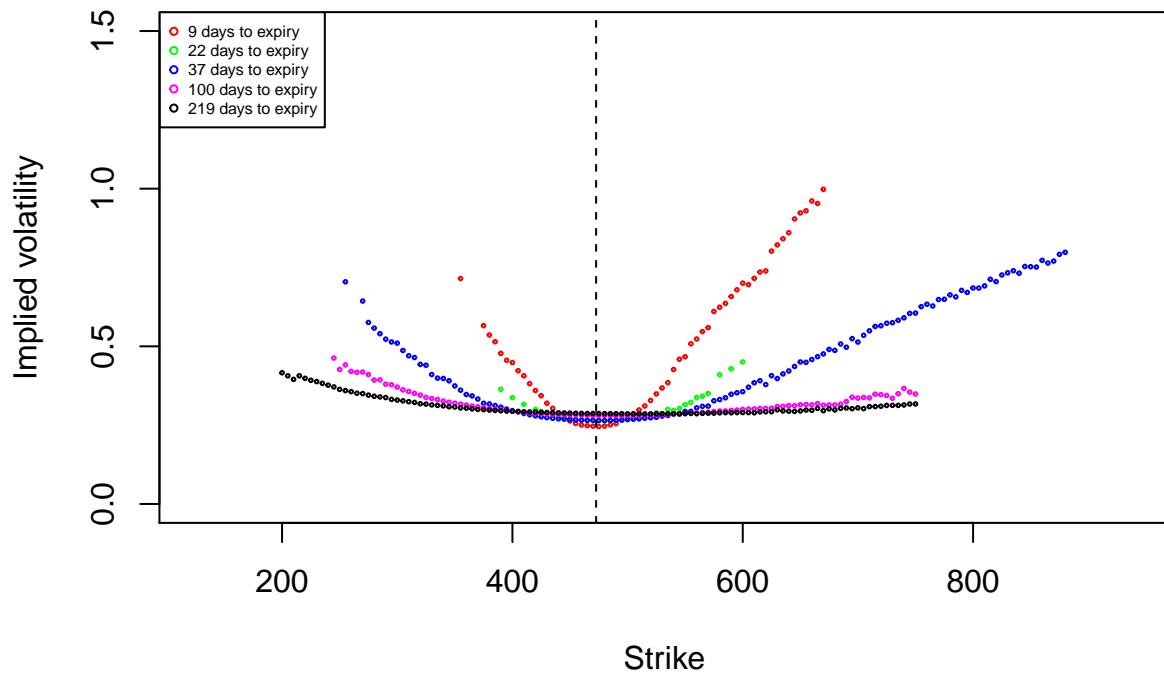
### Strike Apple puts: 2013-09-10 (Price = 494.64)



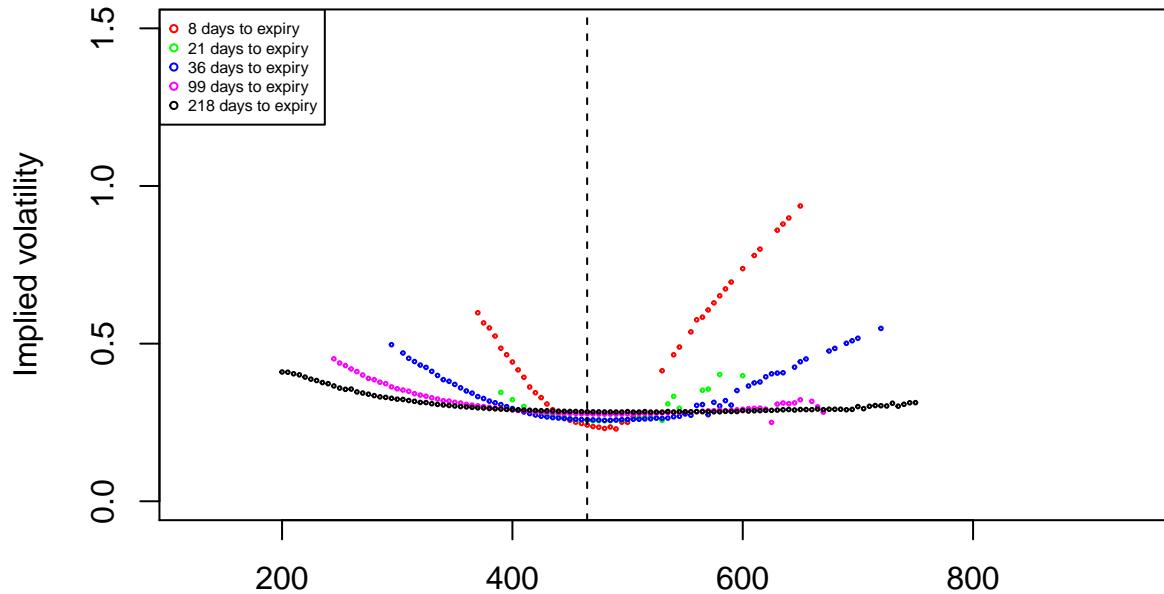
### Apple puts: 2013-09-11 (Price = 467.71)



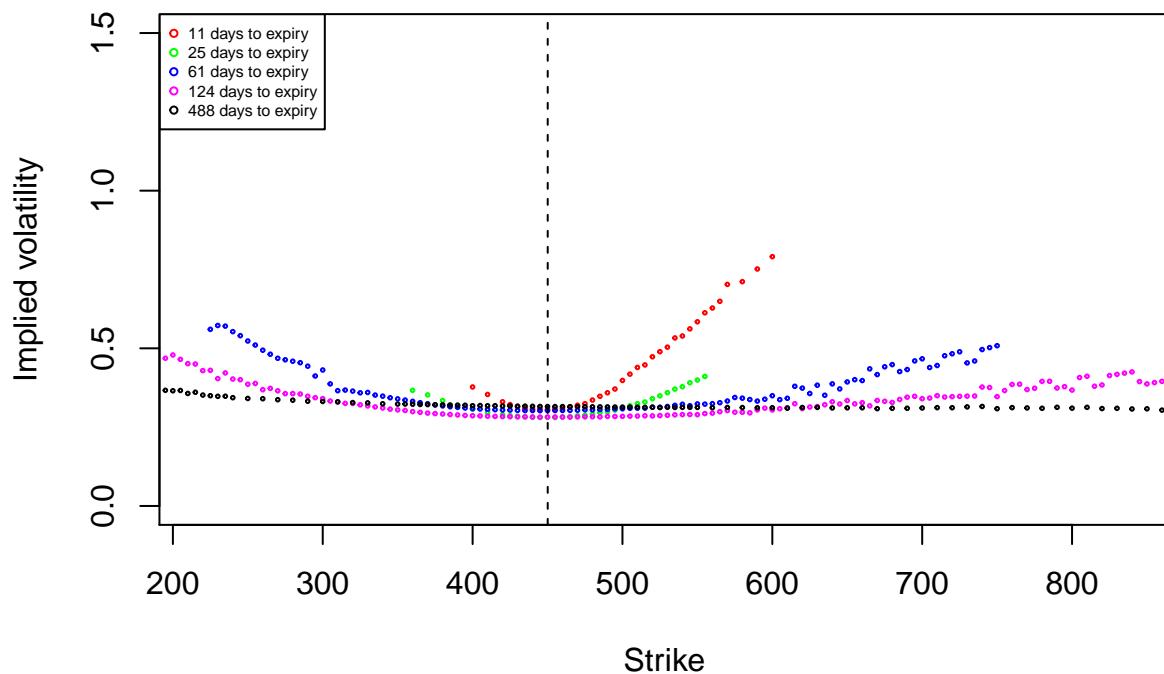
### Apple puts: 2013-09-12 (Price = 472.69)



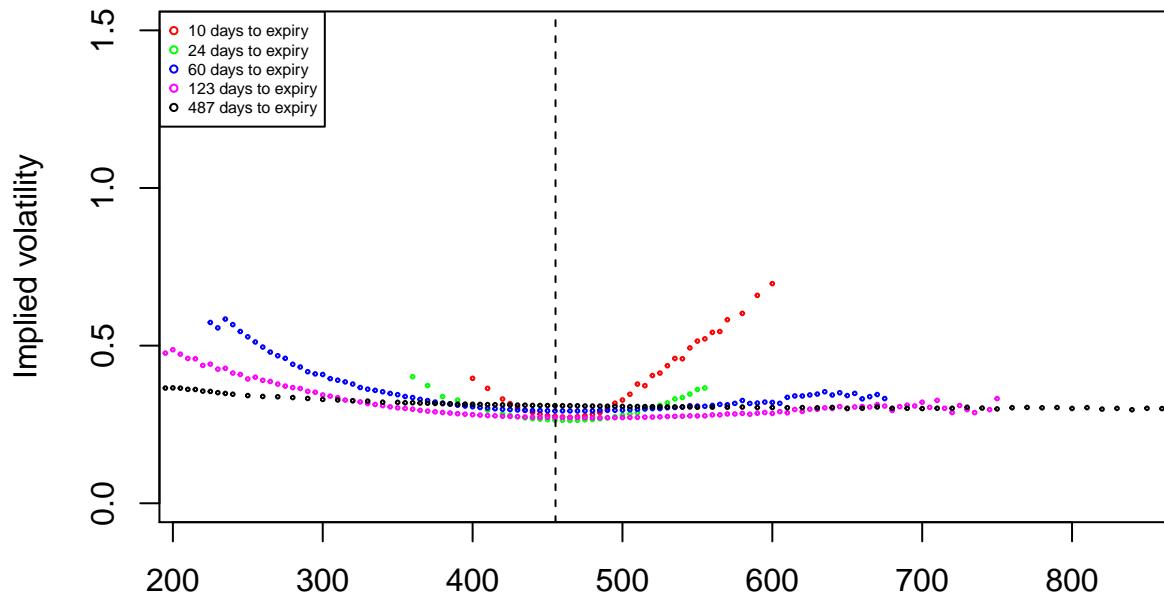
### Apple puts: 2013-09-13 (Price = 464.9)



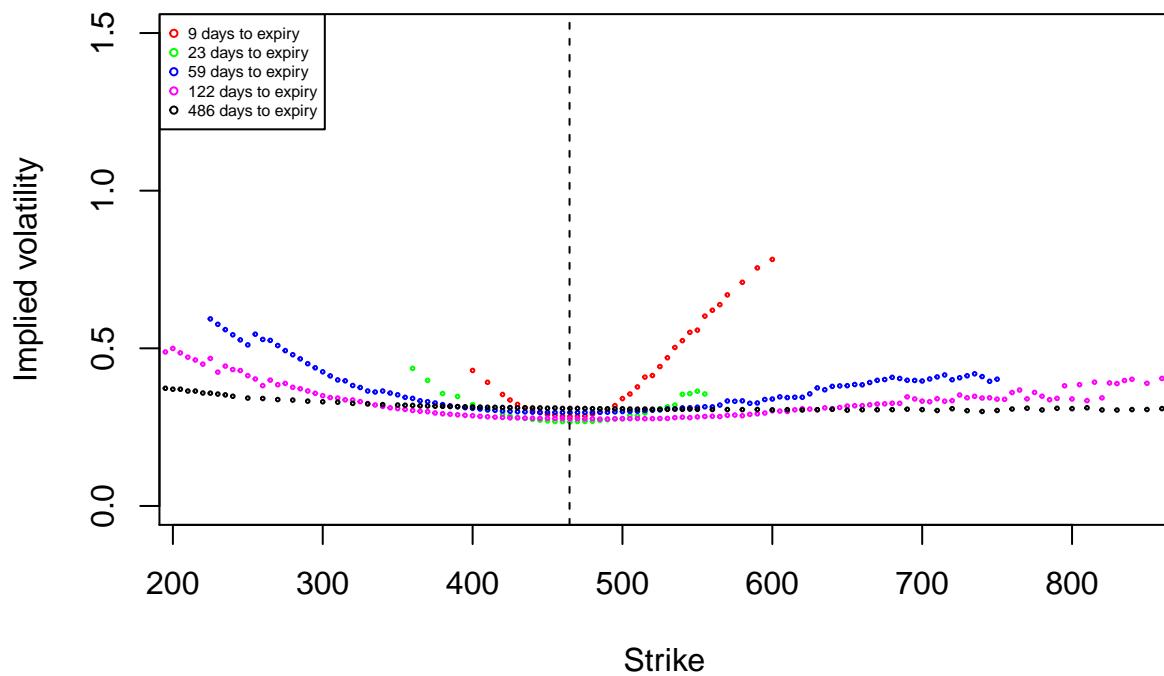
### Apple puts: 2013-09-16 (Price = 450.12)



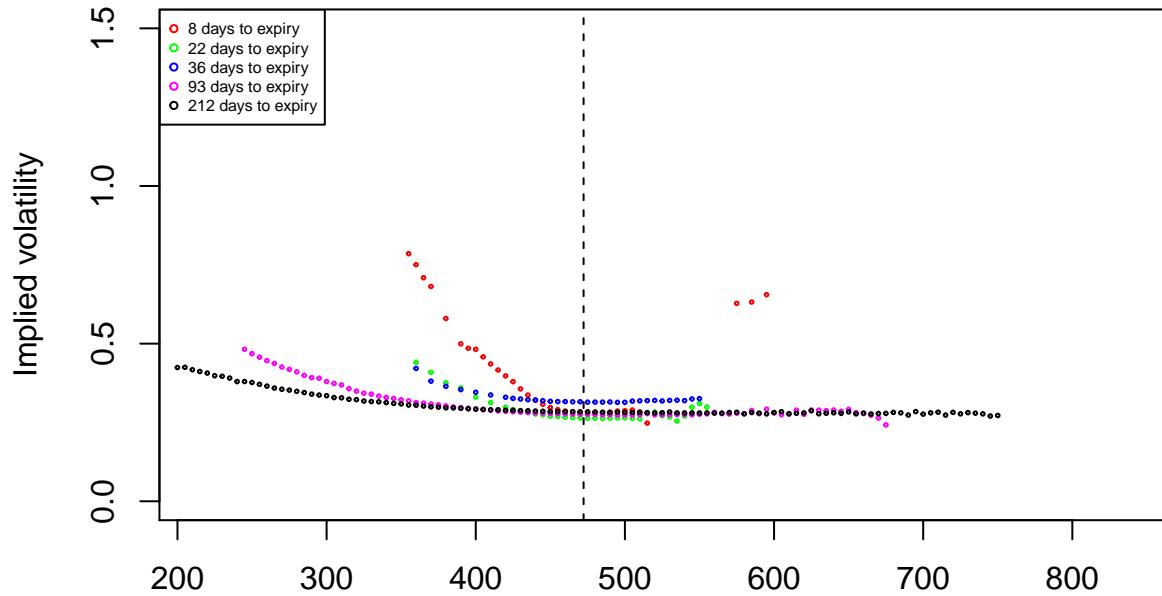
### Apple puts: 2013-09-17 (Price = 455.32)



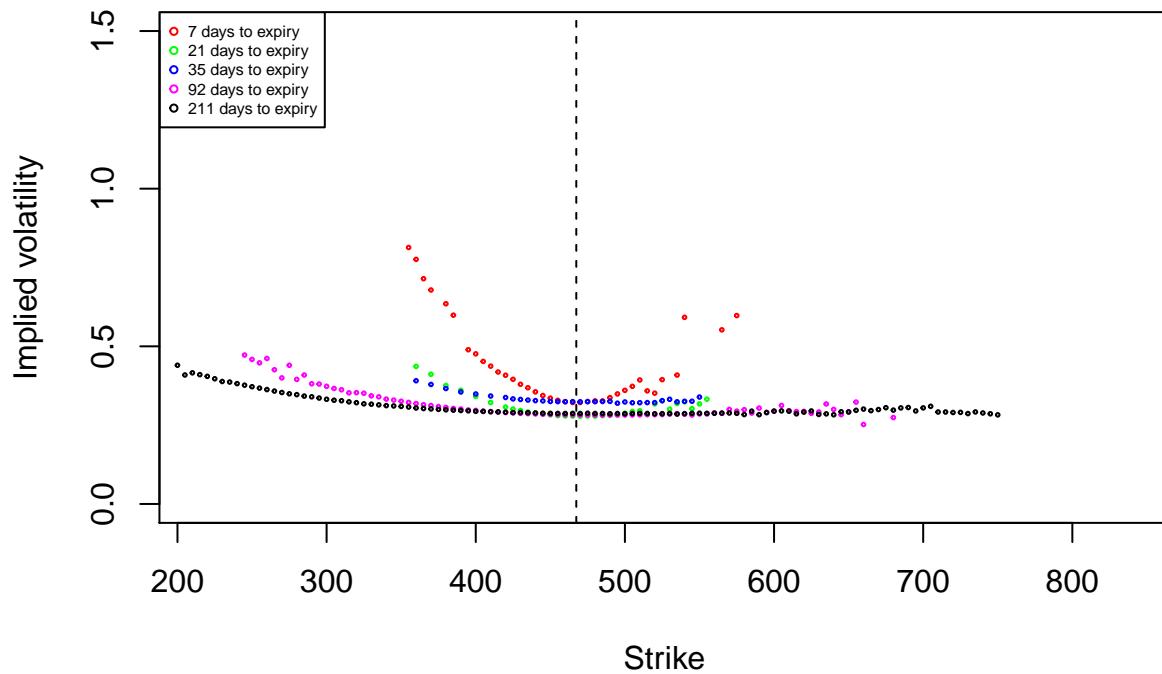
### Strike Apple puts: 2013-09-18 (Price = 464.68)



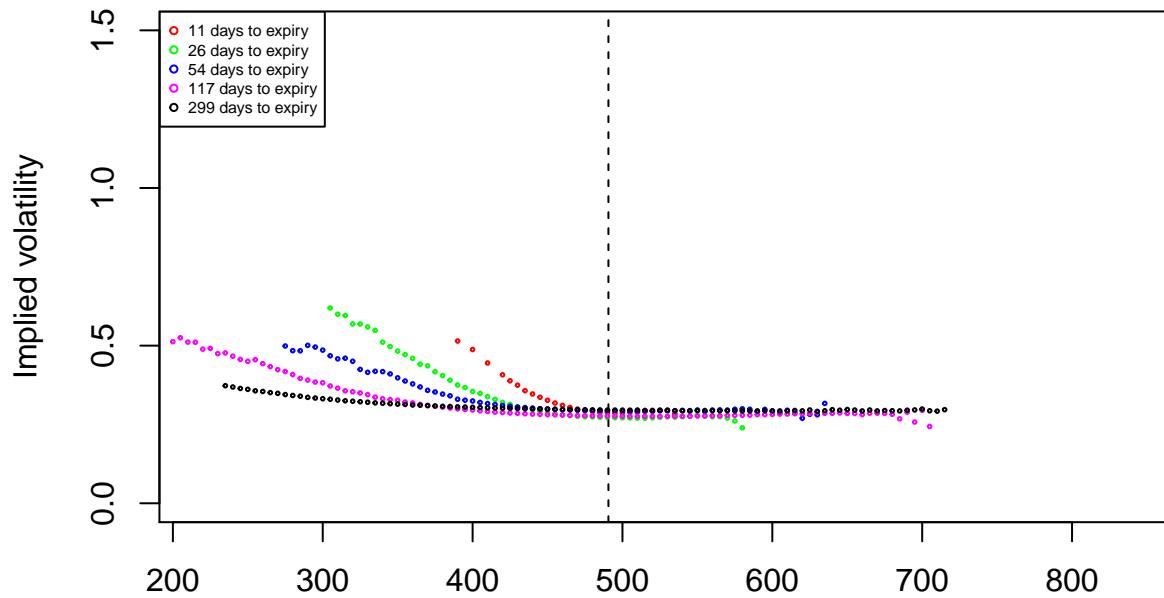
### Apple puts: 2013-09-19 (Price = 472.3)



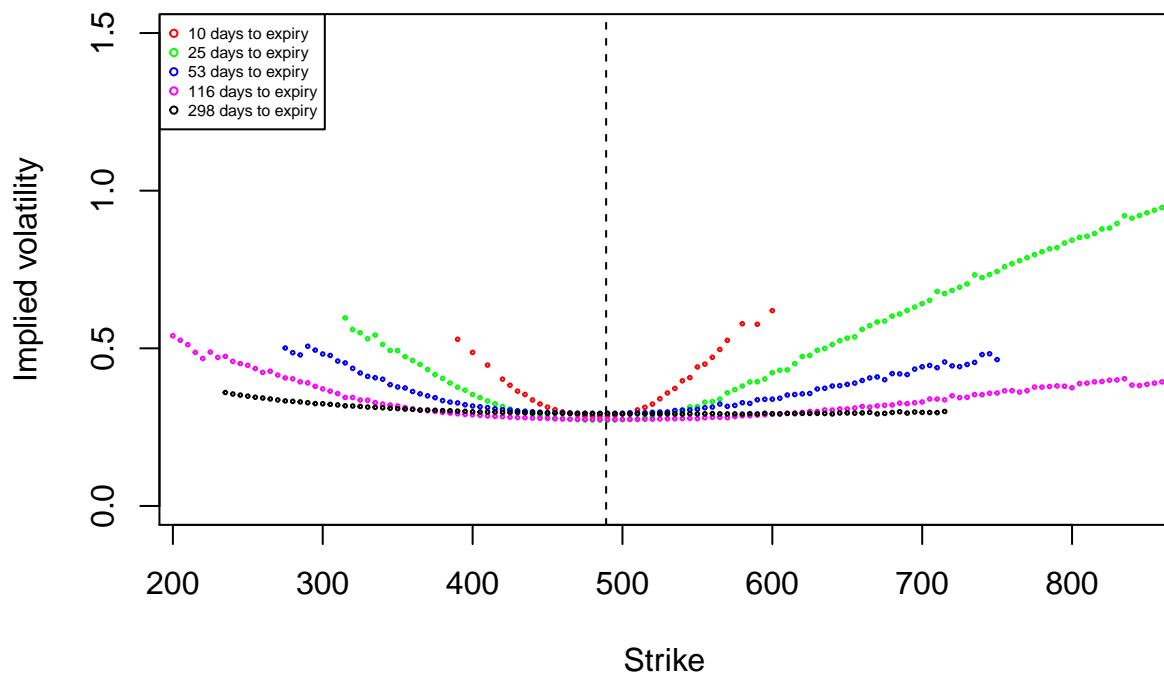
### Strike Apple puts: 2013-09-20 (Price = 467.41)



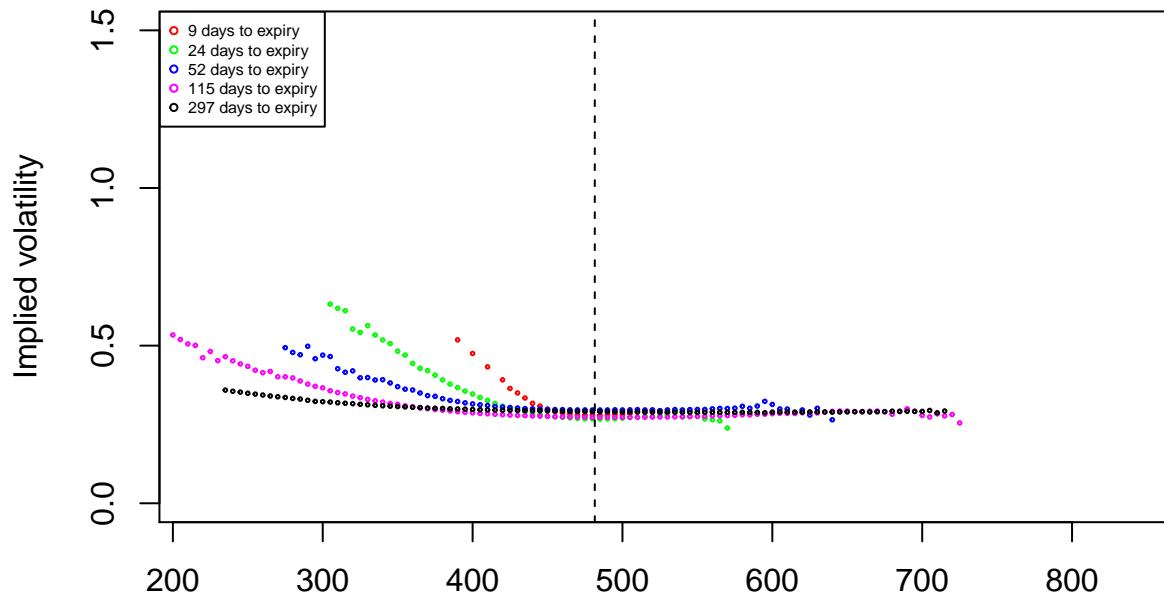
### Apple puts: 2013-09-23 (Price = 490.64)



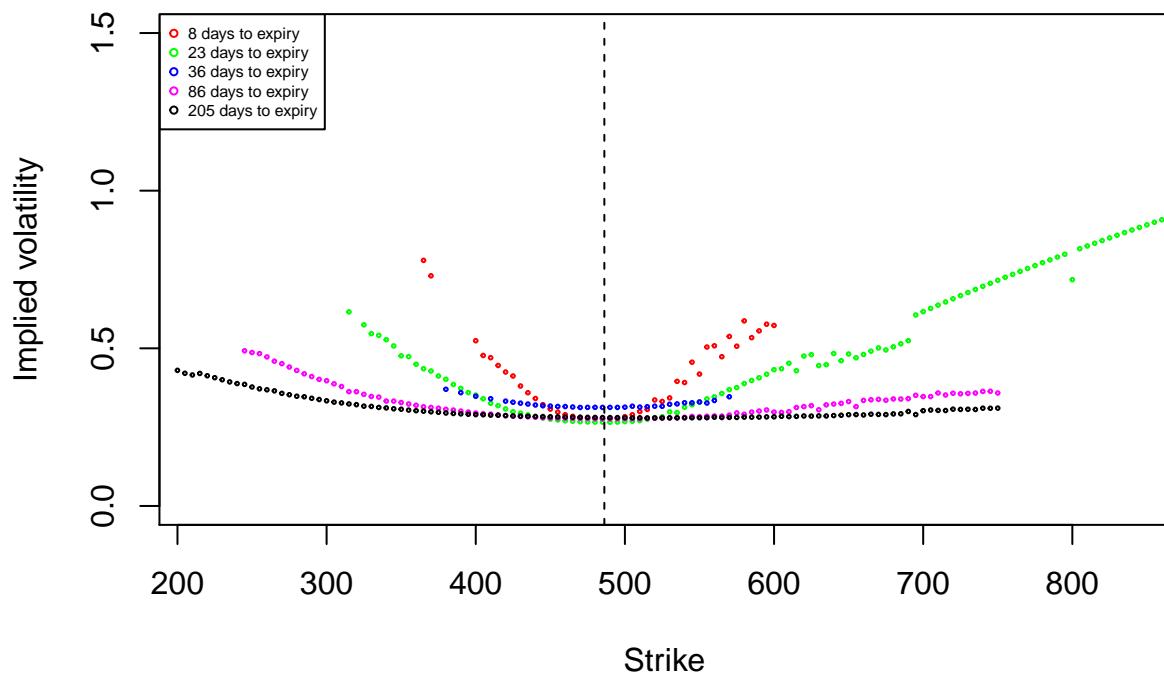
### Apple puts: 2013-09-24 (Price = 489.1)



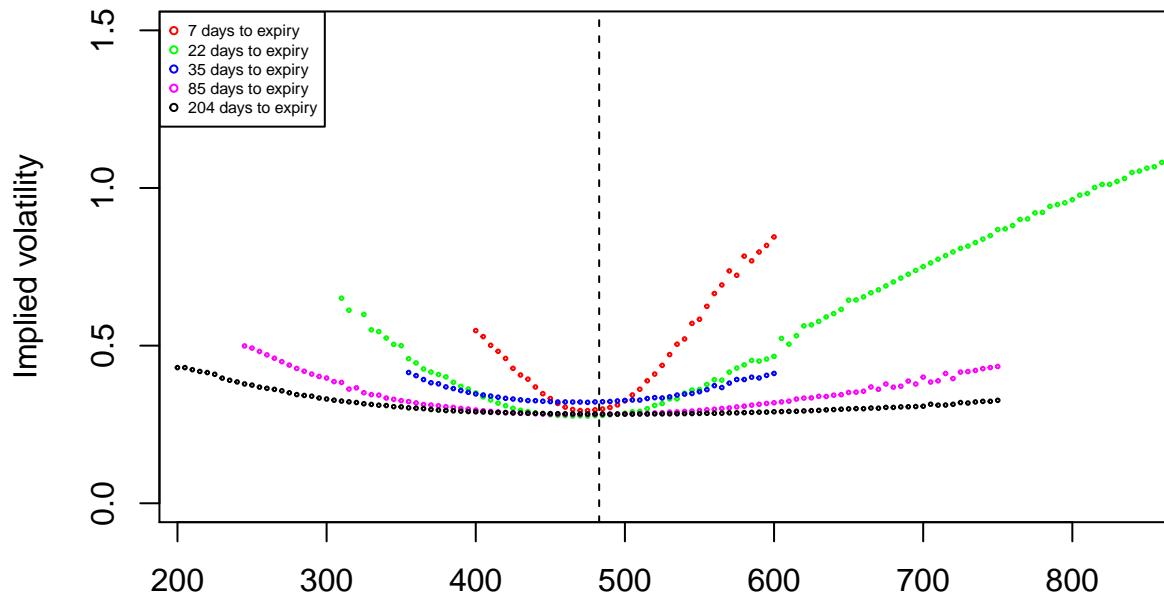
### Apple puts: 2013-09-25 (Price = 481.53)



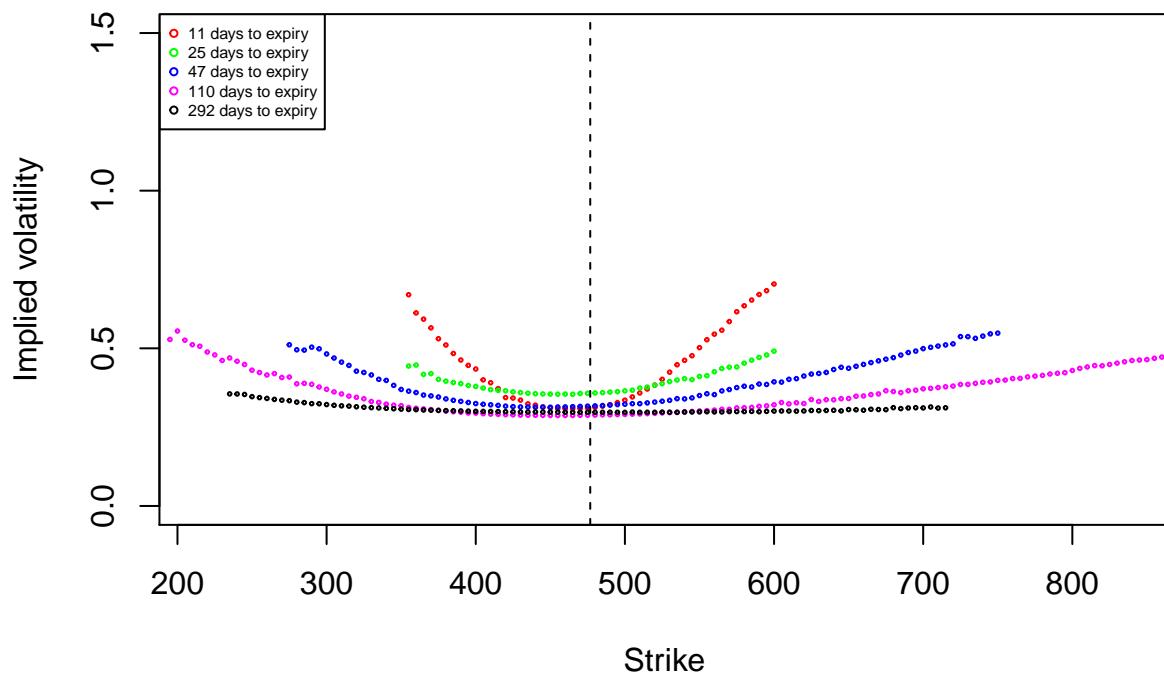
### Strike Apple puts: 2013-09-26 (Price = 486.22)



### Apple puts: 2013-09-27 (Price = 482.75)

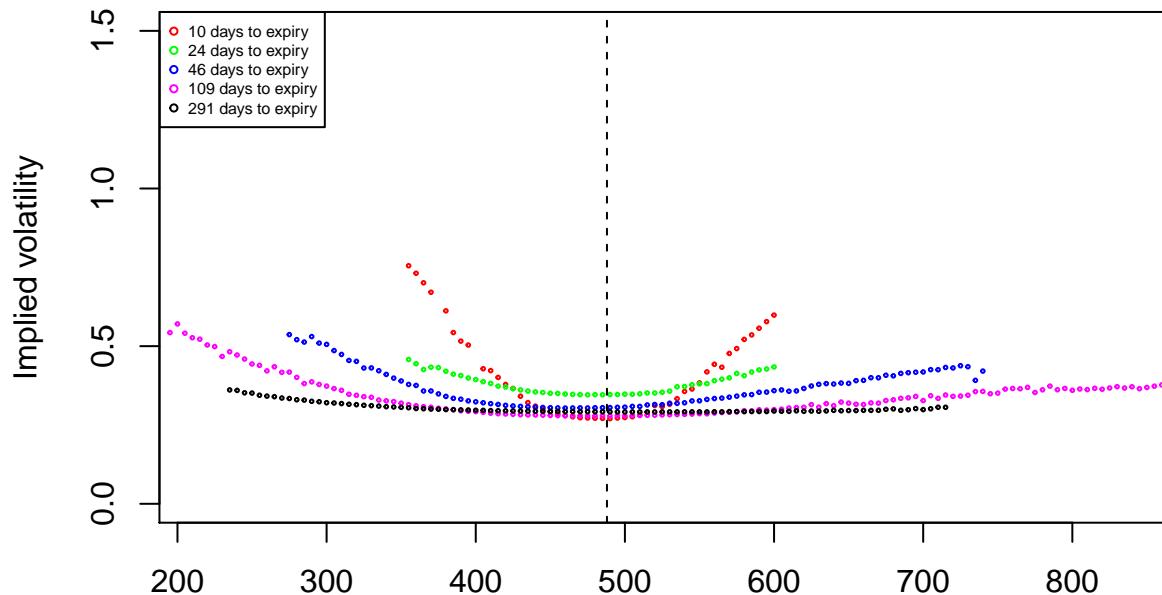


### Strike Apple puts: 2013-09-30 (Price = 476.75)

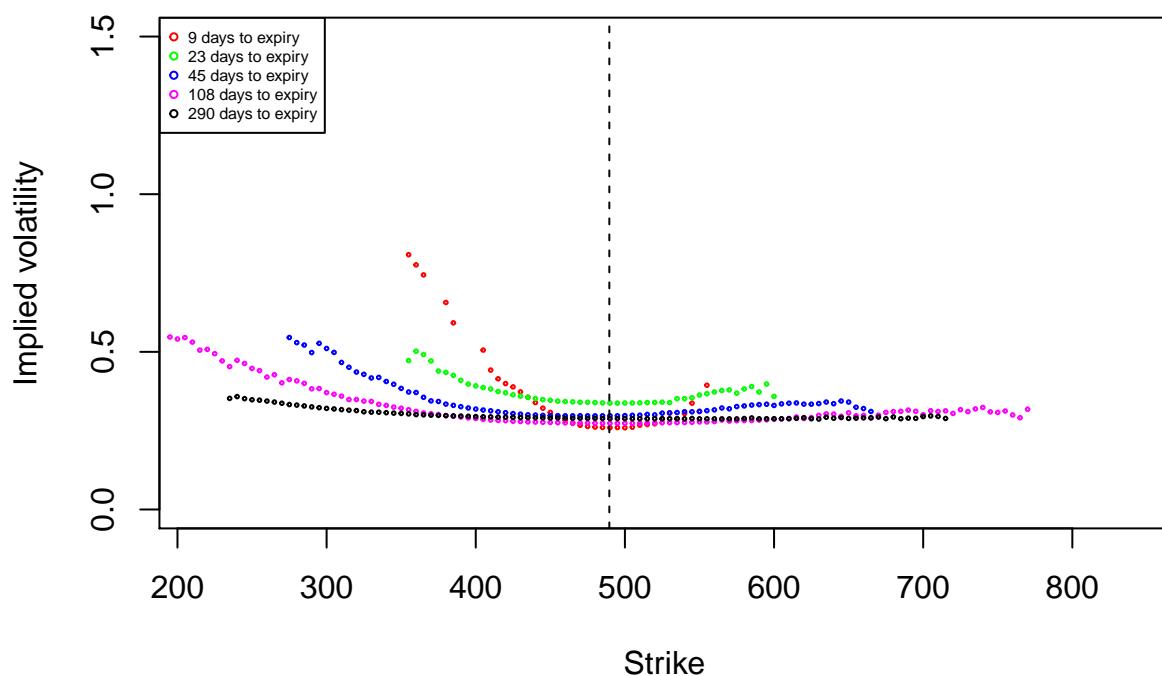


October, 2013

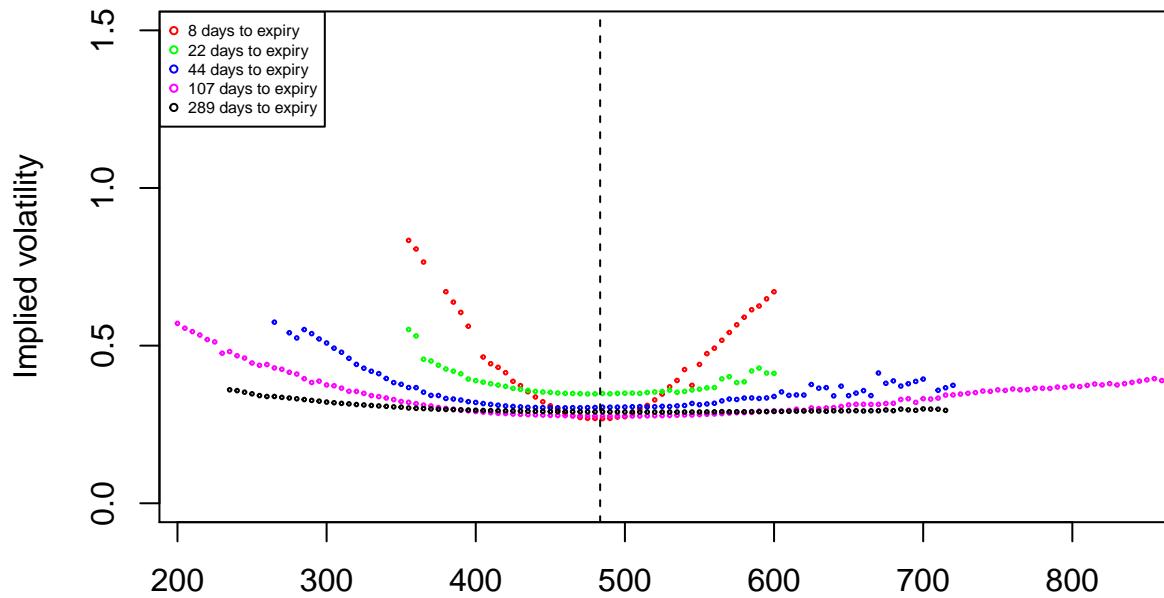
**Apple puts: 2013-10-01 (Price = 487.96)**



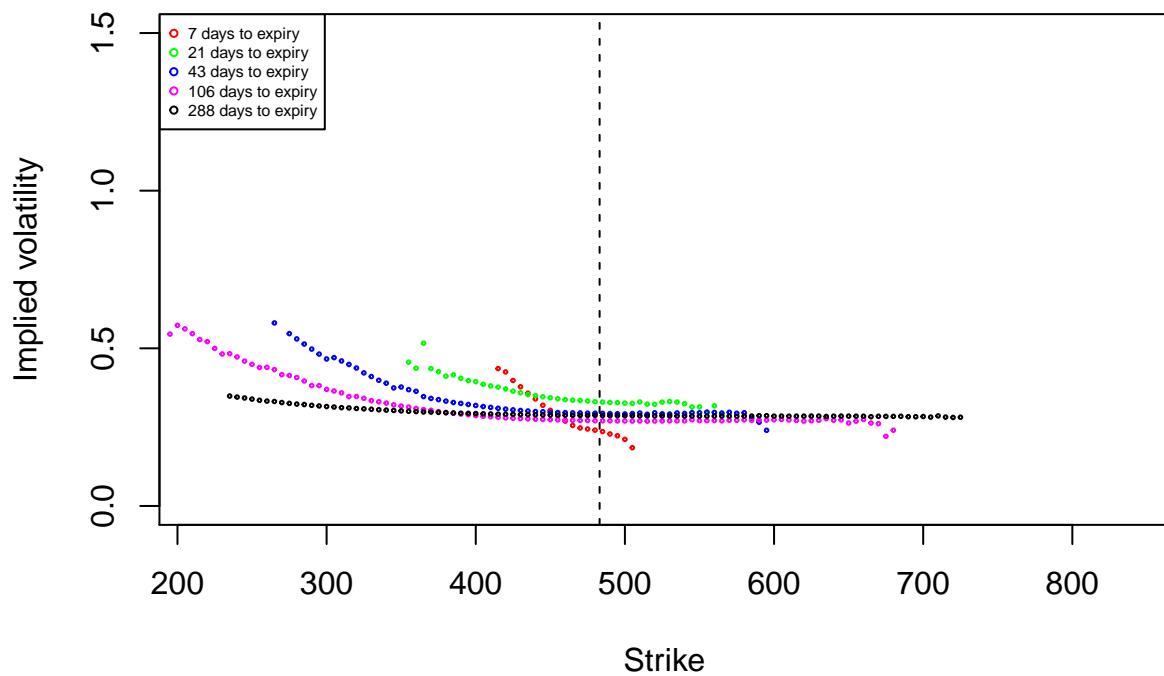
**Apple puts: 2013-10-02 (Price = 489.56)**



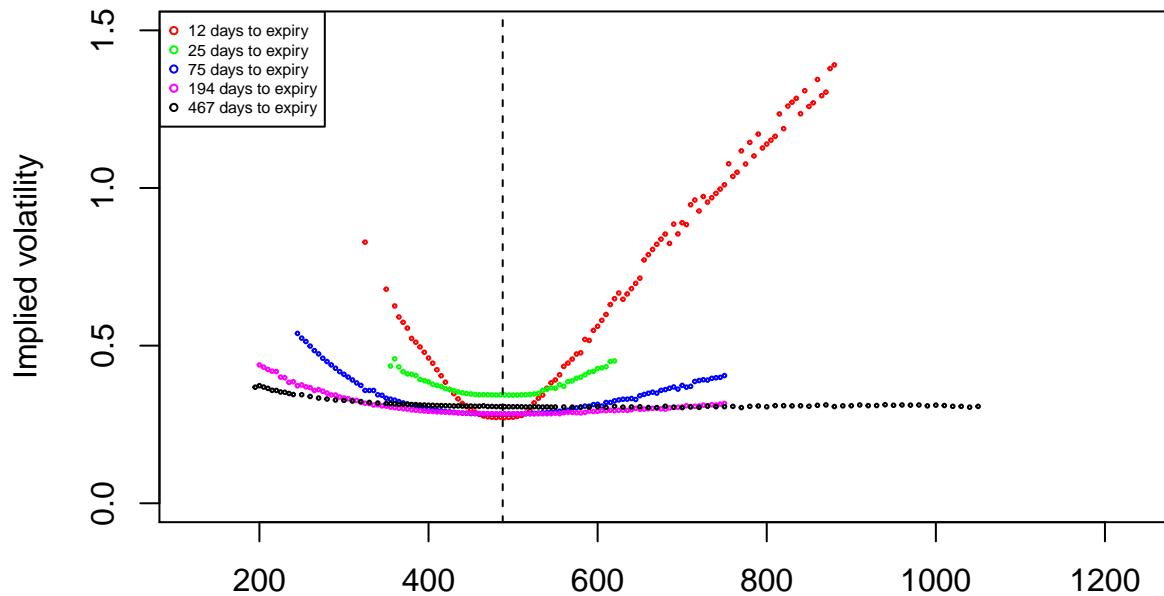
### Apple puts: 2013-10-03 (Price = 483.41)



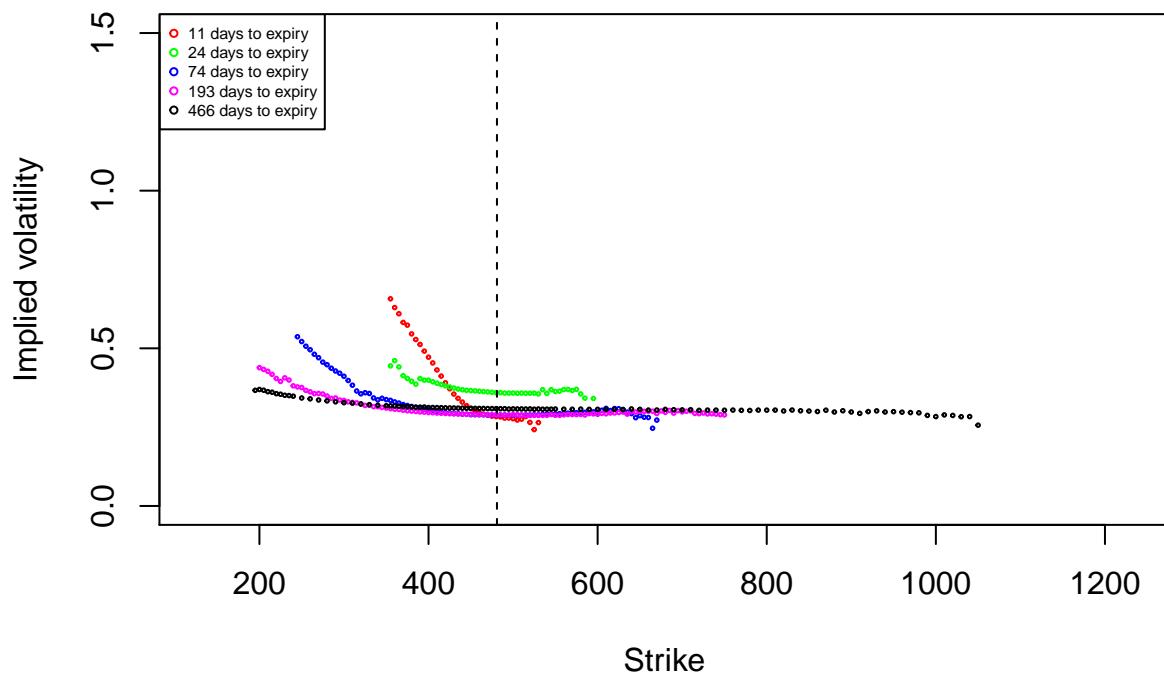
### Strike Apple puts: 2013-10-04 (Price = 483.03)



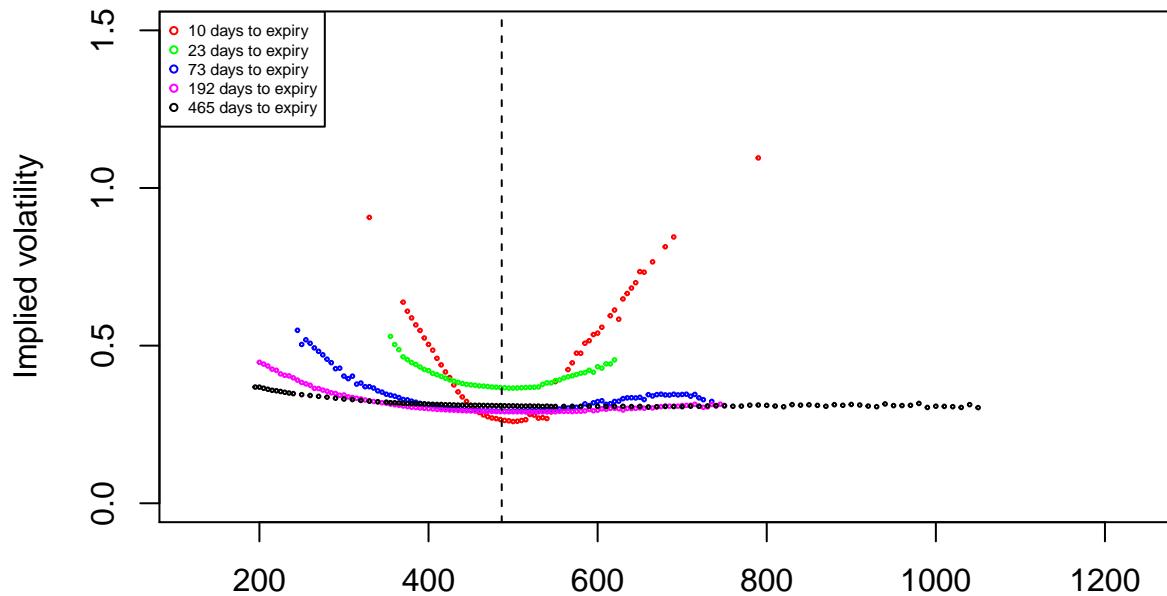
### Apple puts: 2013-10-07 (Price = 487.75)



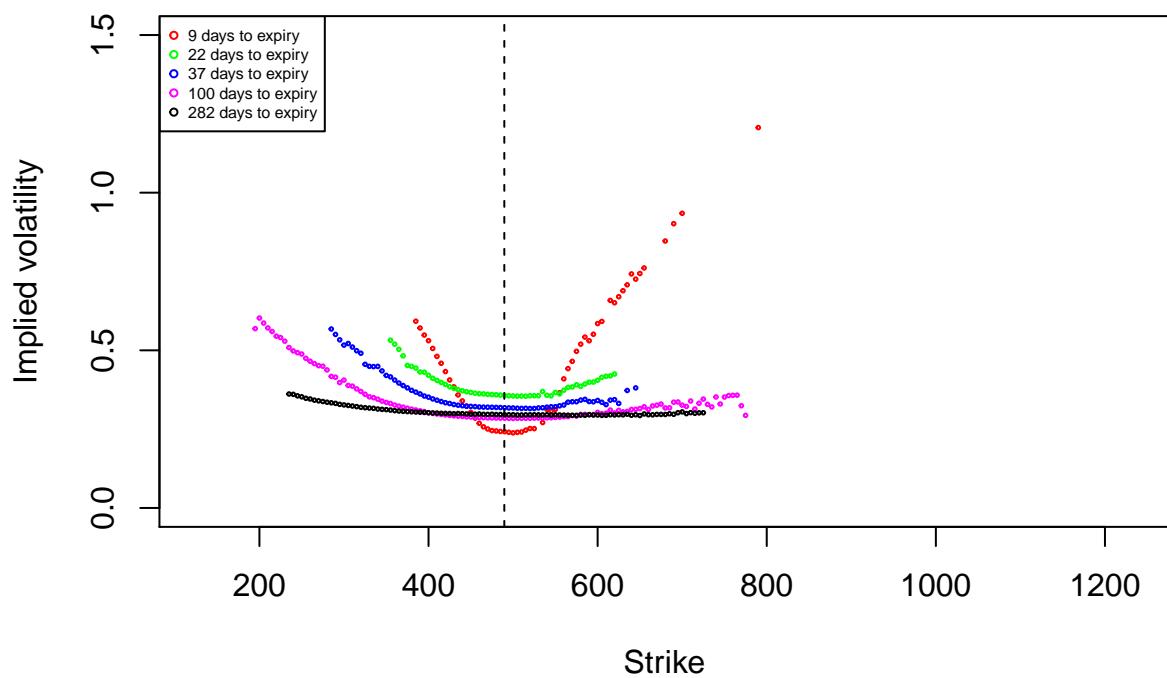
### Apple puts: 2013-10-08 (Price = 480.94)



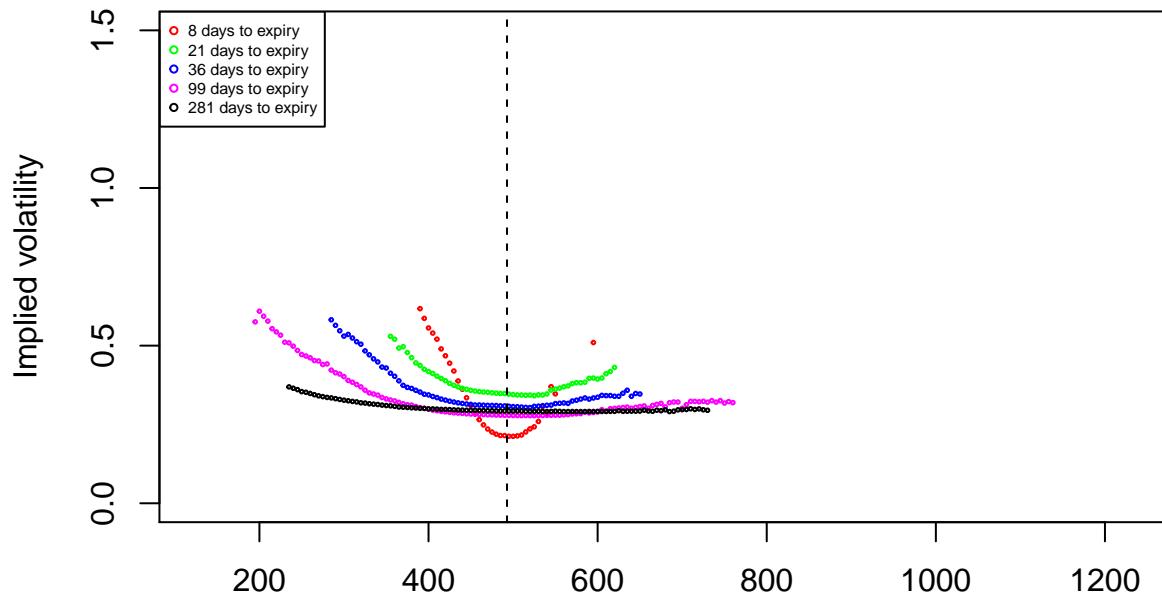
**Apple puts: 2013-10-09 (Price = 486.588)**



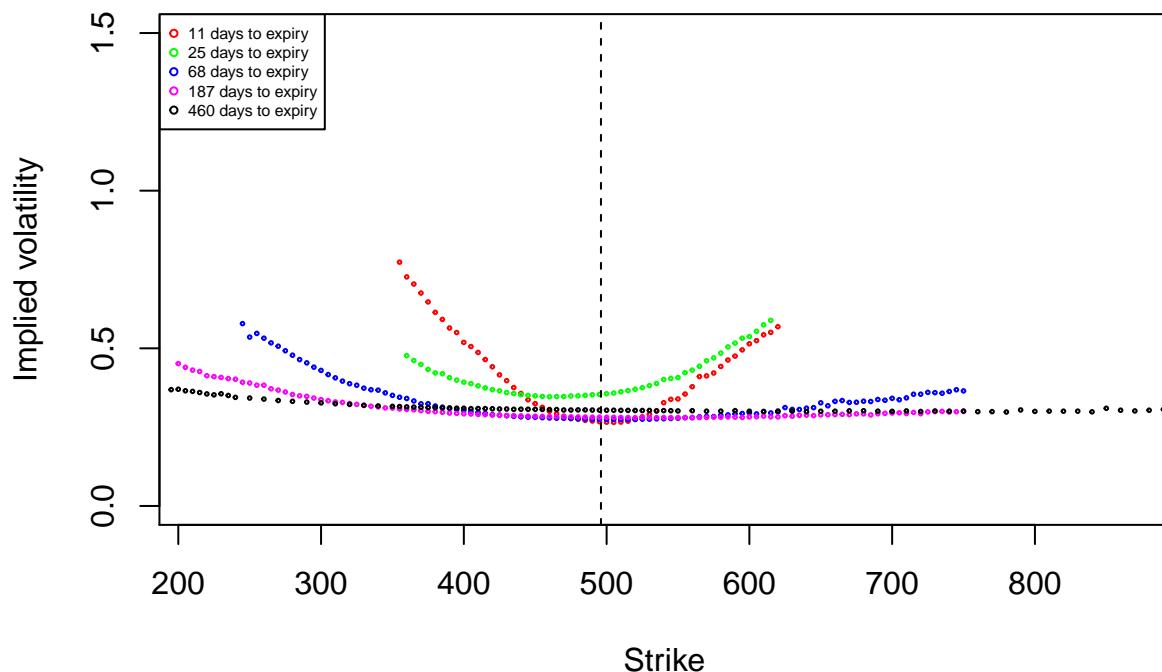
**Apple puts: 2013-10-10 (Price = 489.638)**



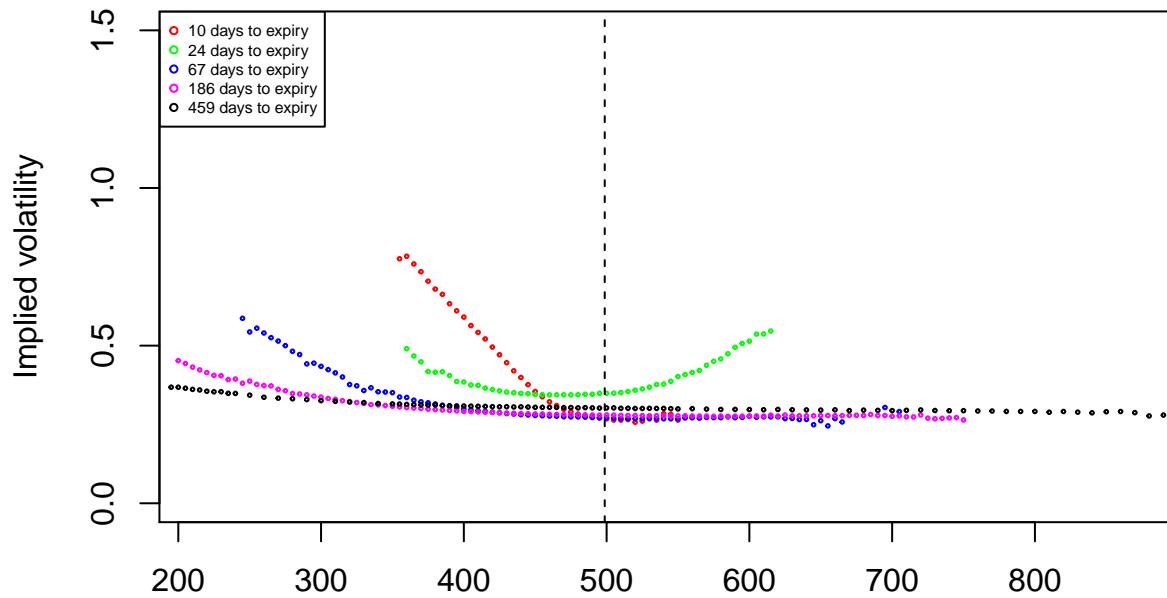
### Apple puts: 2013-10-11 (Price = 492.812)



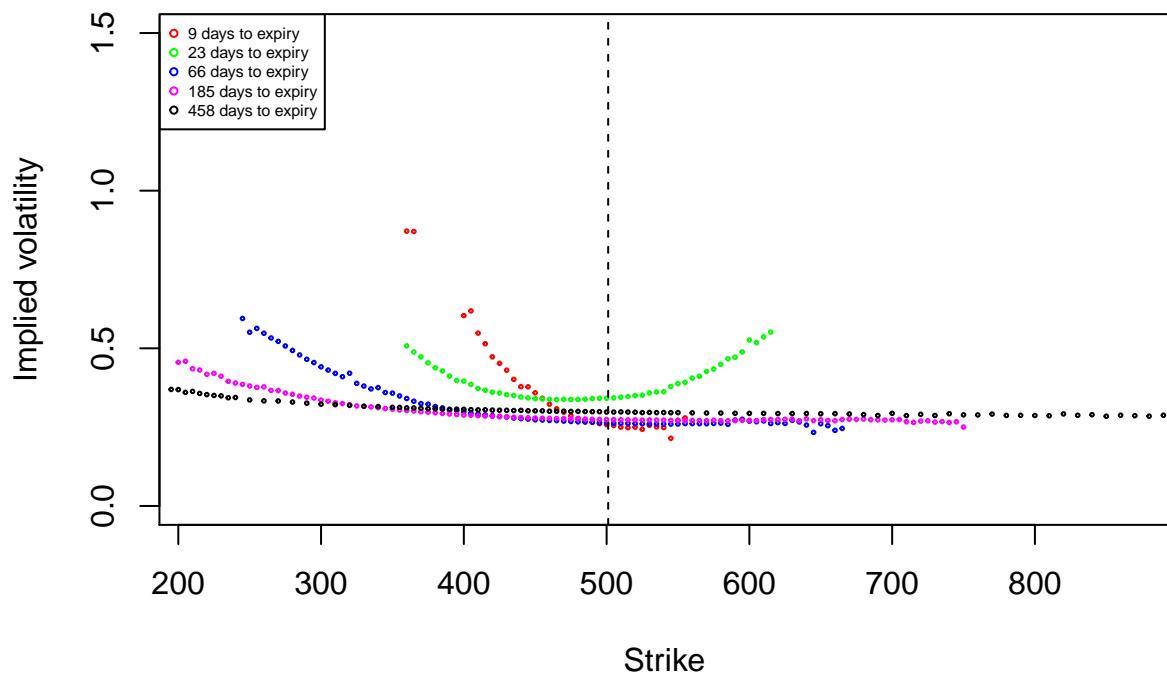
### Strike Apple puts: 2013-10-14 (Price = 496.04)



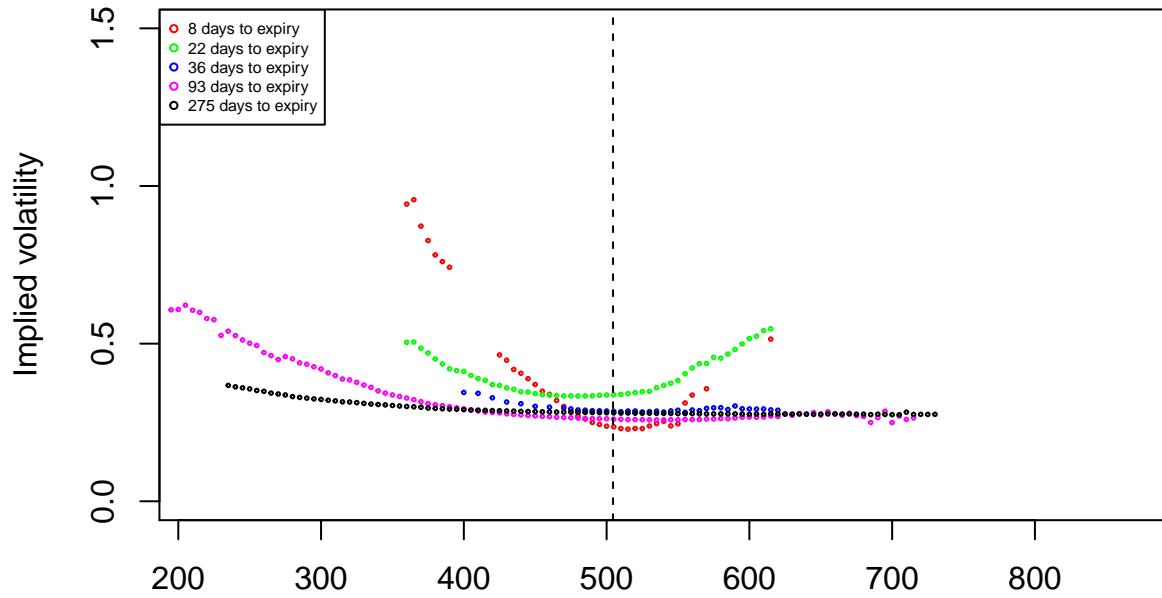
### Apple puts: 2013-10-15 (Price = 498.68)



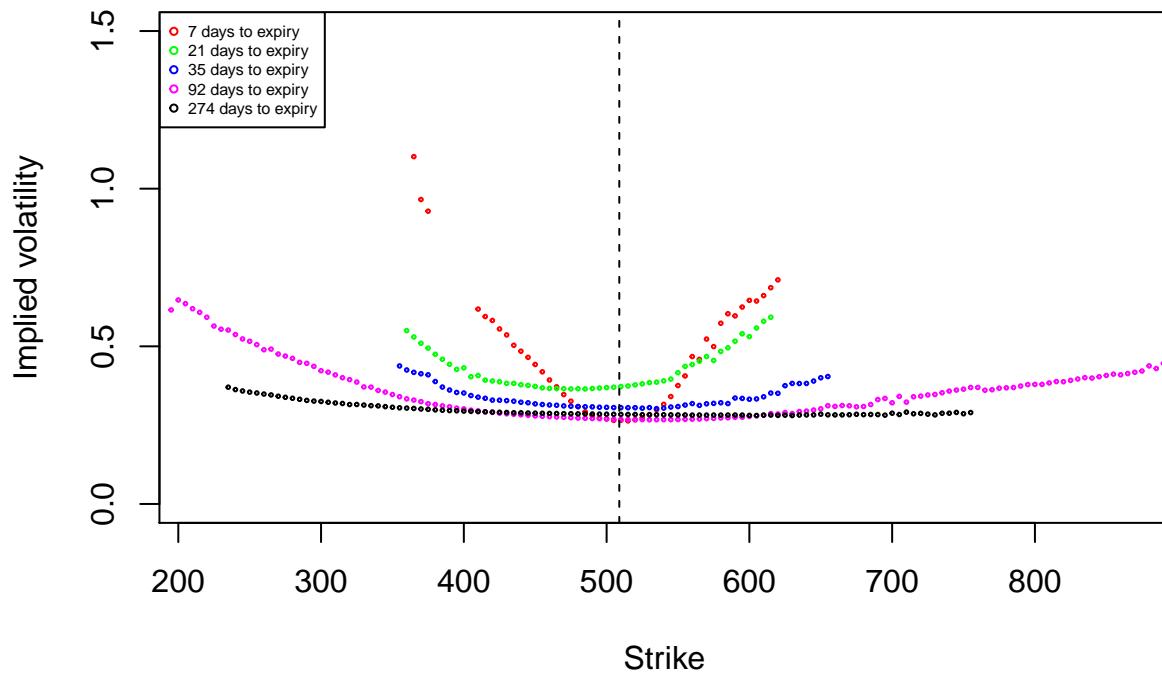
### Strike Apple puts: 2013-10-16 (Price = 501.114)



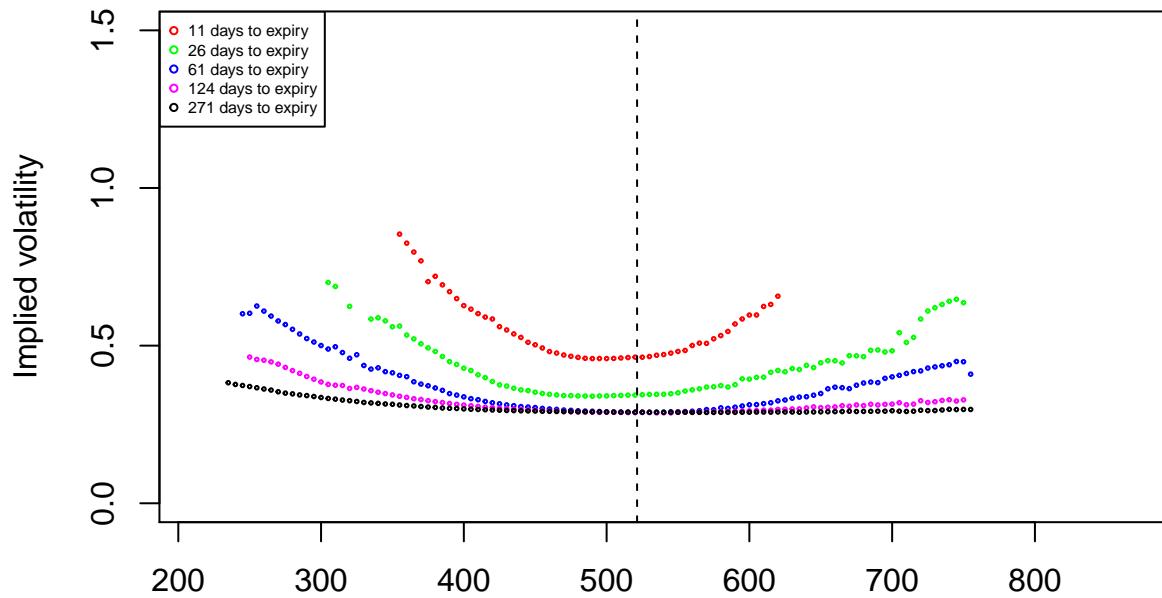
### Apple puts: 2013-10-17 (Price = 504.5)



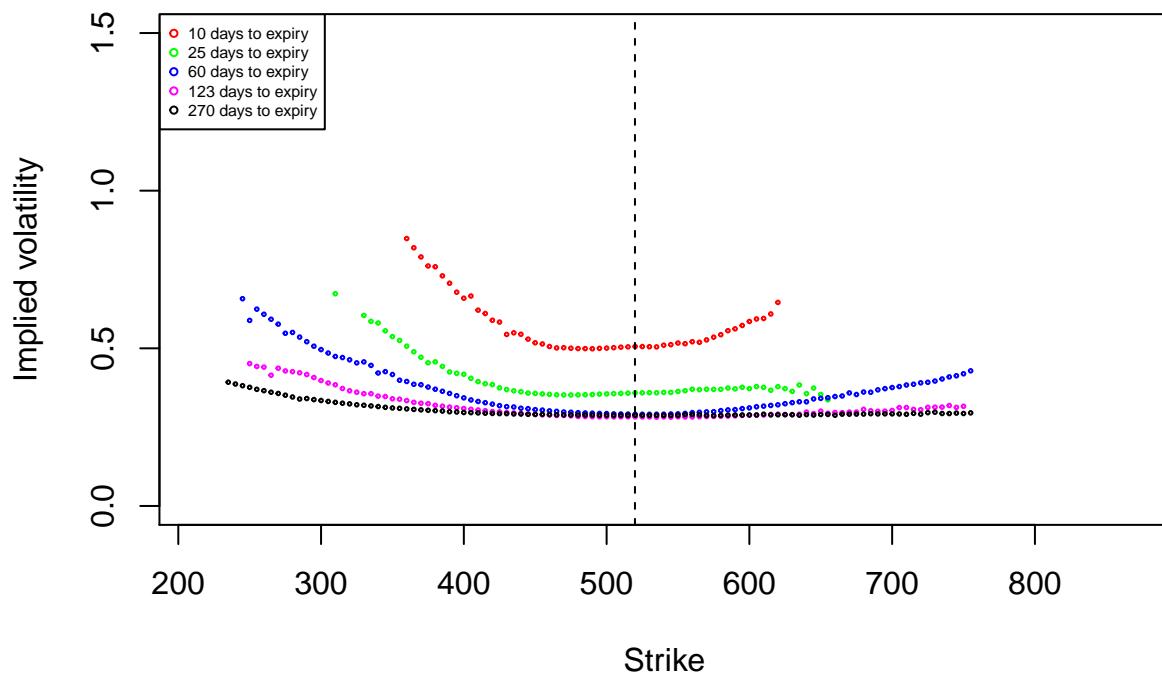
### Strike Apple puts: 2013-10-18 (Price = 508.89)



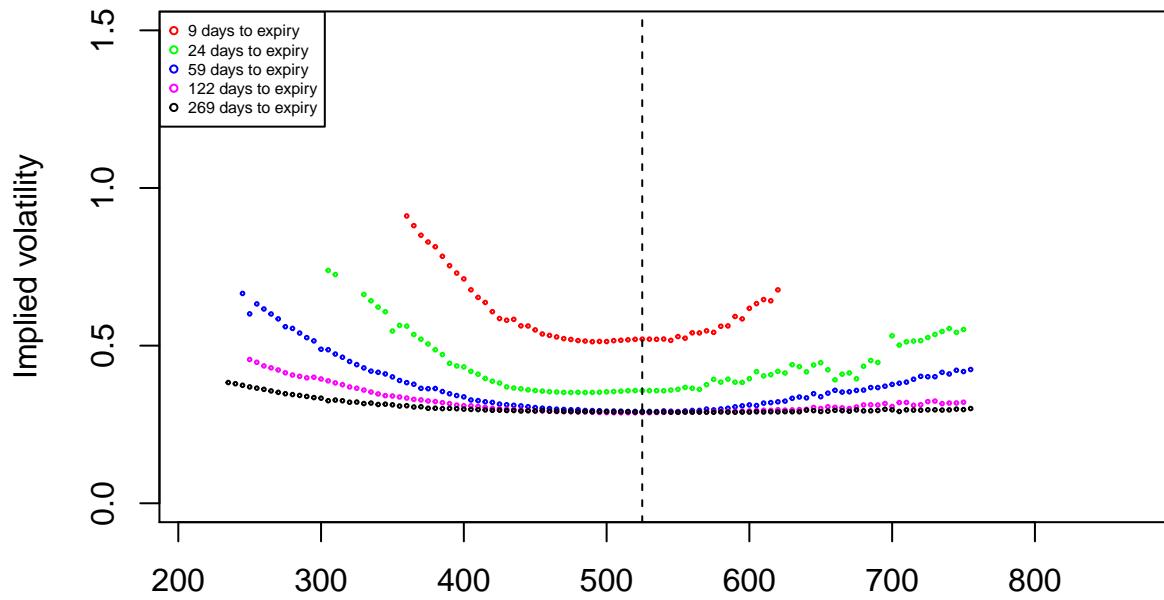
### Apple puts: 2013-10-21 (Price = 521.362)



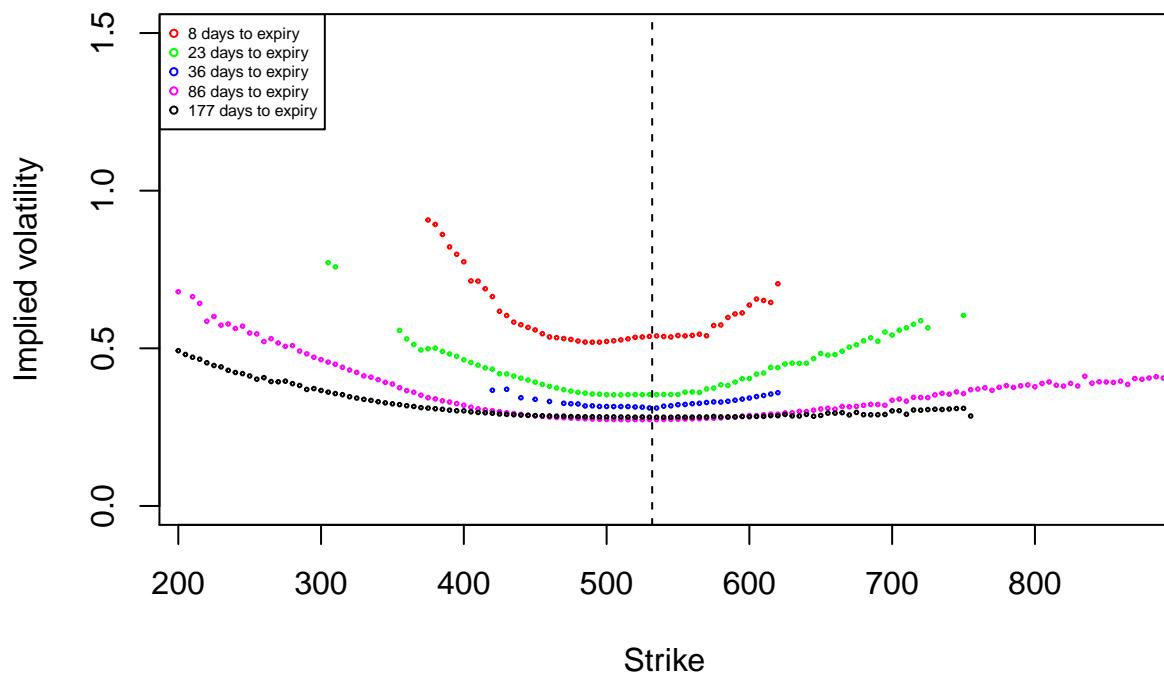
### Strike Apple puts: 2013-10-22 (Price = 519.8675)



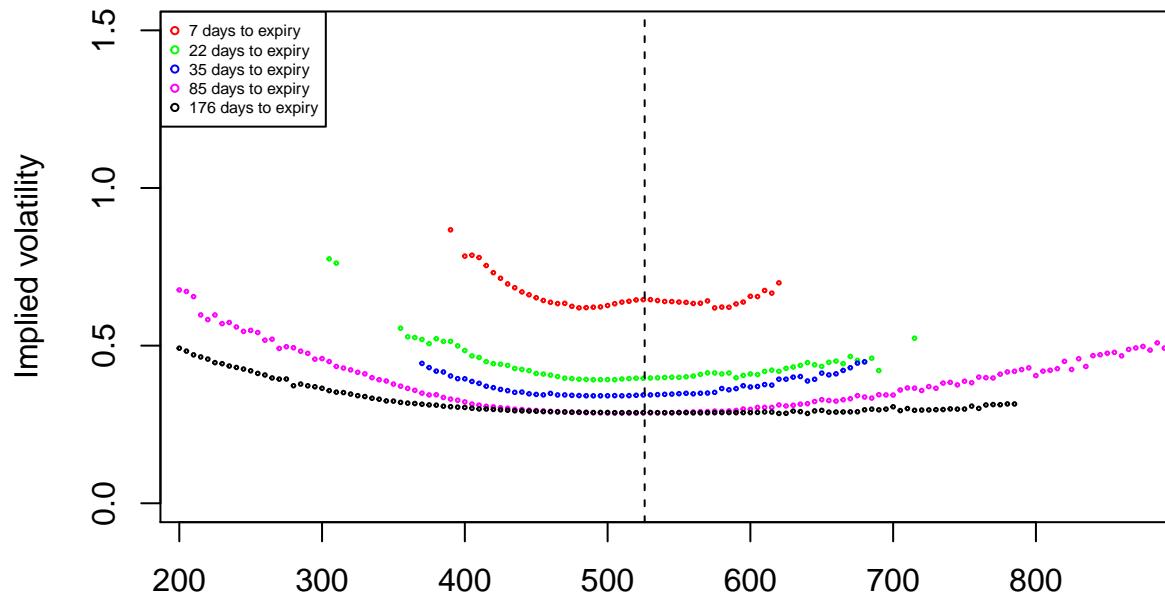
### Apple puts: 2013-10-23 (Price = 524.96)



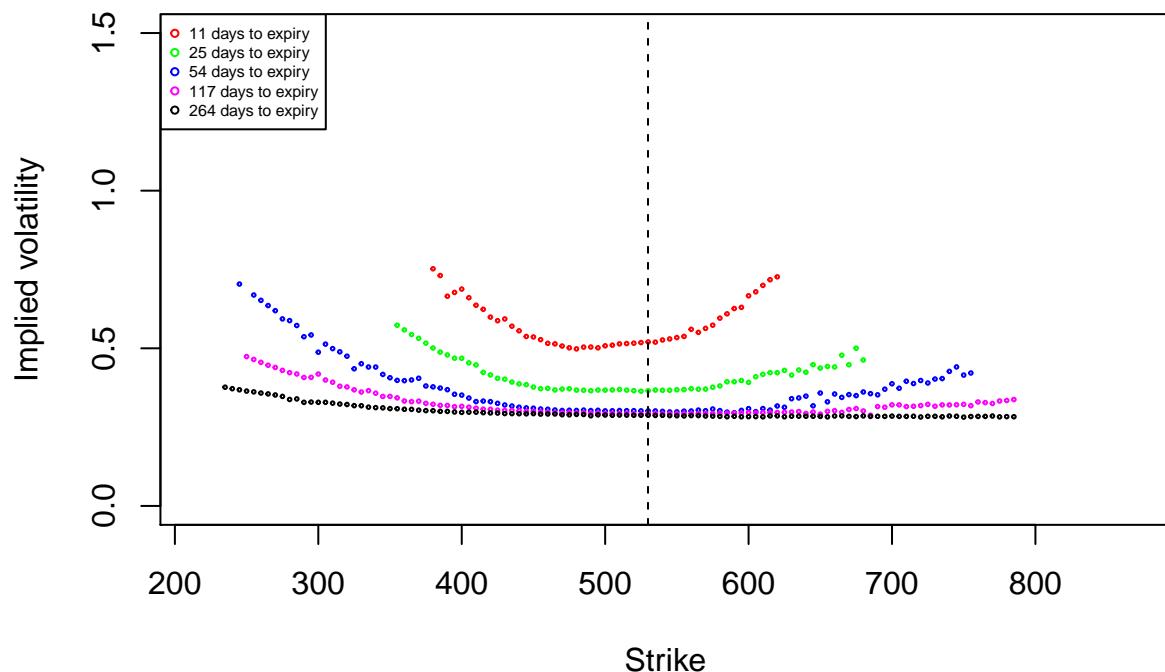
### Apple puts: 2013-10-24 (Price = 531.91)



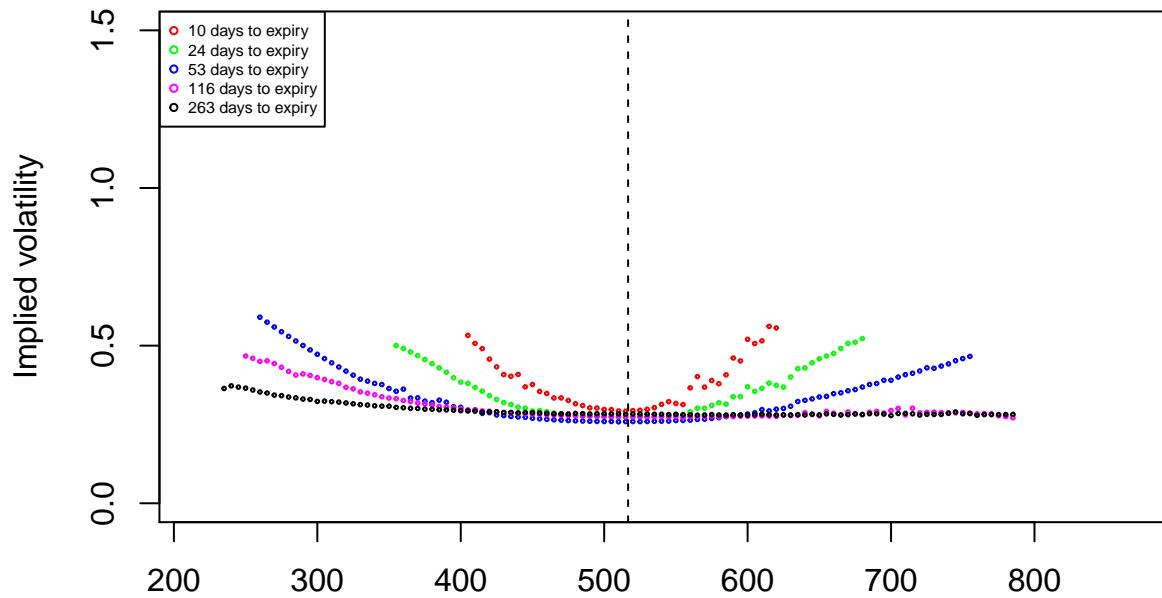
### Apple puts: 2013-10-25 (Price = 525.958)



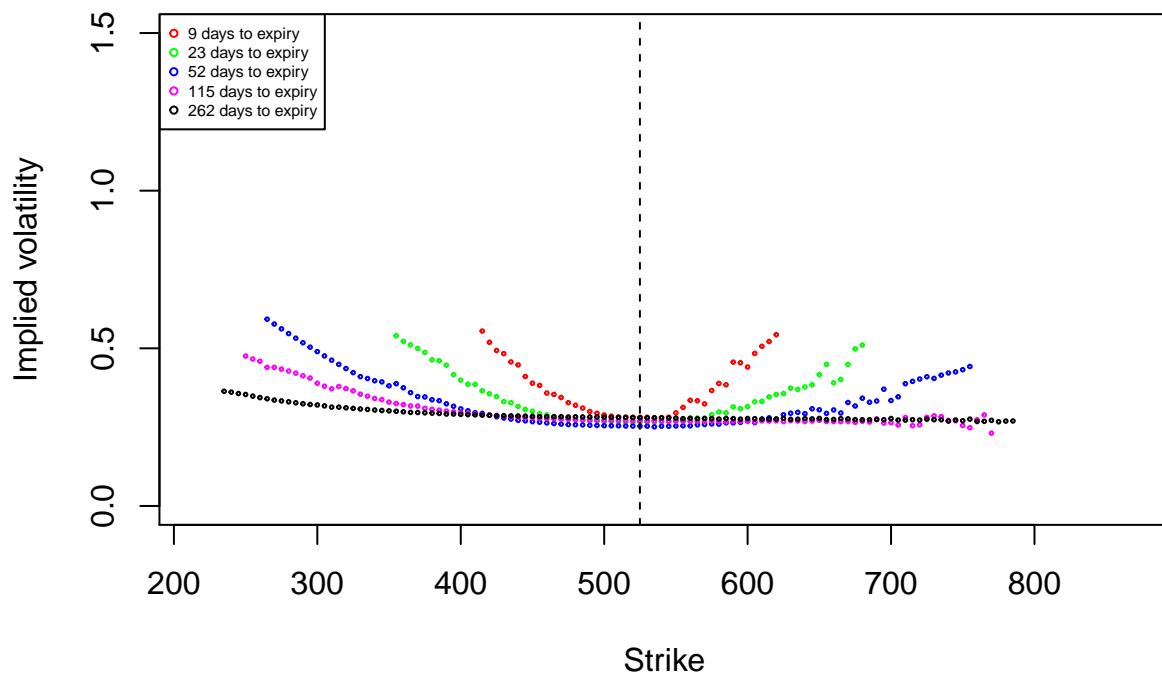
### Apple puts: 2013-10-28(Earnings Announcement) (Price = 529.876)



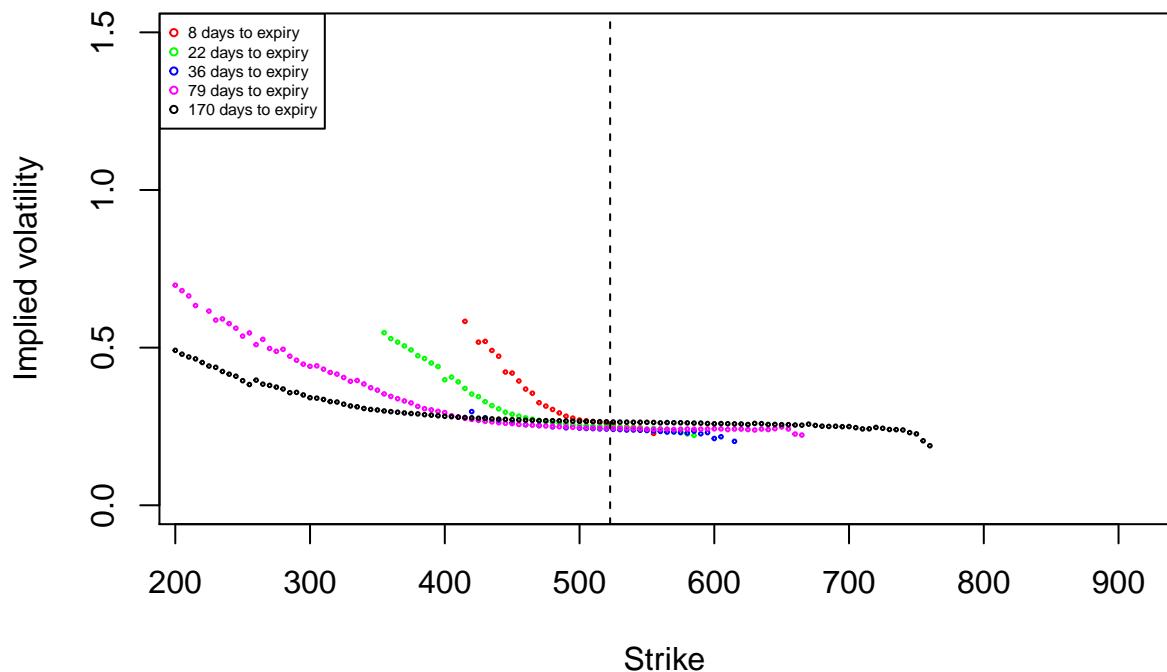
### Apple puts: 2013-10-29 (Price = 516.678)



### Apple puts: 2013-10-30 (Price = 524.896)

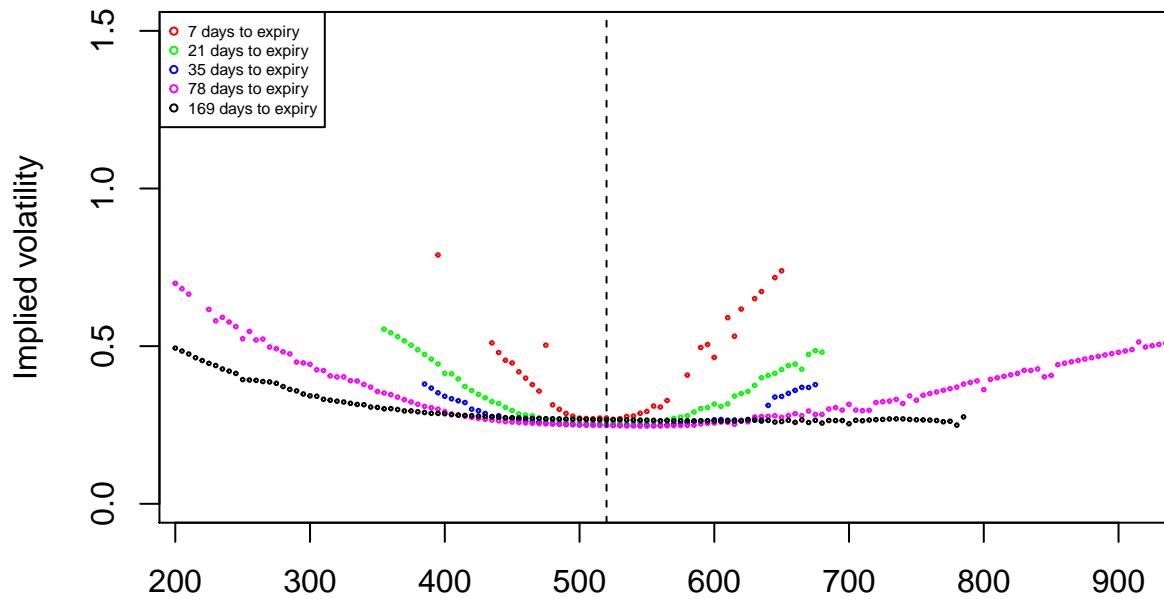


### Apple puts: 2013-10-31 (Price = 522.702)

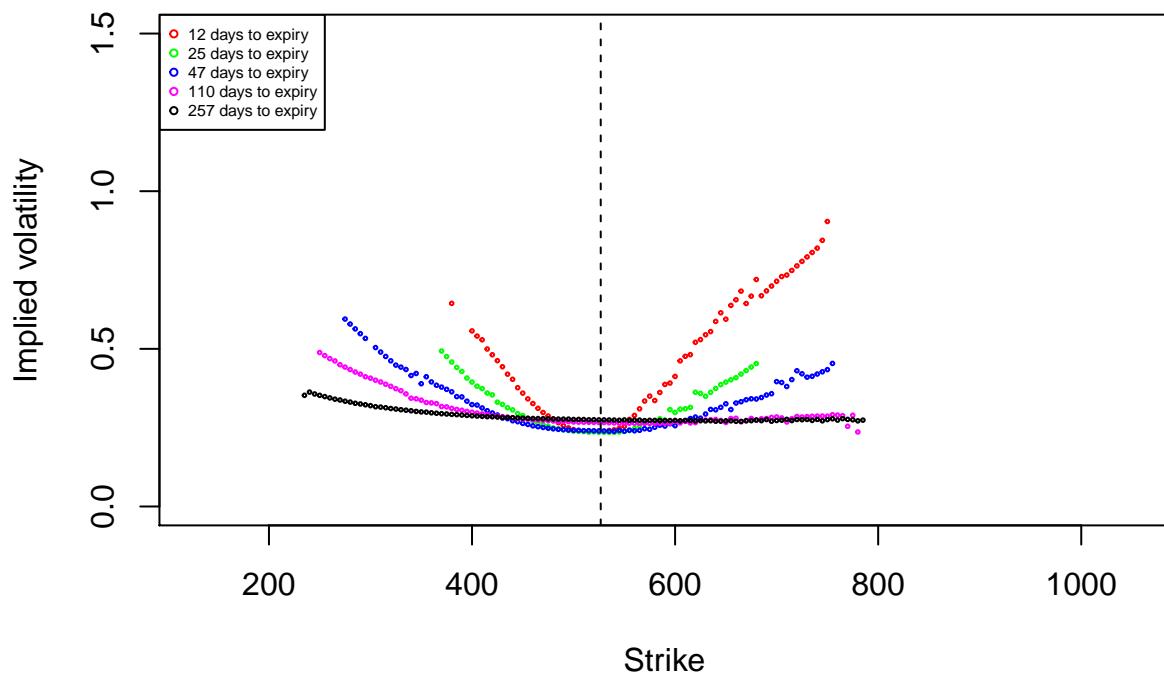


November, 2013

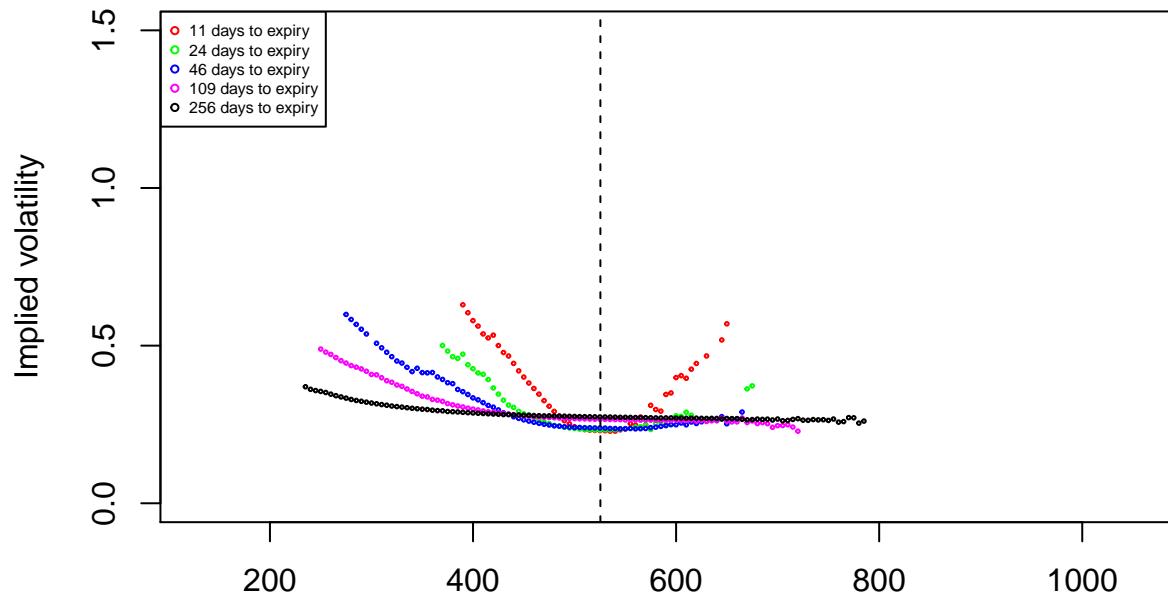
**Apple puts: 2013-11-01 (Price = 520.03)**



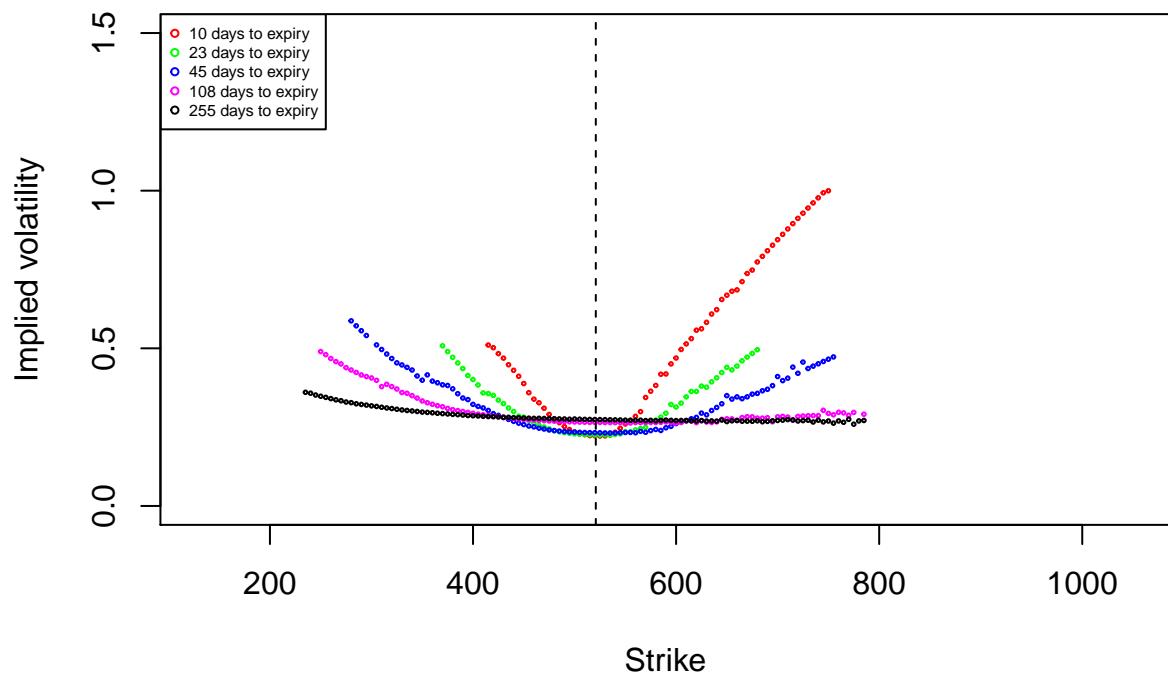
**Strike**  
**Apple puts: 2013-11-04 (Price = 526.75)**



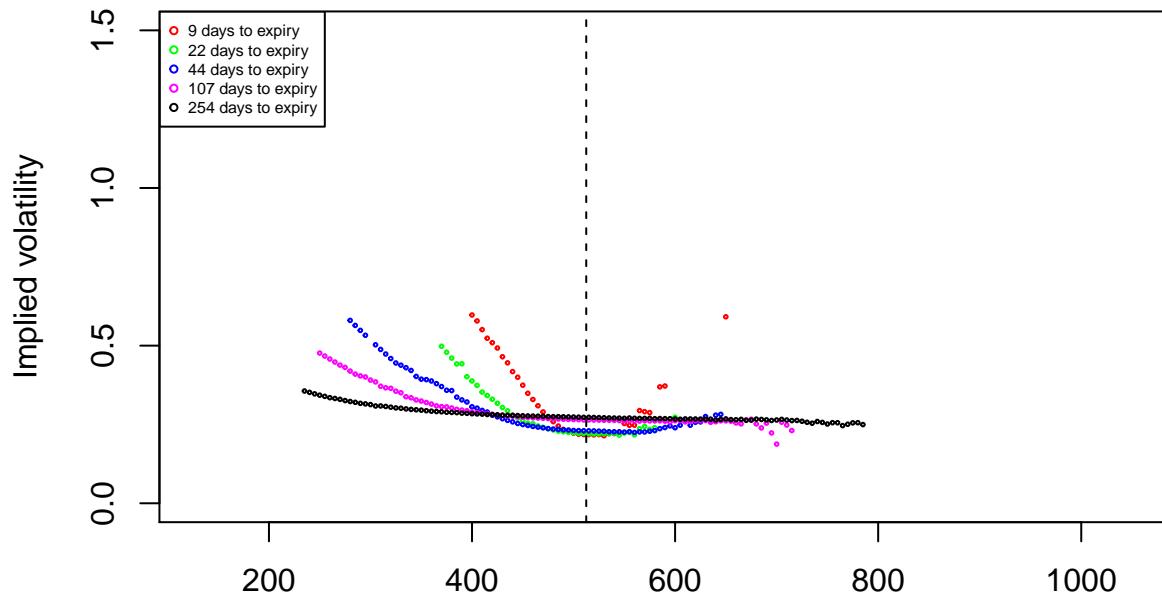
### Apple puts: 2013-11-05 (Price = 525.449)



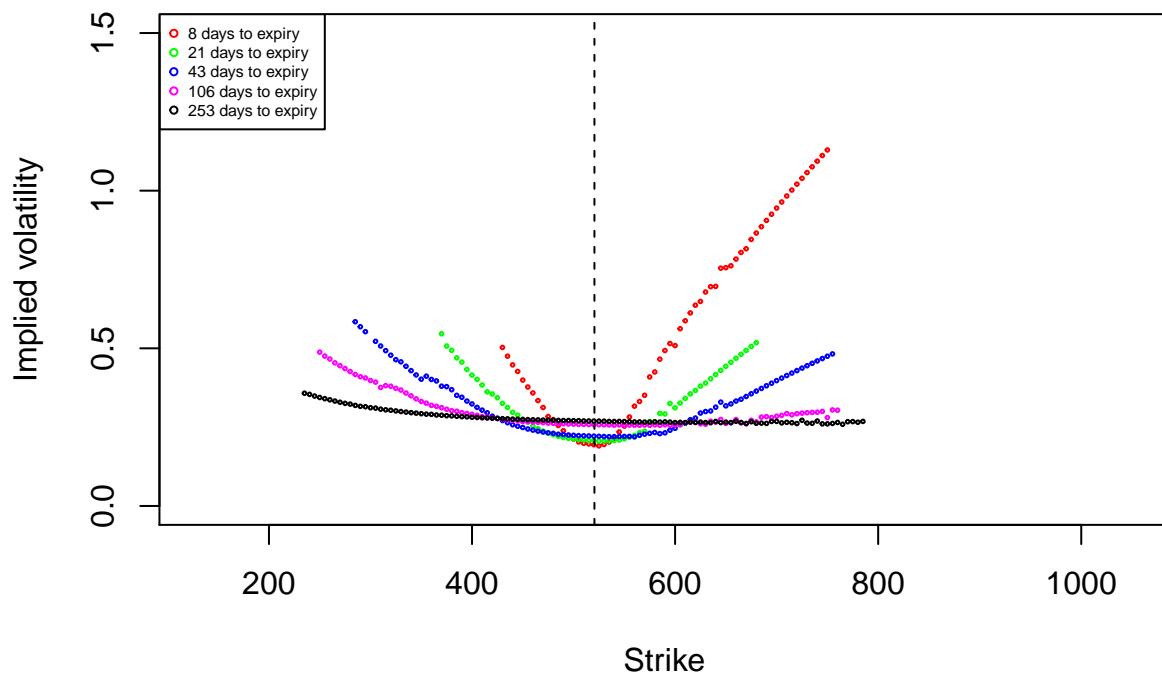
### Strike Apple puts: 2013-11-06 (Price = 520.92)



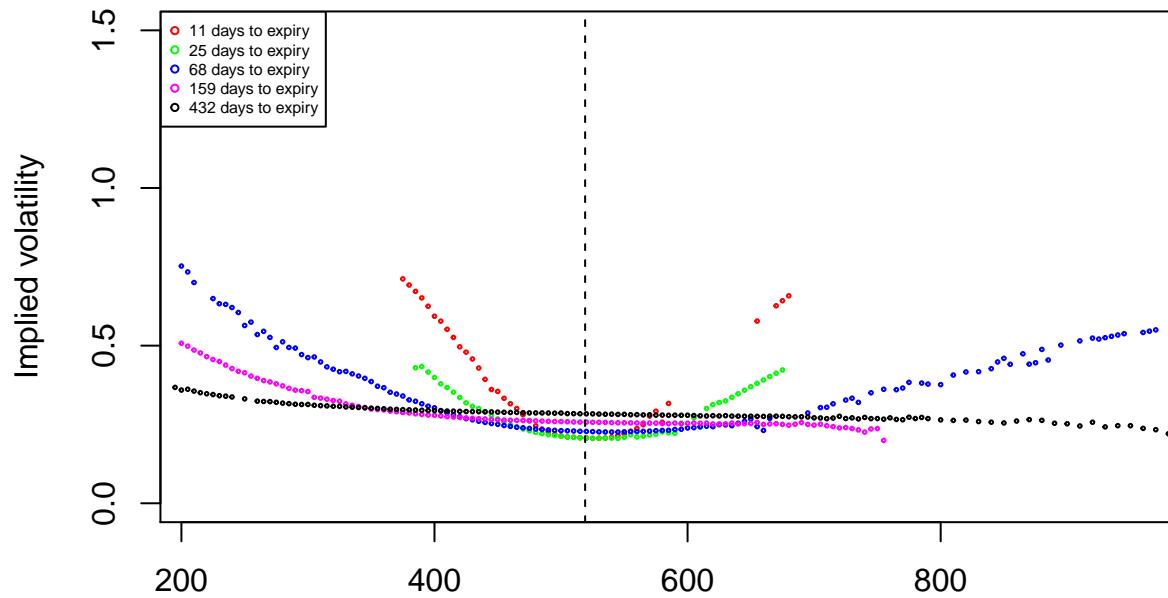
### Apple puts: 2013-11-07 (Price = 512.492)



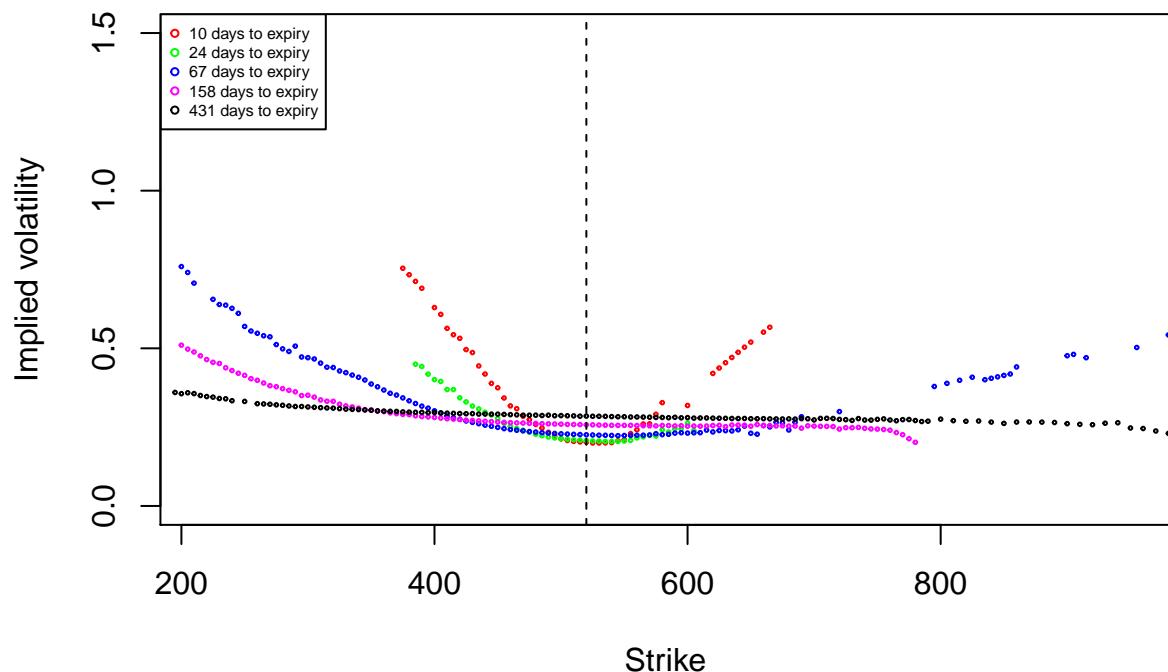
### Strike Apple puts: 2013-11-08 (Price = 520.56)



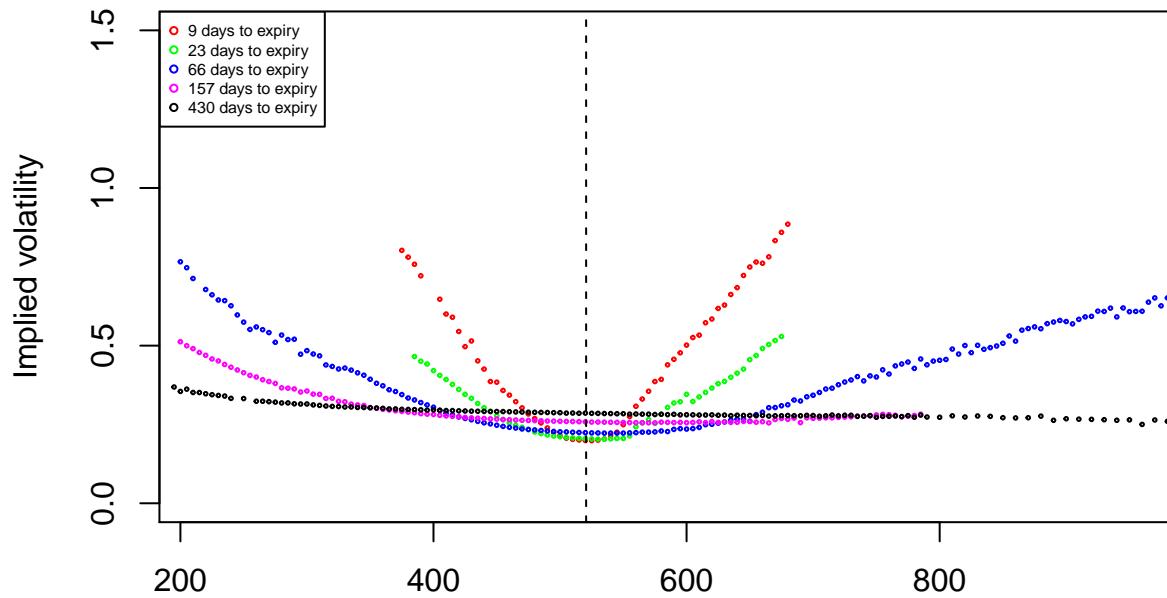
### Apple puts: 2013-11-11 (Price = 519.048)



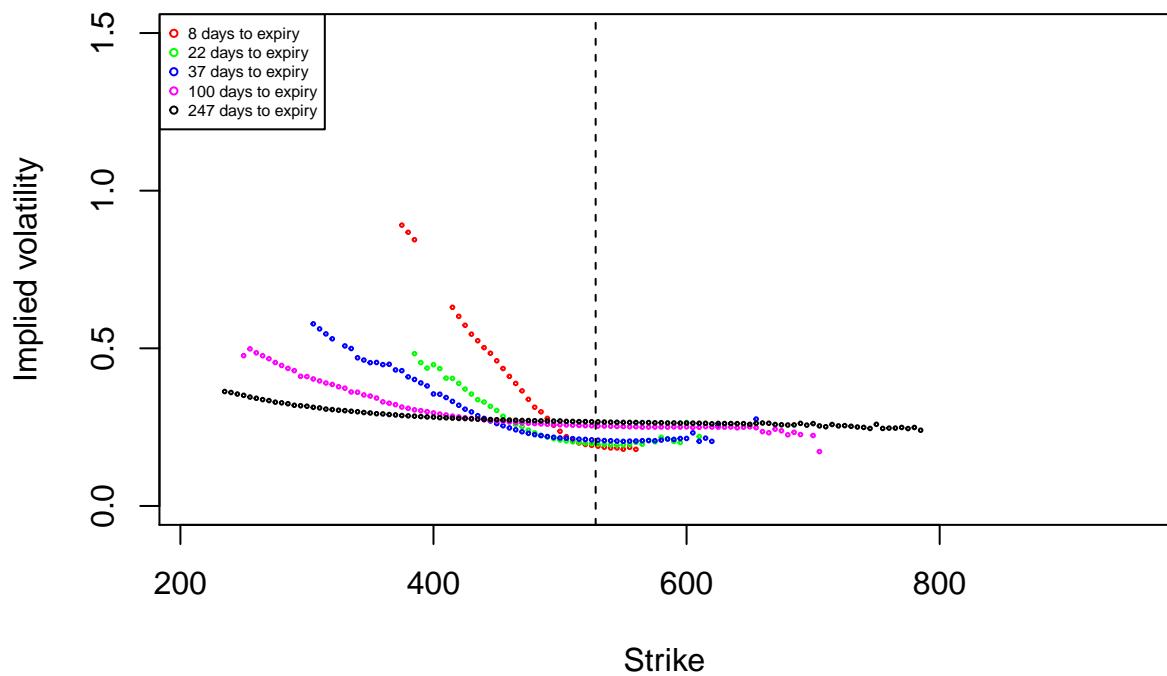
### Strike Apple puts: 2013-11-12 (Price = 520.01)



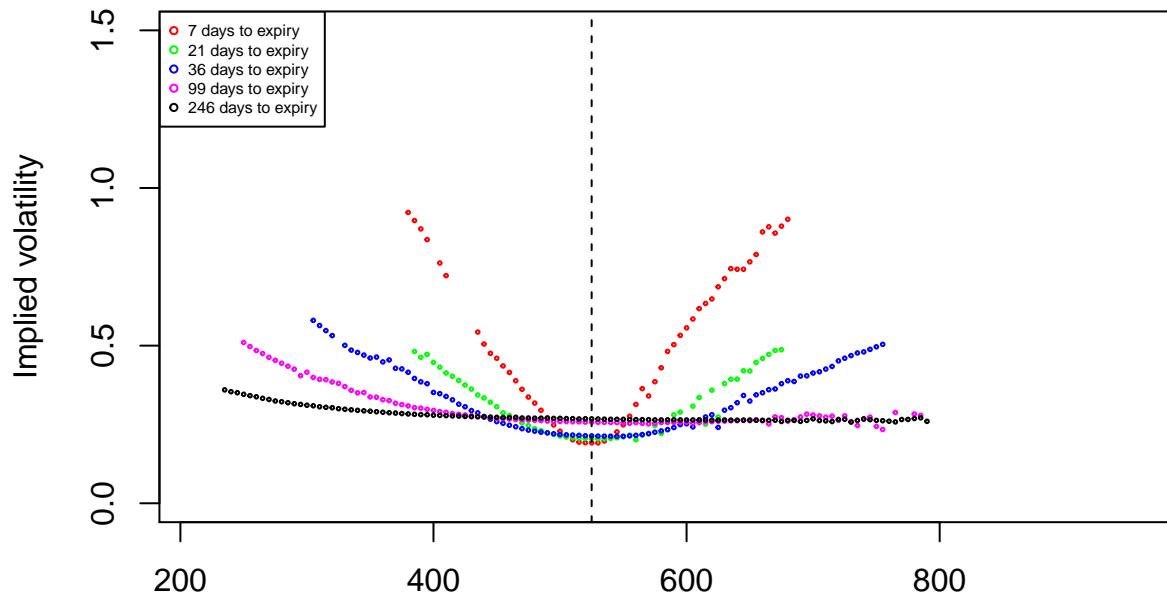
### Apple puts: 2013-11-13 (Price = 520.634)



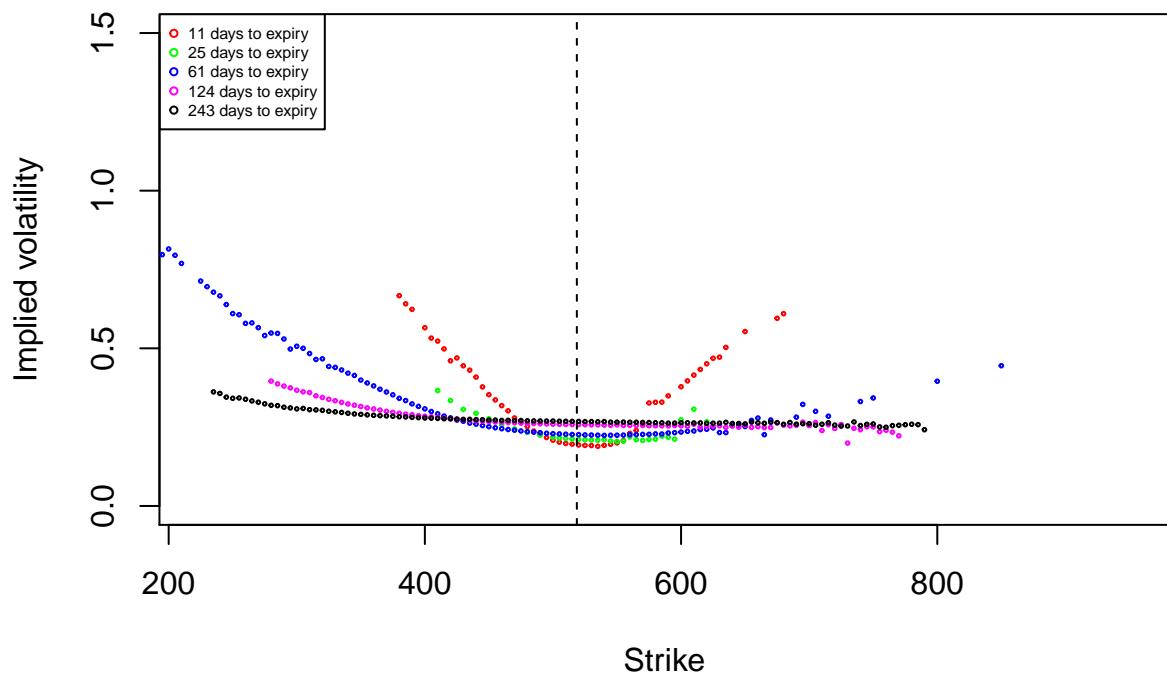
### Apple puts: 2013-11-14 (Price = 528.16)



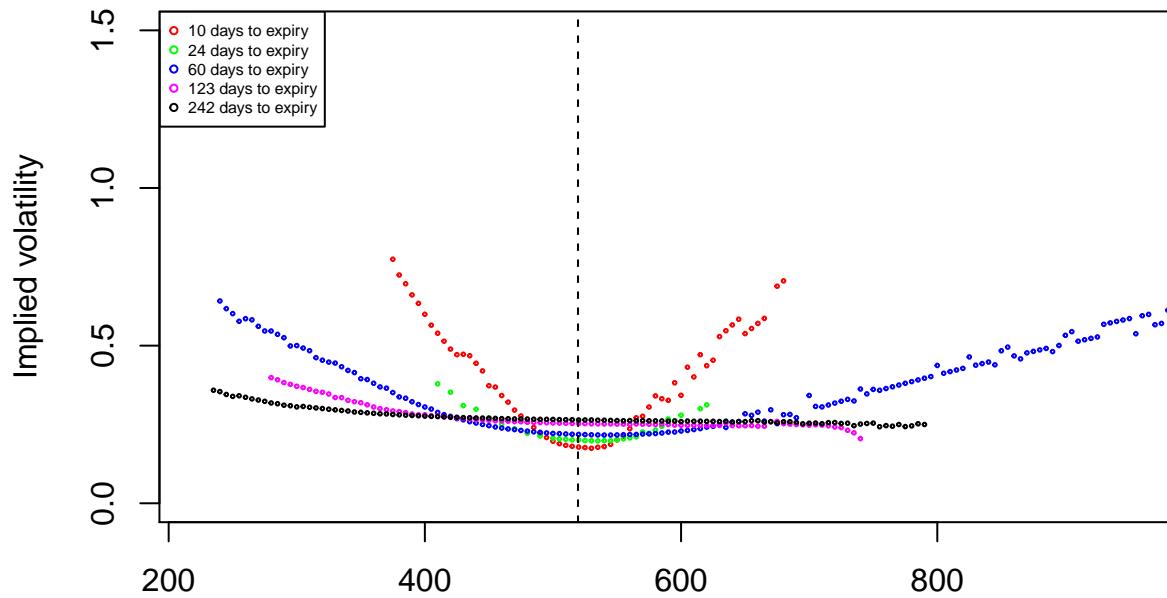
### Apple puts: 2013-11-15 (Price = 524.991)



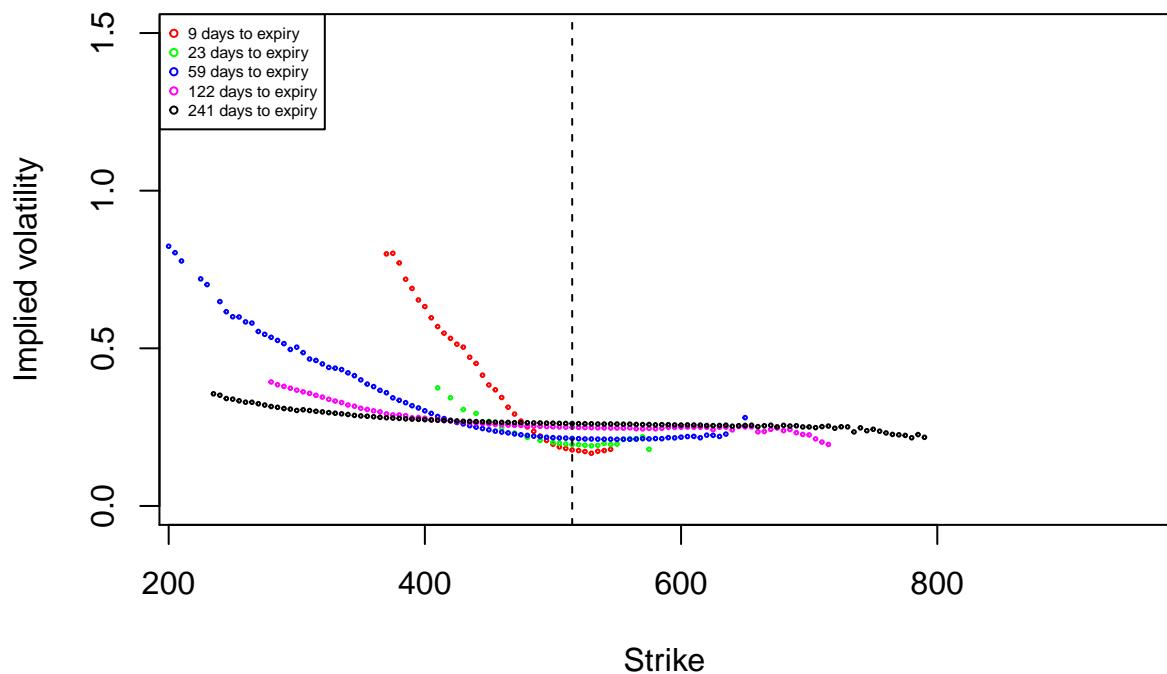
### Apple puts: 2013-11-18 (Price = 518.629)



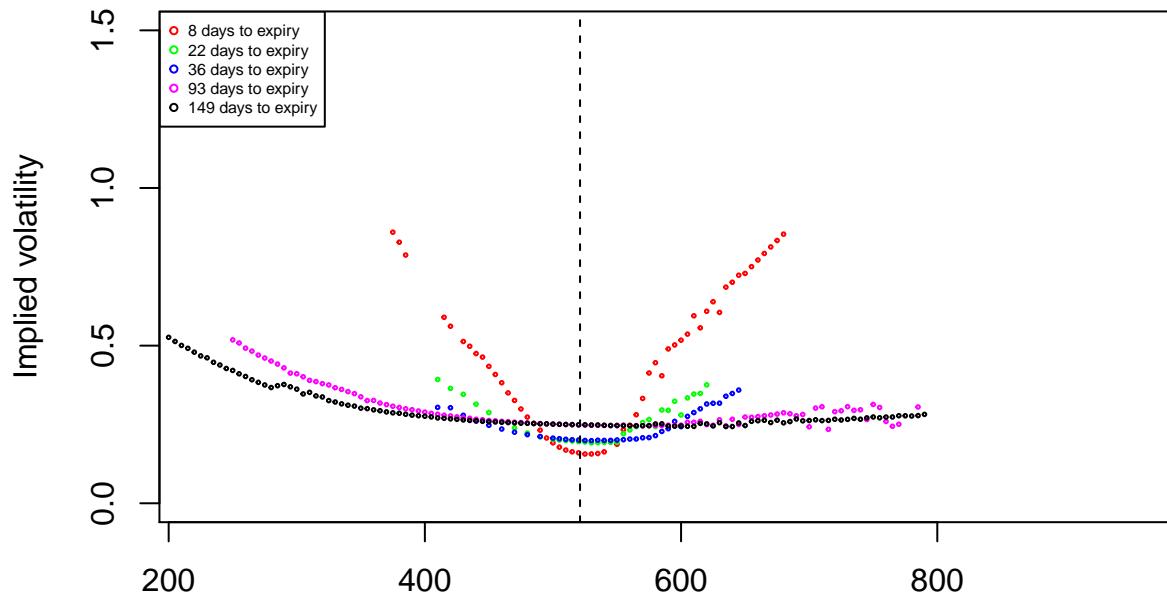
**Apple puts: 2013-11-19 (Price = 519.55)**



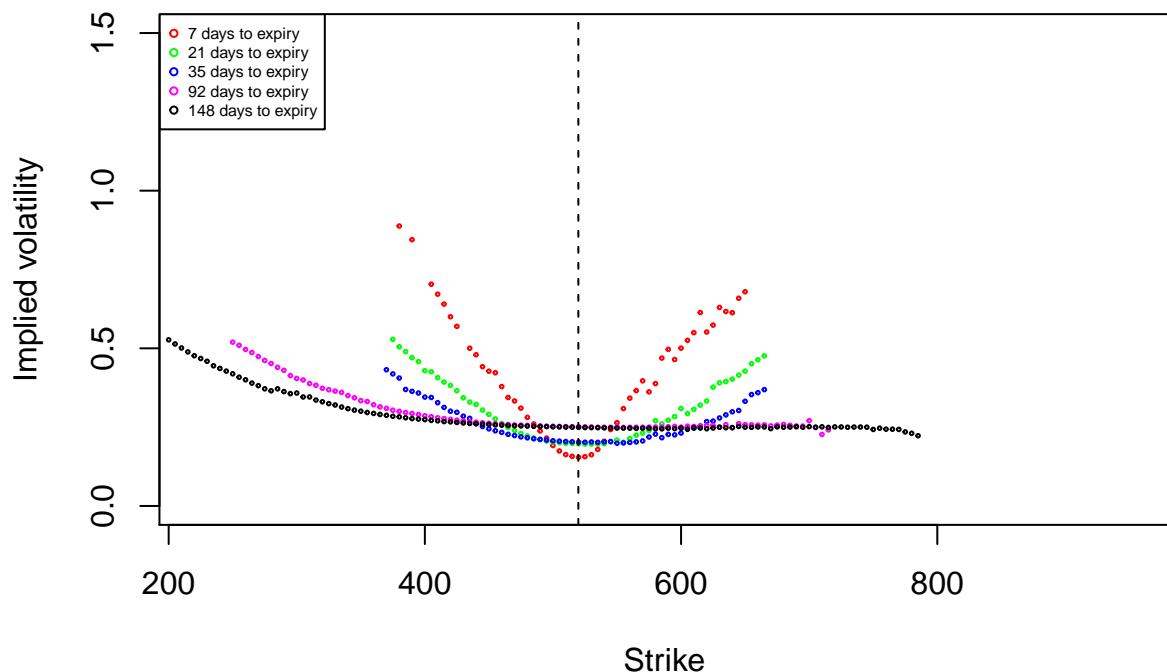
**Apple puts: 2013-11-20 (Price = 515)**



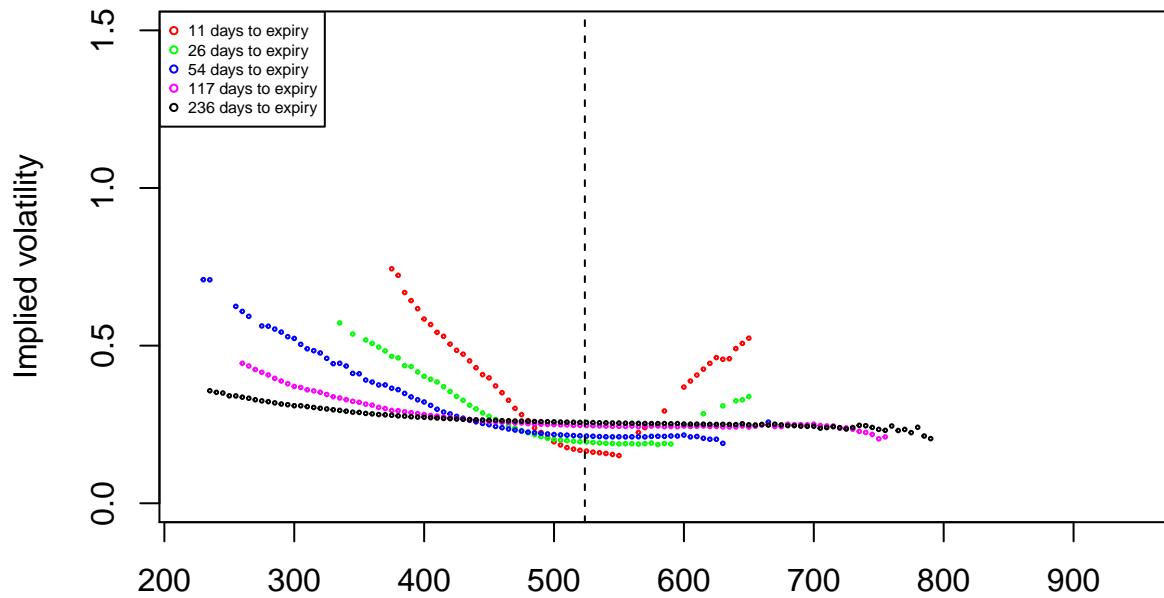
**Apple puts: 2013-11-21 (Price = 521.136)**



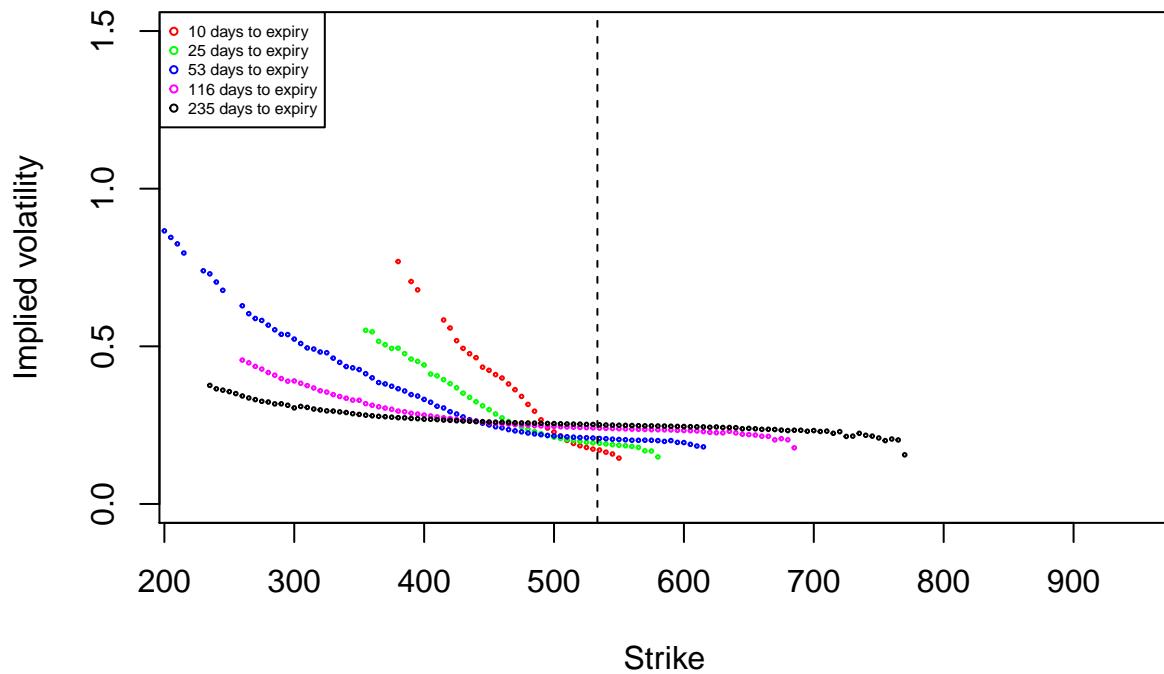
**Strike**  
**Apple puts: 2013-11-22 (Price = 519.8)**



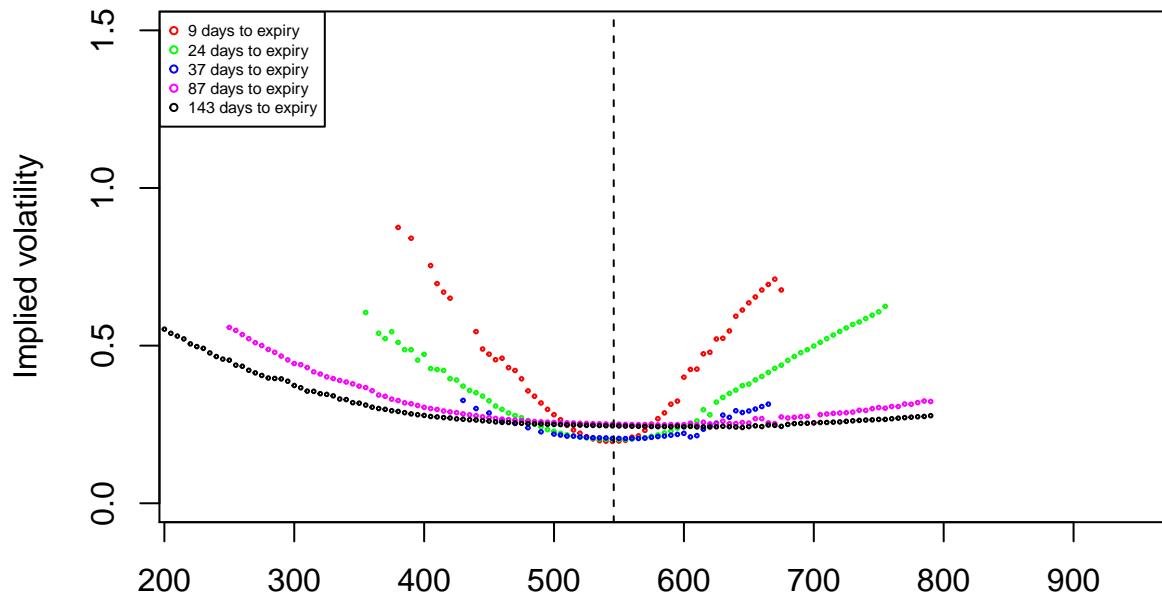
### Apple puts: 2013-11-25 (Price = 523.74)



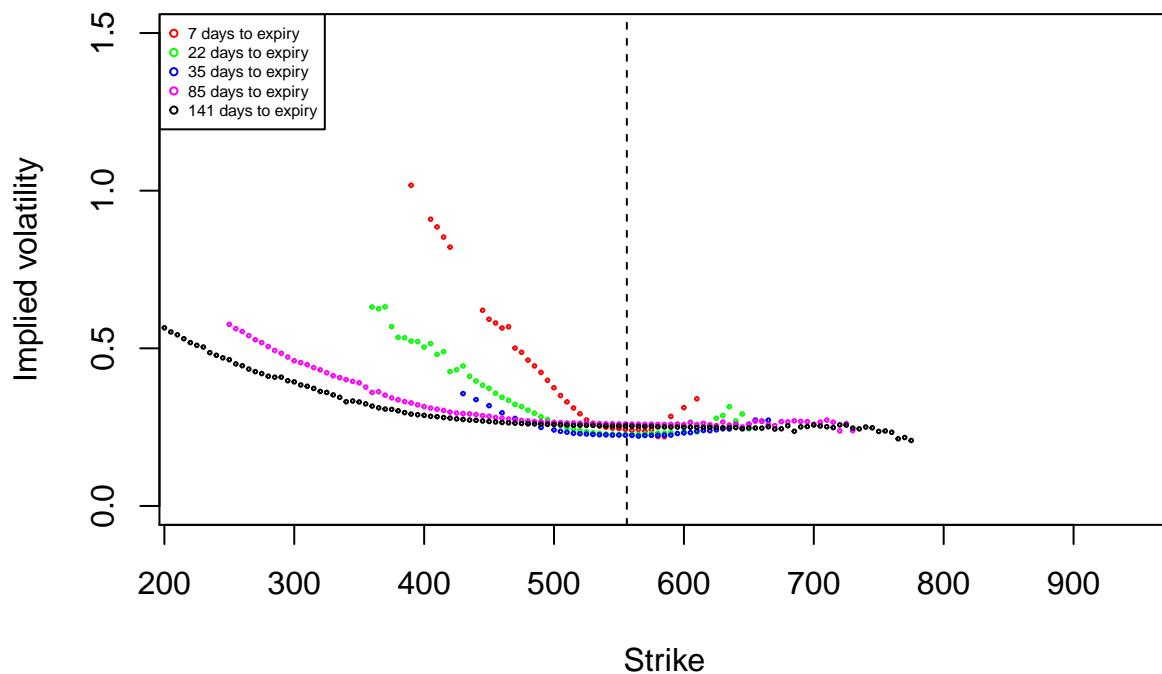
### Apple puts: 2013-11-26 (Price = 533.4)



### Apple puts: 2013-11-27 (Price = 545.96)

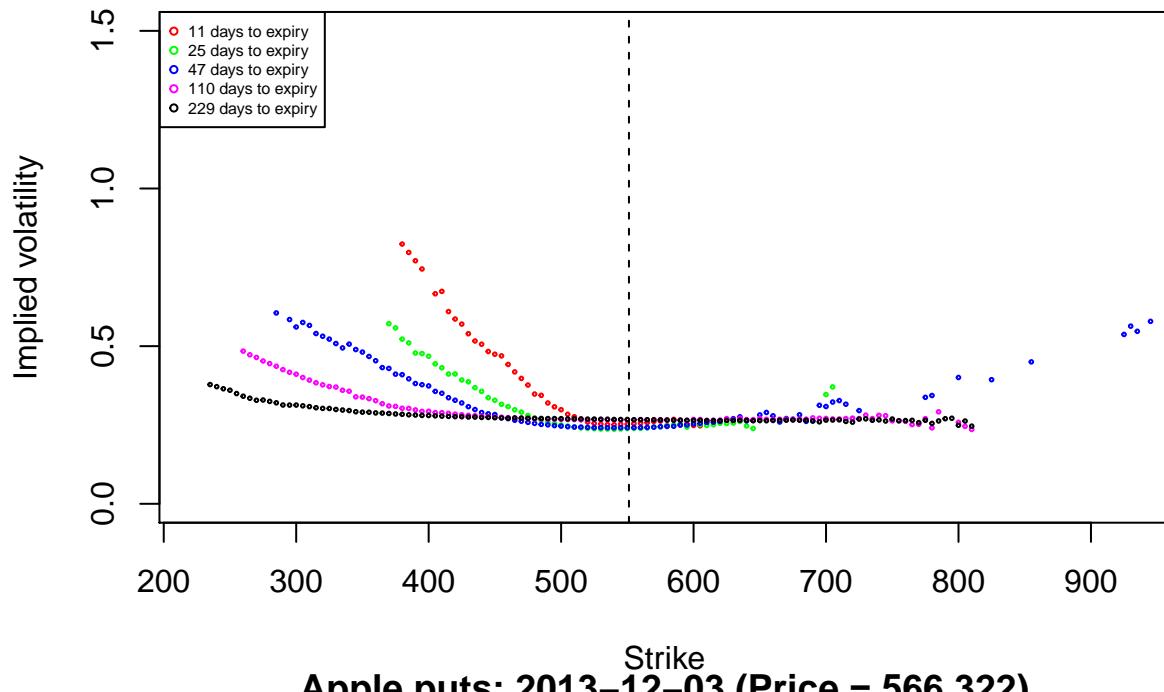


### Strike Apple puts: 2013-11-29 (Price = 556.07)

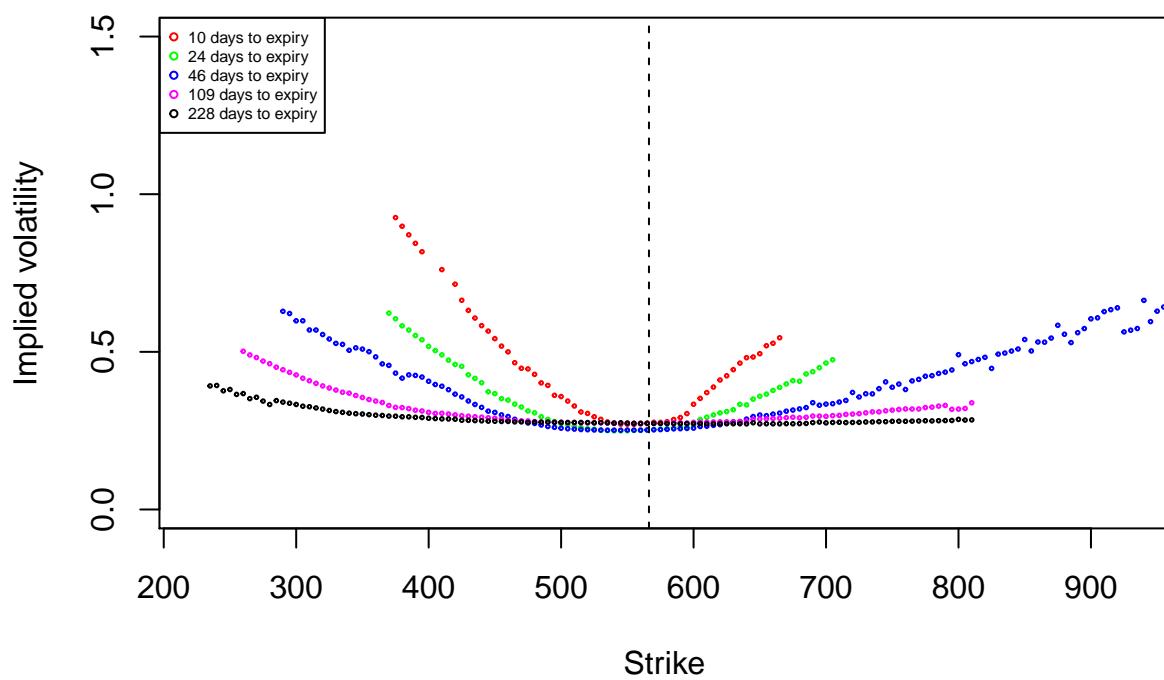


December, 2013

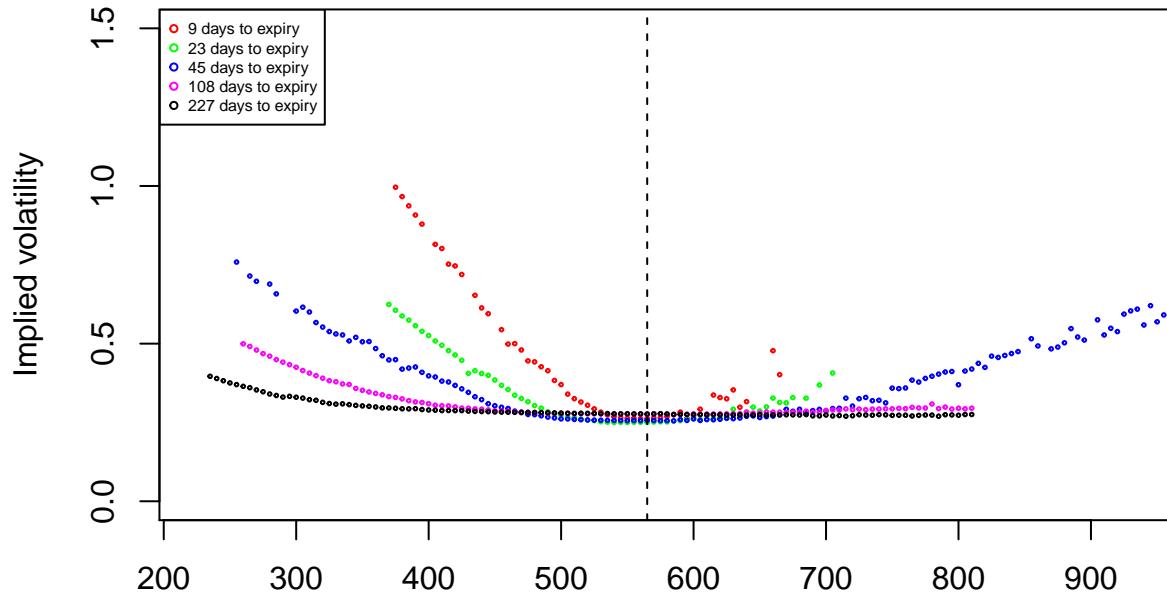
**Apple puts: 2013-12-02 (Price = 551.23)**



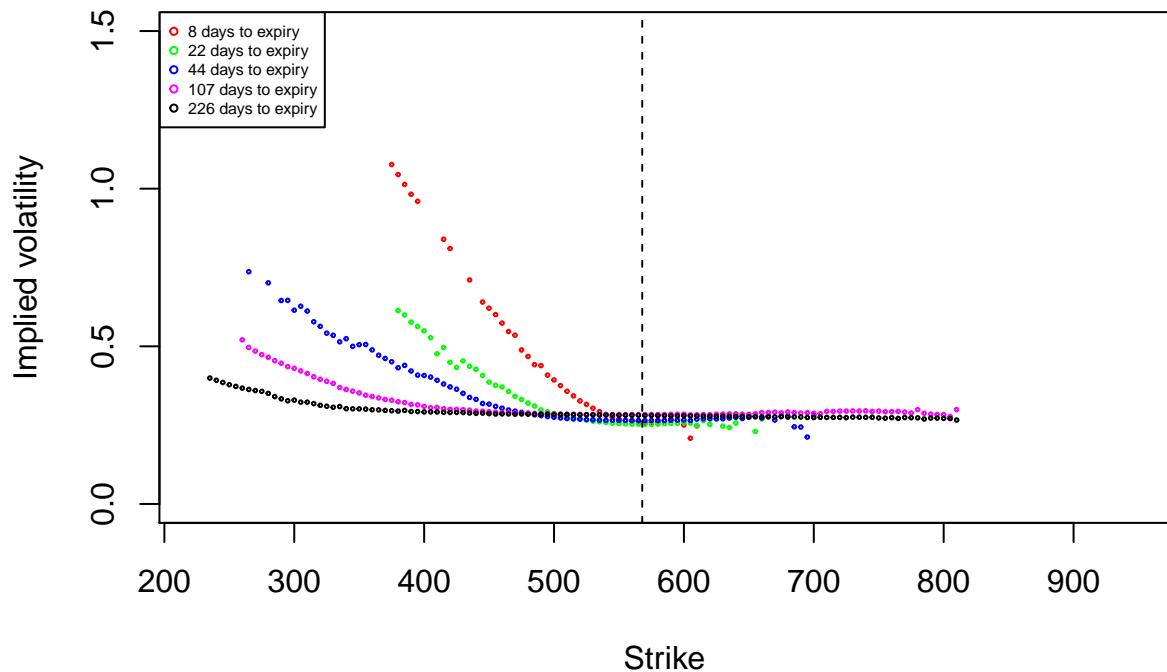
**Apple puts: 2013-12-03 (Price = 566.322)**



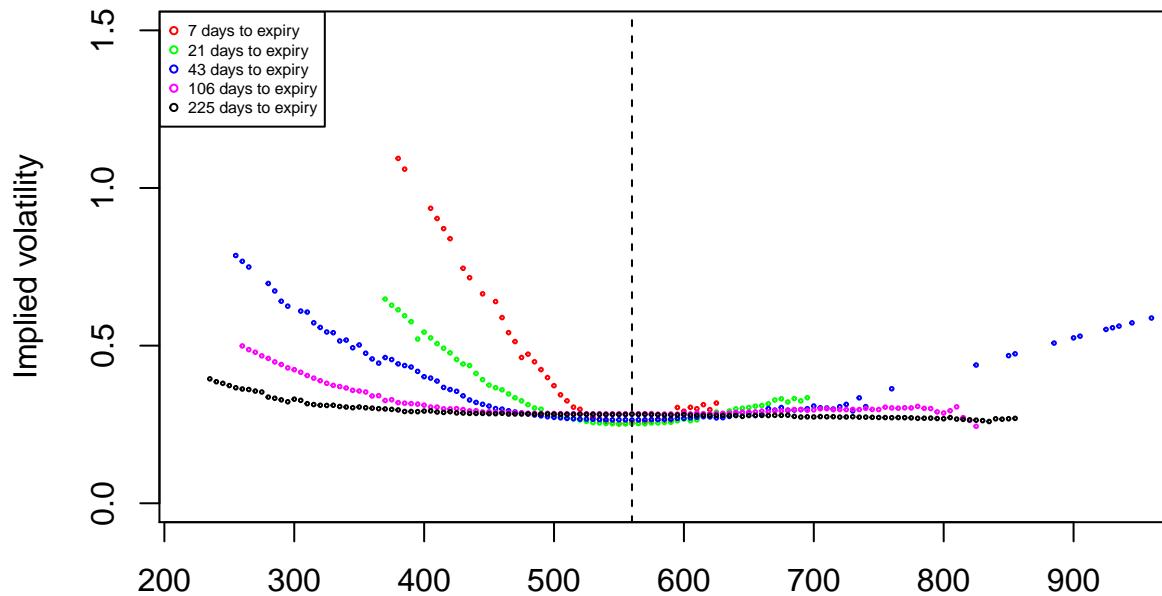
**Apple puts: 2013-12-04 (Price = 565)**



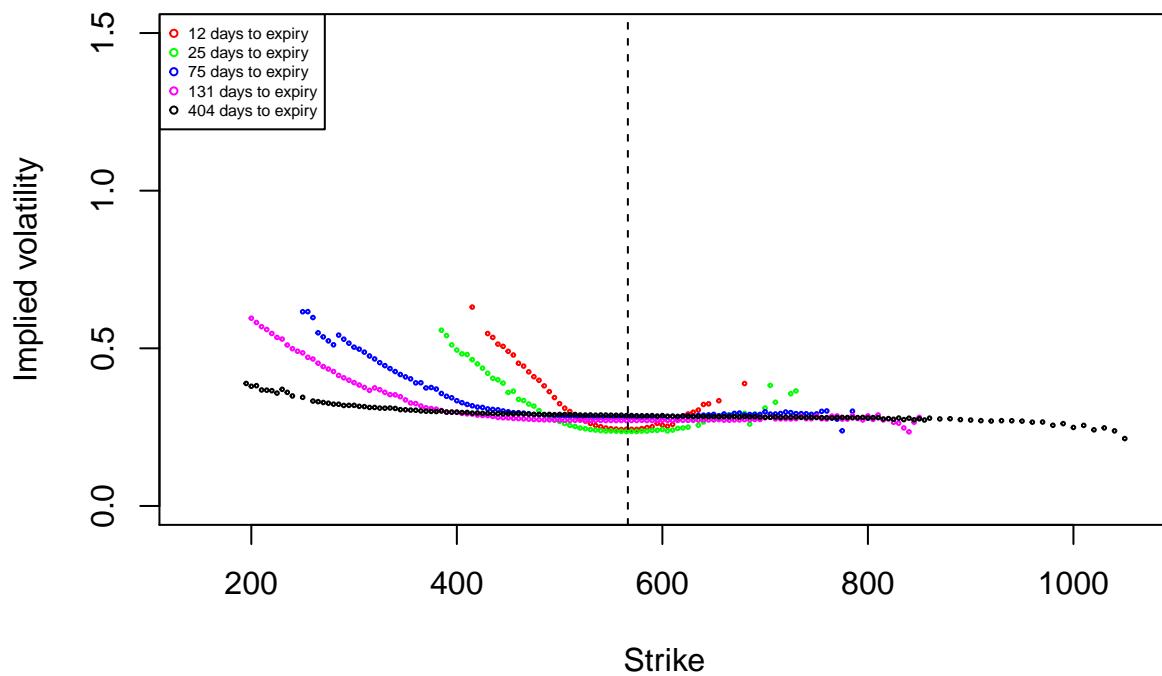
**Strike**  
**Apple puts: 2013-12-05 (Price = 567.901)**



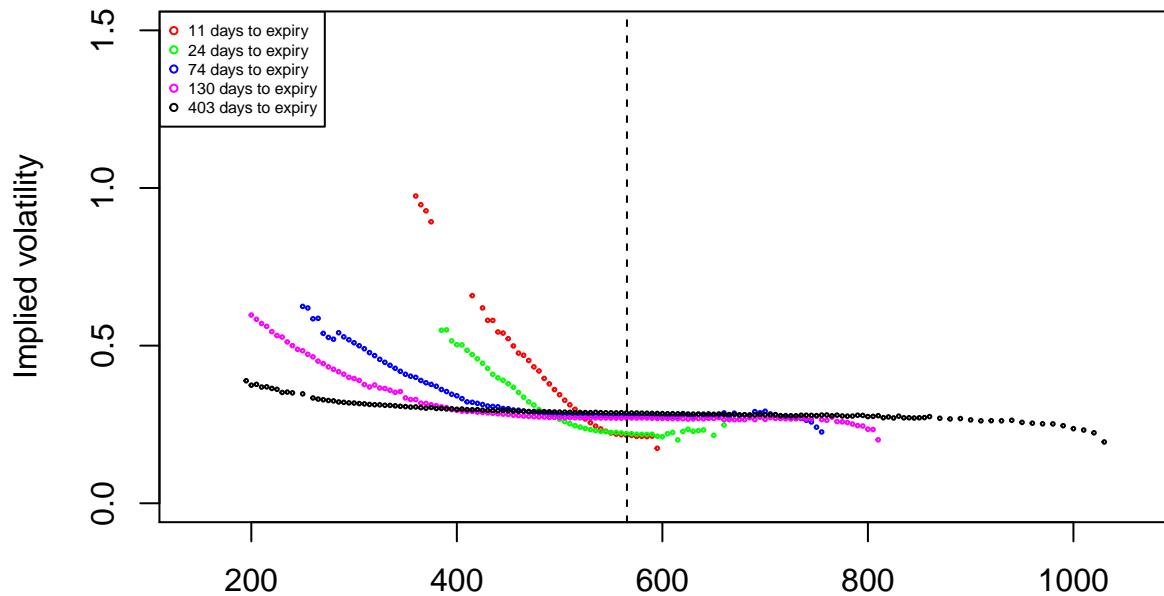
**Apple puts: 2013-12-06 (Price = 560.02)**



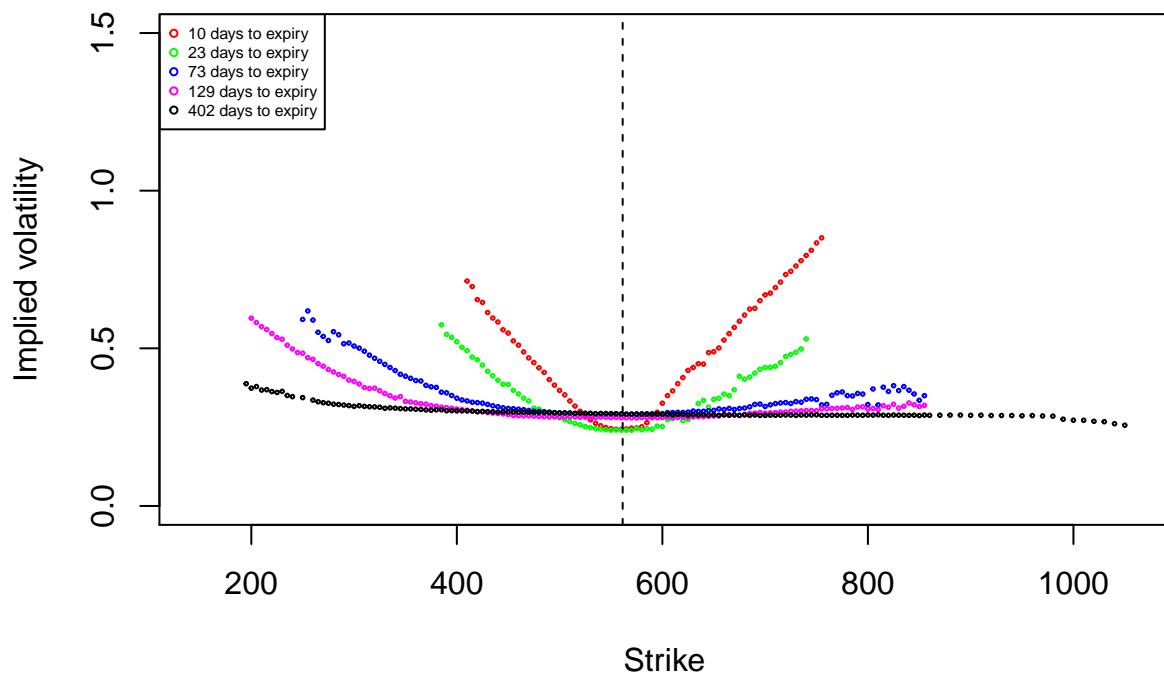
**Strike**  
**Apple puts: 2013-12-09 (Price = 566.43)**



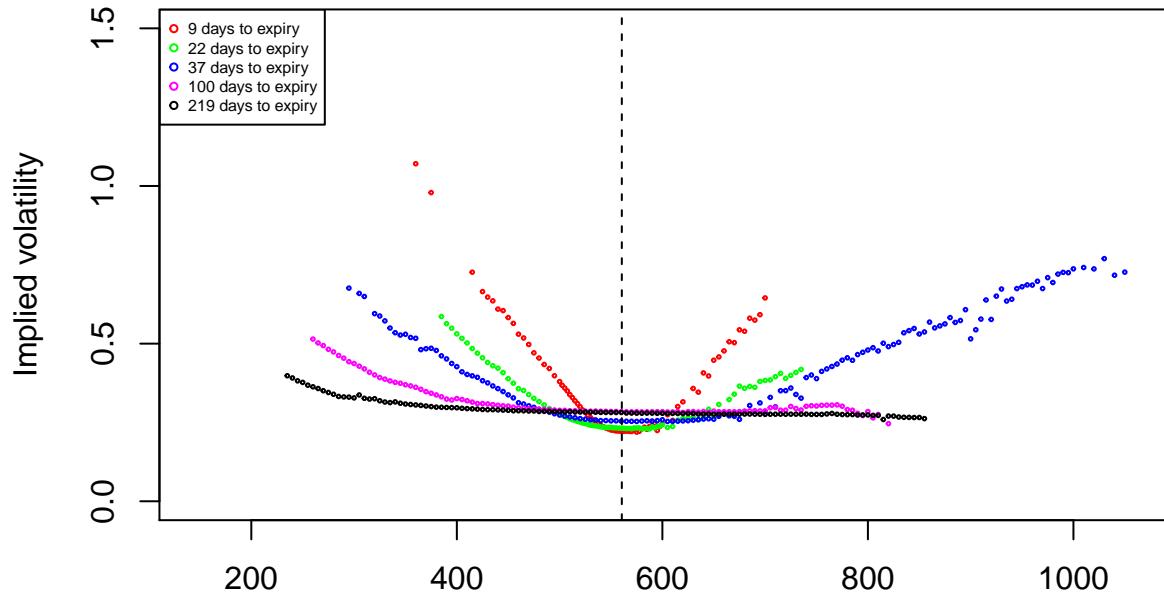
### Apple puts: 2013-12-10 (Price = 565.55)



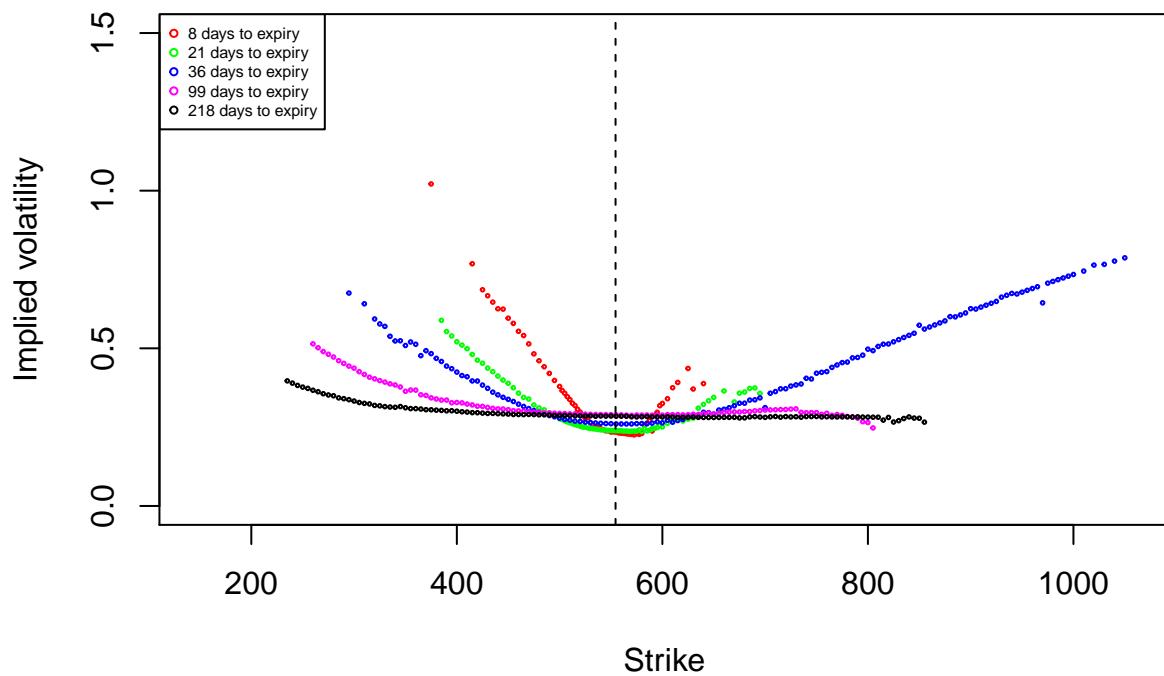
### Strike Apple puts: 2013-12-11 (Price = 561.36)



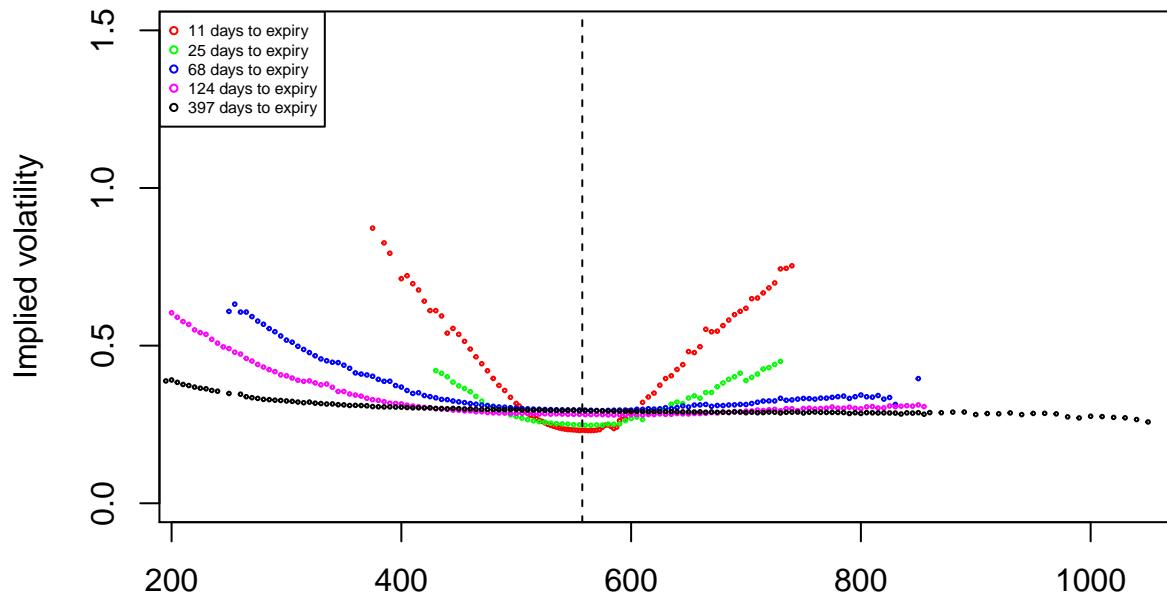
**Apple puts: 2013-12-12 (Price = 560.54)**



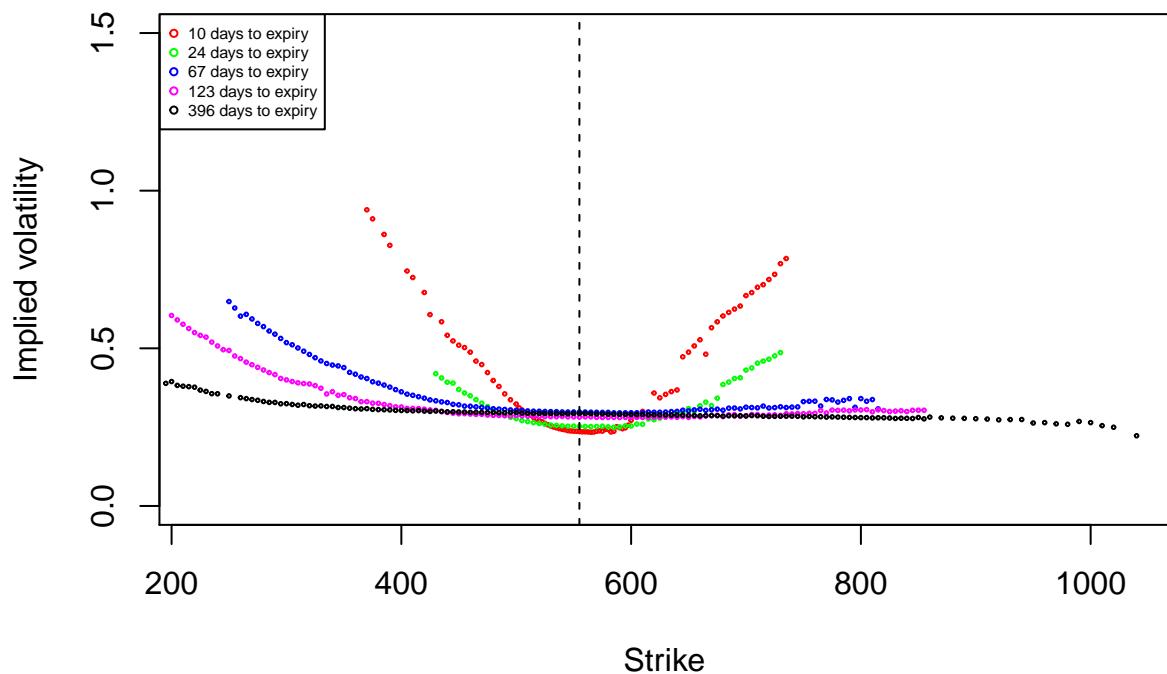
**Apple puts: 2013-12-13 (Price = 554.43)**



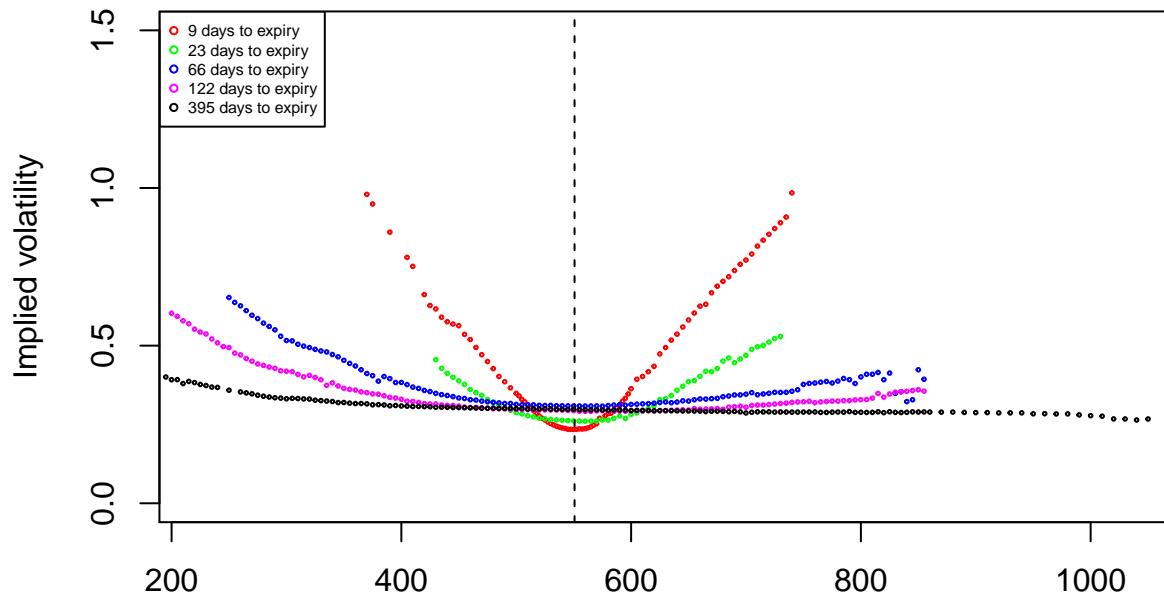
### Apple puts: 2013-12-16 (Price = 557.5)



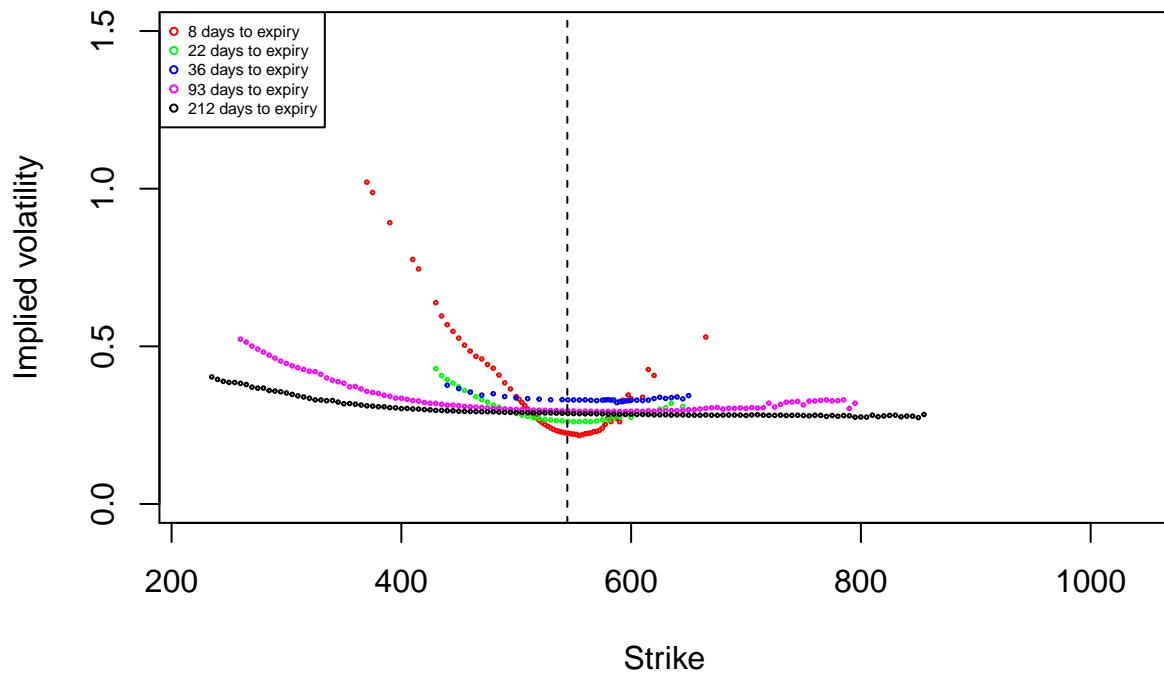
### Strike Apple puts: 2013-12-17 (Price = 554.99)



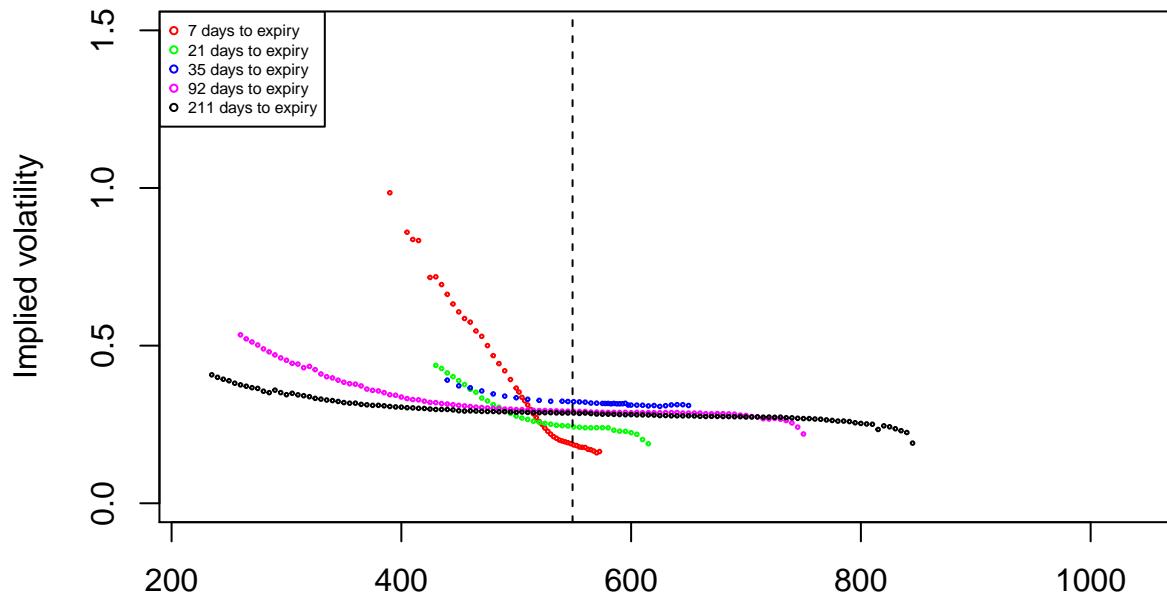
### Apple puts: 2013-12-18 (Price = 550.77)



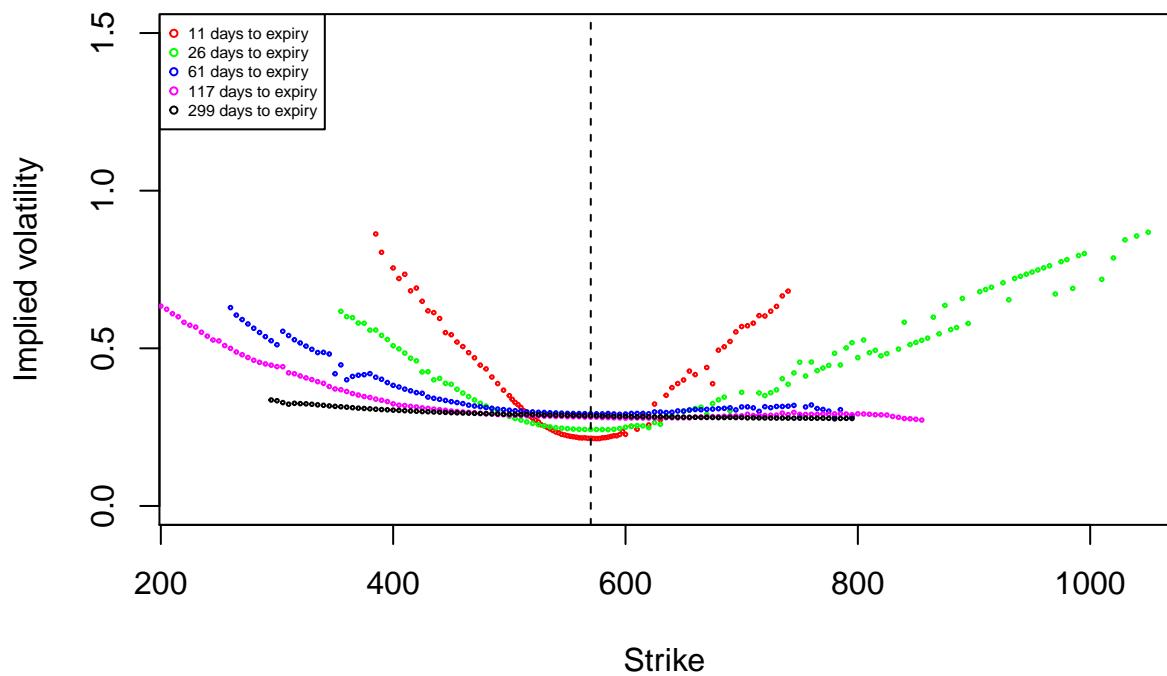
### Strike Apple puts: 2013-12-19 (Price = 544.46)



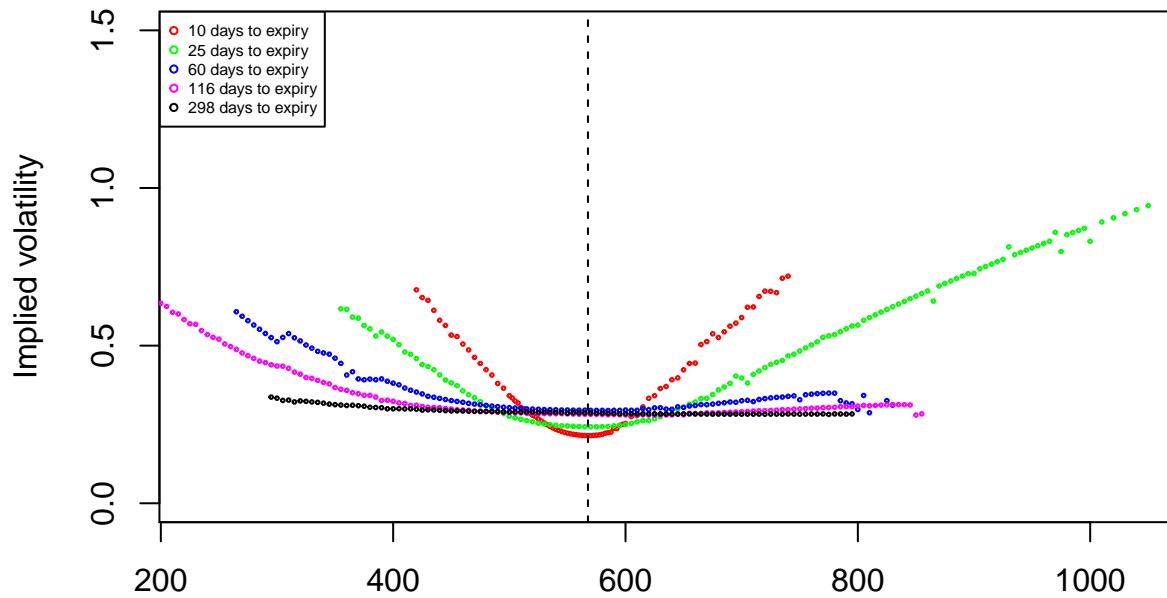
**Apple puts: 2013-12-20 (Price = 549.02)**



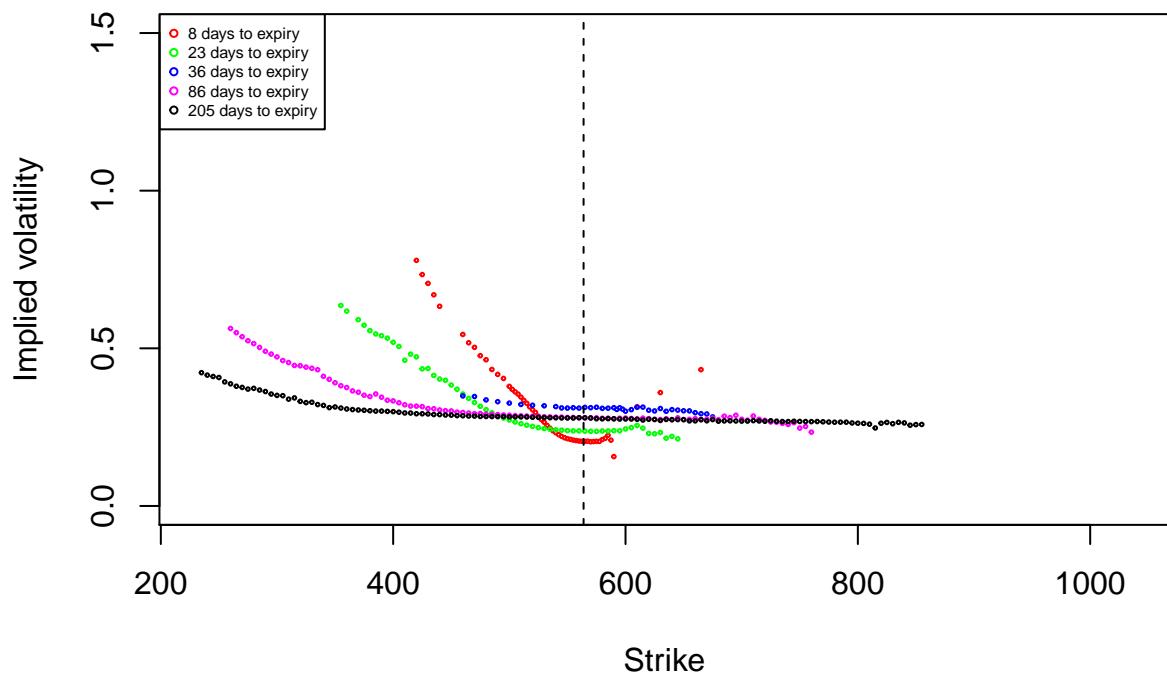
**Strike**  
**Apple puts: 2013-12-23 (Price = 570.09)**



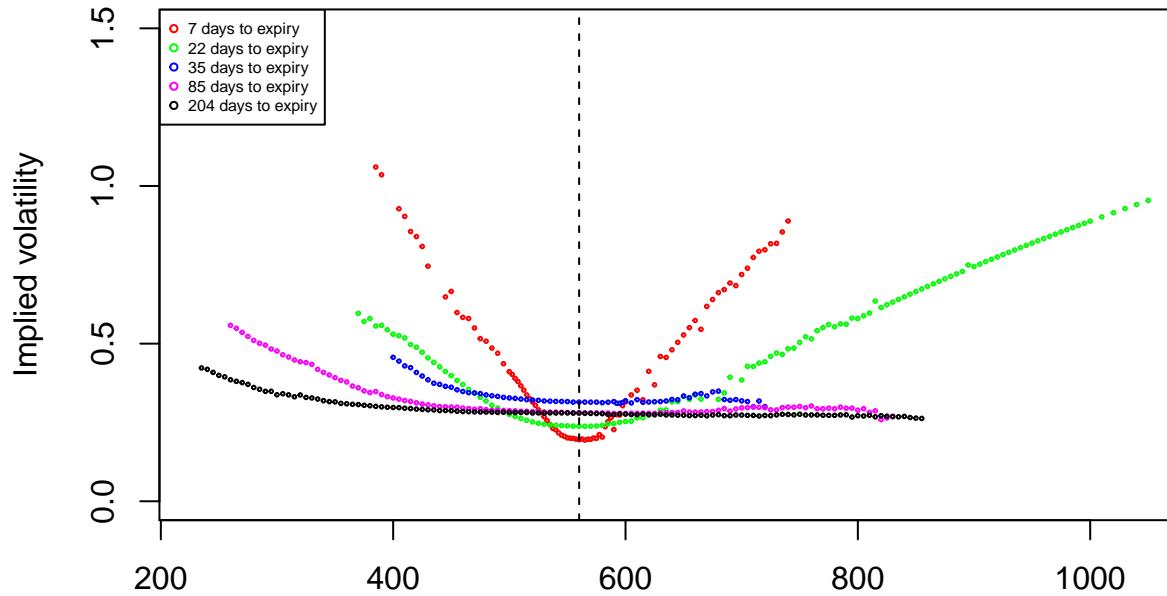
**Apple puts: 2013-12-24 (Price = 567.67)**



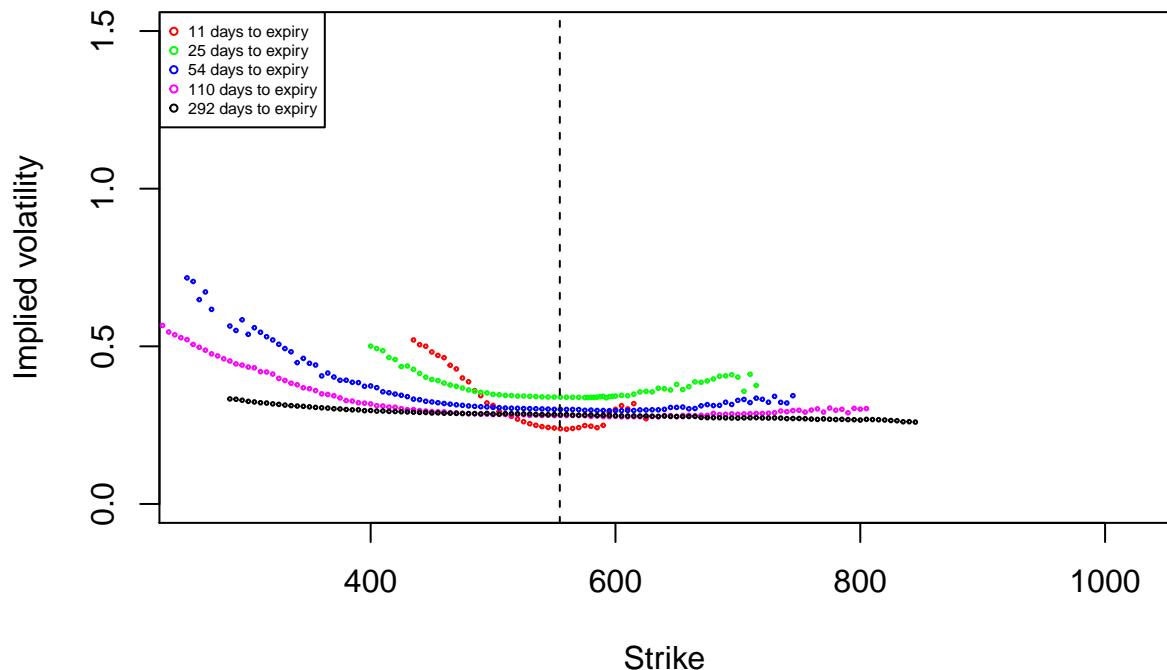
**Strike**  
**Apple puts: 2013-12-26 (Price = 563.9)**



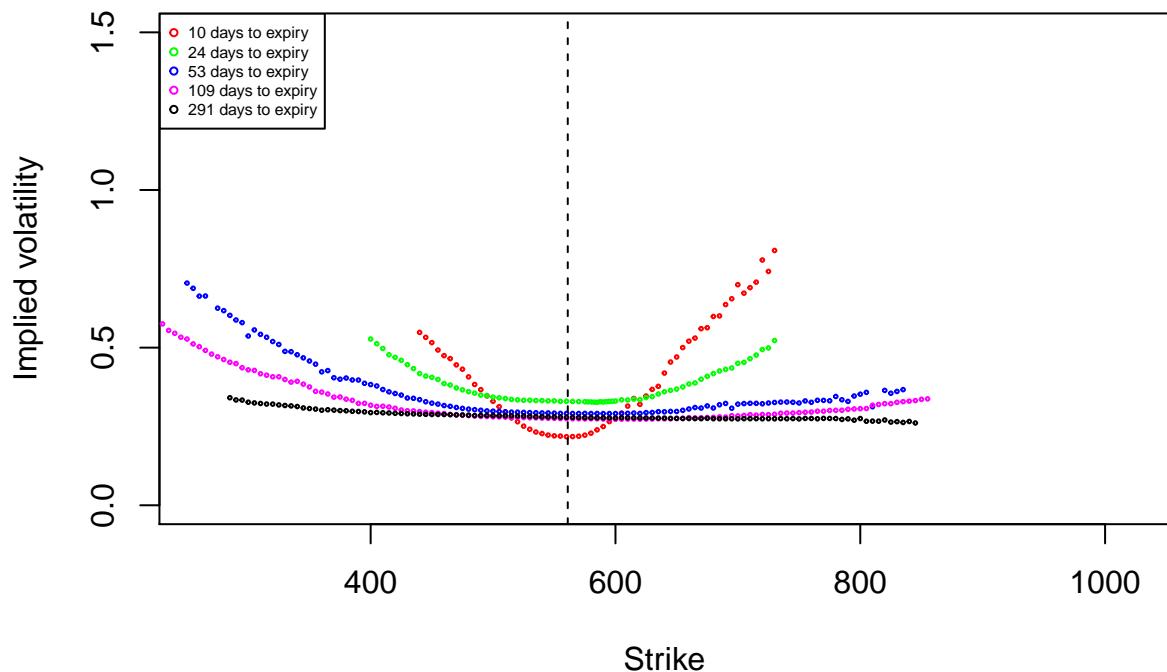
### Apple puts: 2013-12-27 (Price = 560.09)



### Strike Apple puts: 2013-12-30 (Price = 554.52)

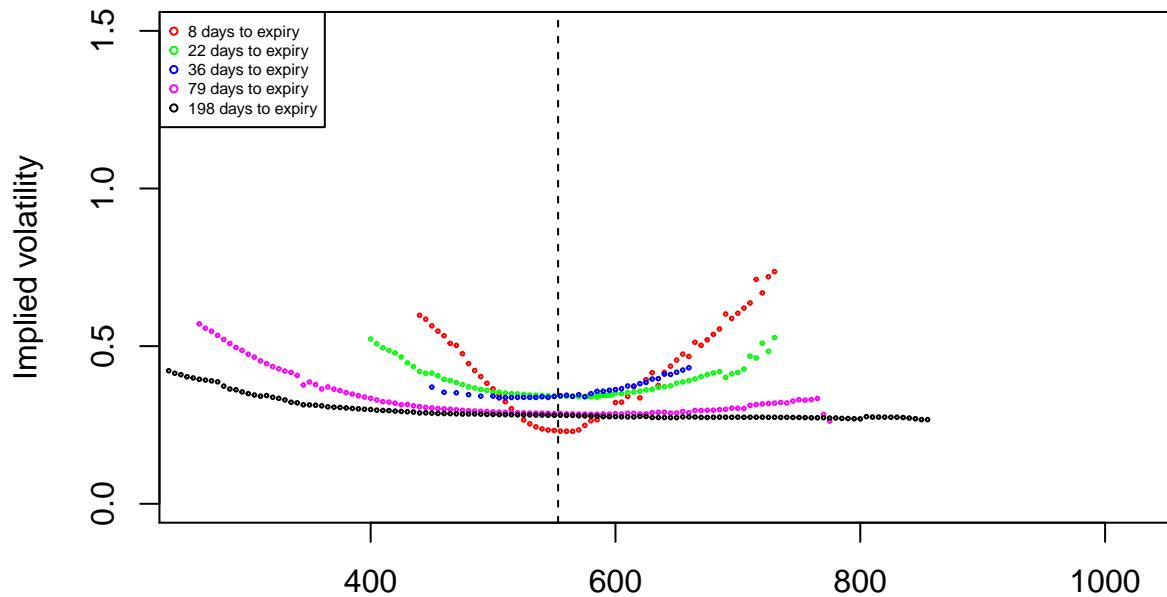


### Apple puts: 2013-12-31 (Price = 561.02)

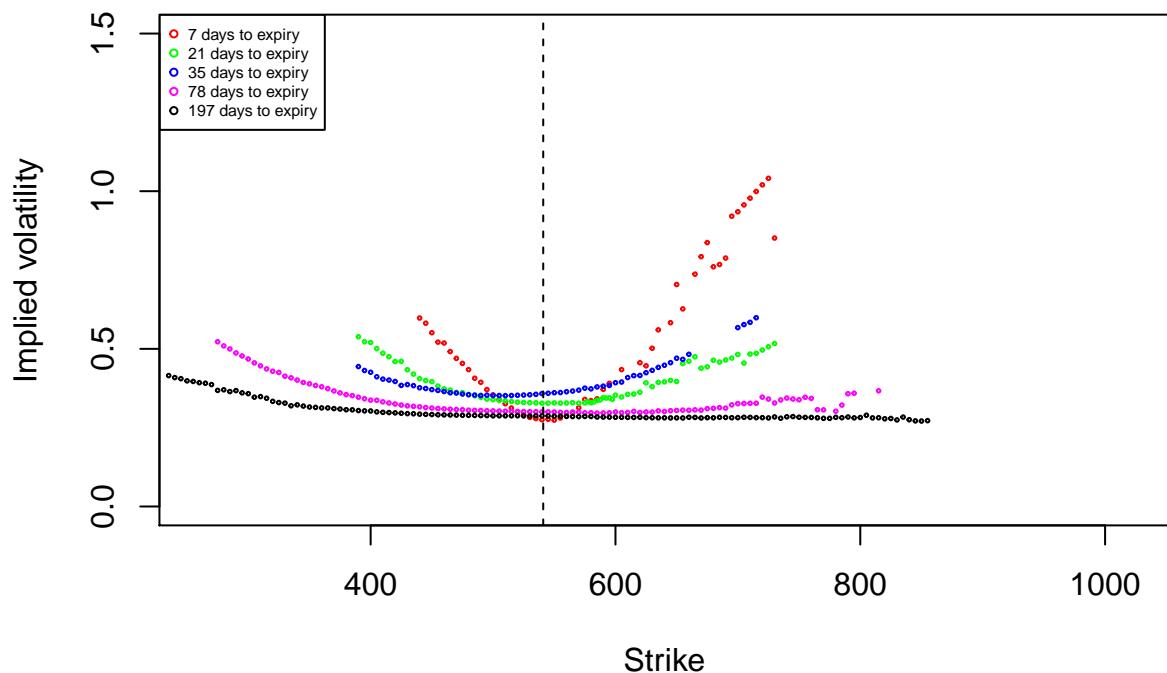


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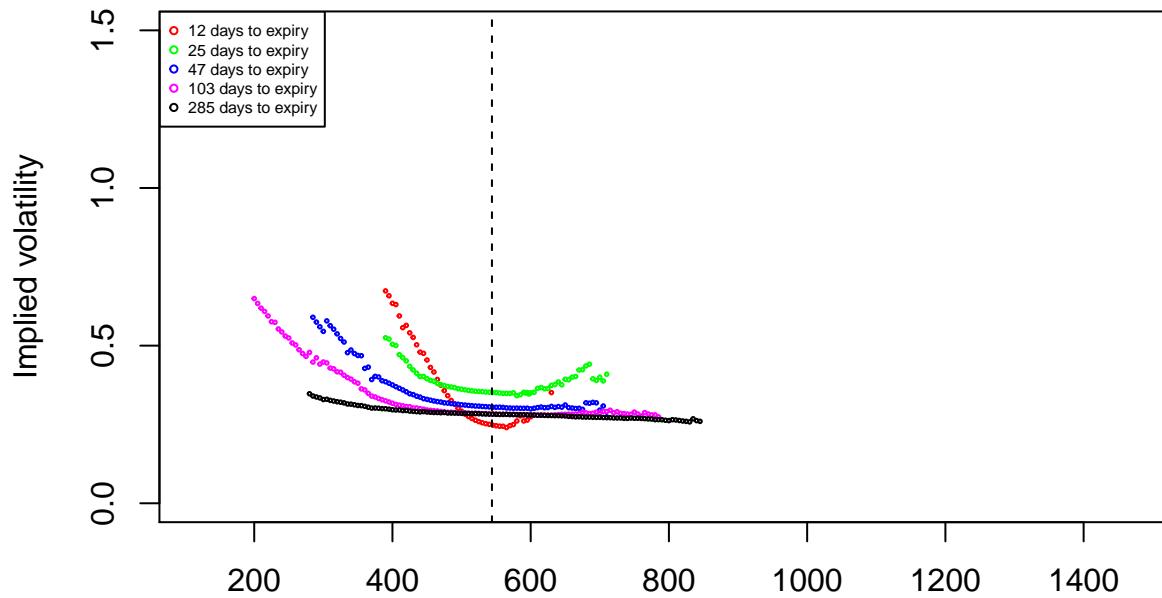
**Apple puts: 2014-01-02 (Price = 553.13)**



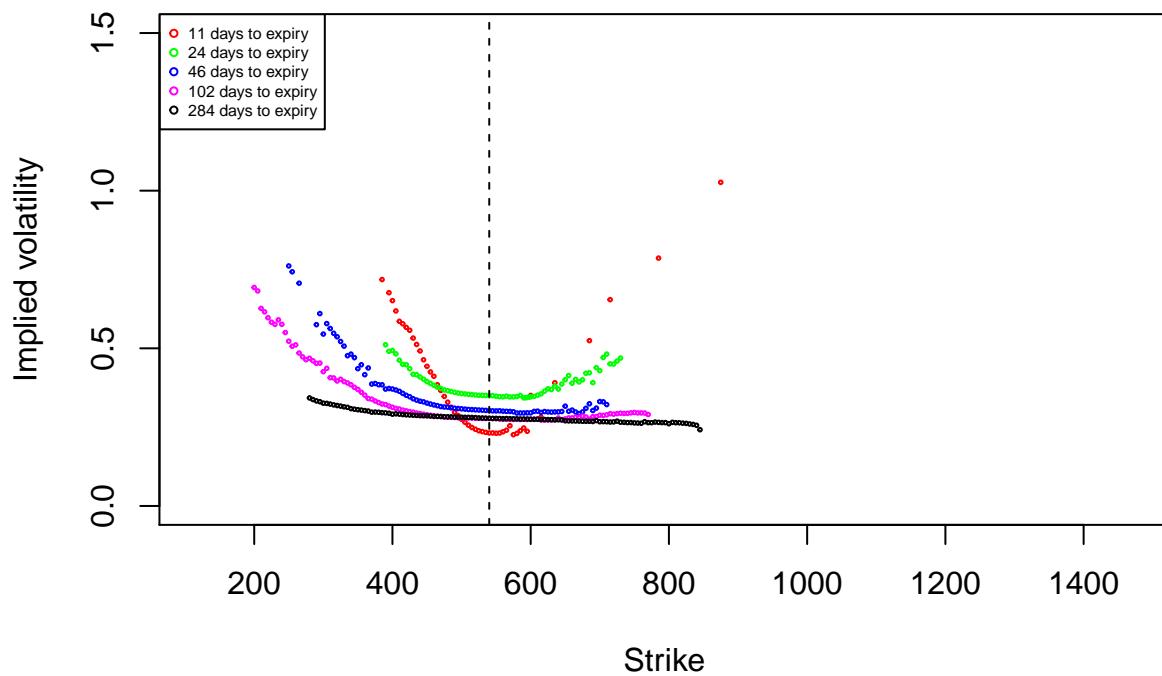
**Apple puts: 2014-01-03 (Price = 540.98)**



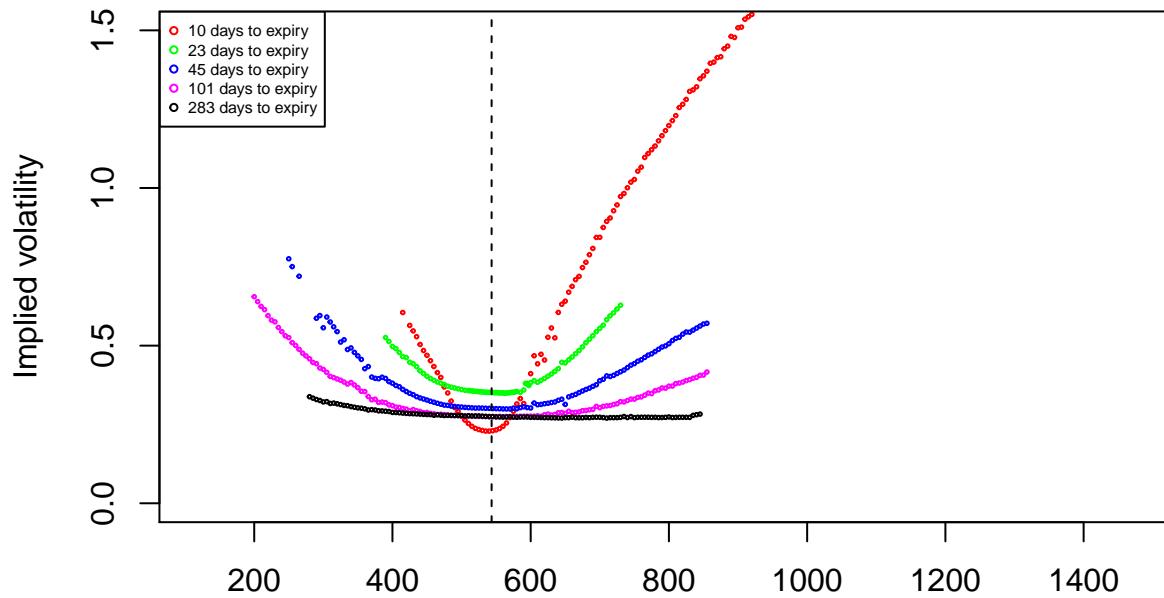
**Apple puts: 2014-01-06 (Price = 543.93)**



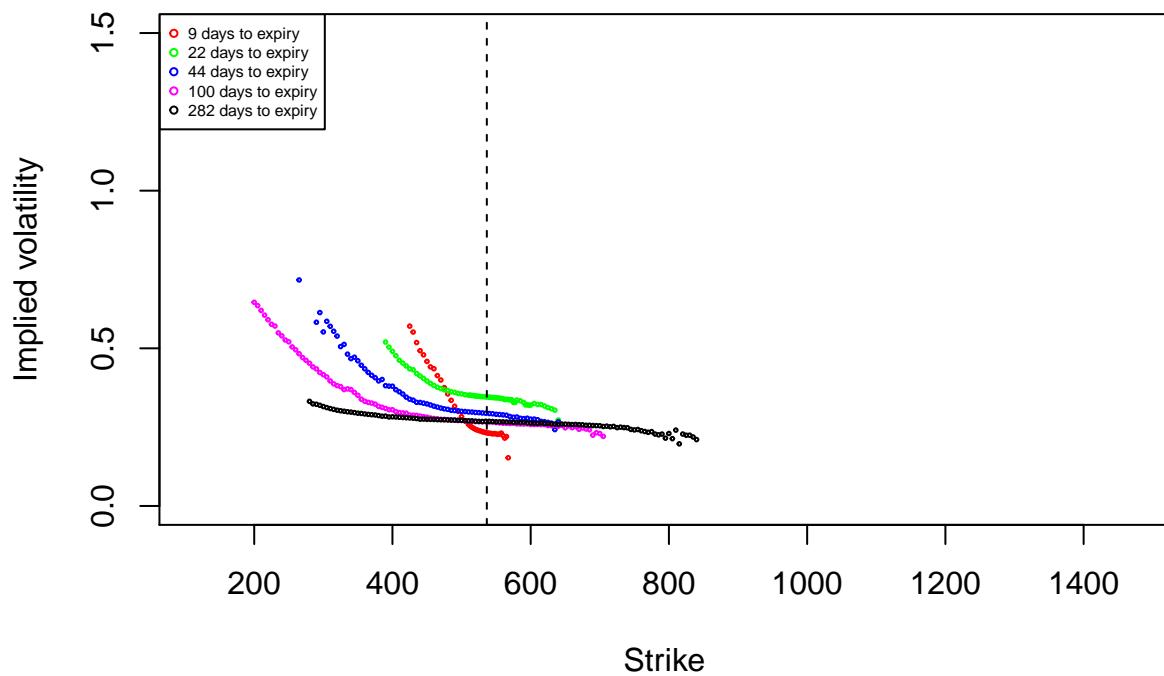
**Apple puts: 2014-01-07 (Price = 540.0375)**



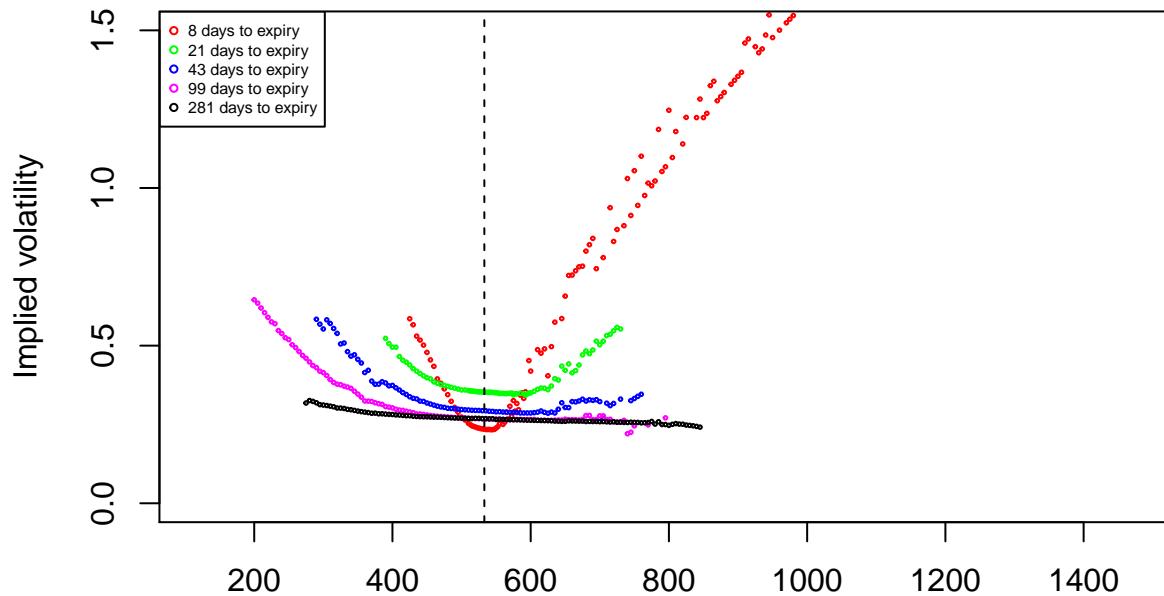
### Apple puts: 2014-01-08 (Price = 543.46)



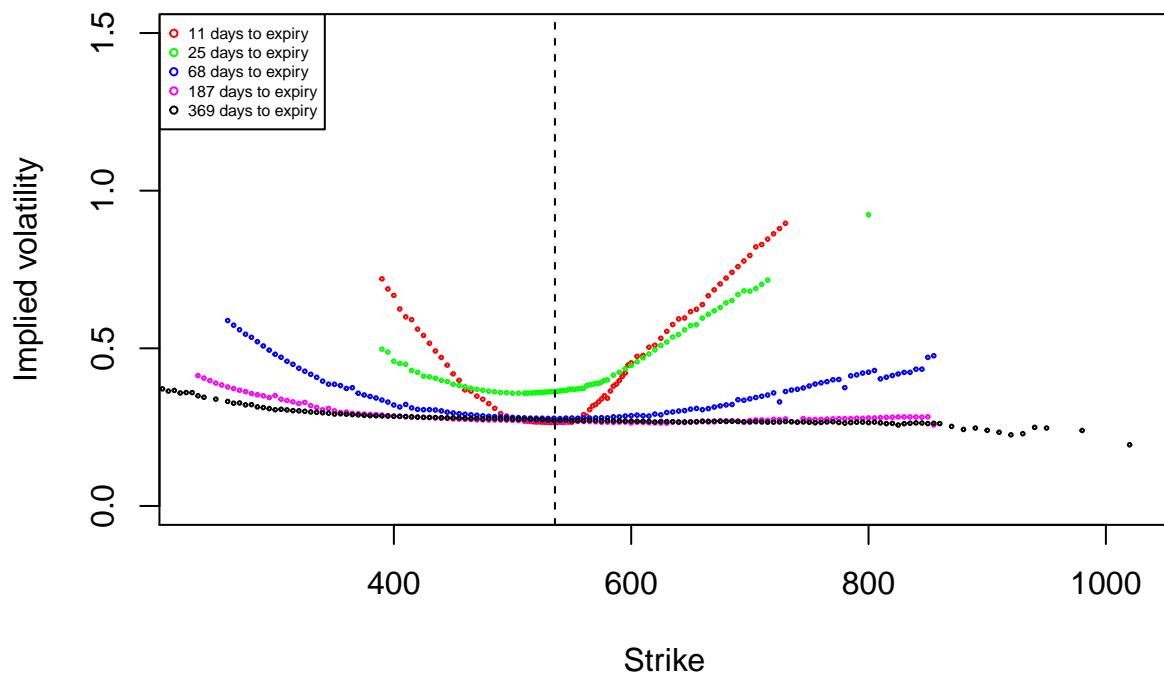
### Strike Apple puts: 2014-01-09 (Price = 536.519)



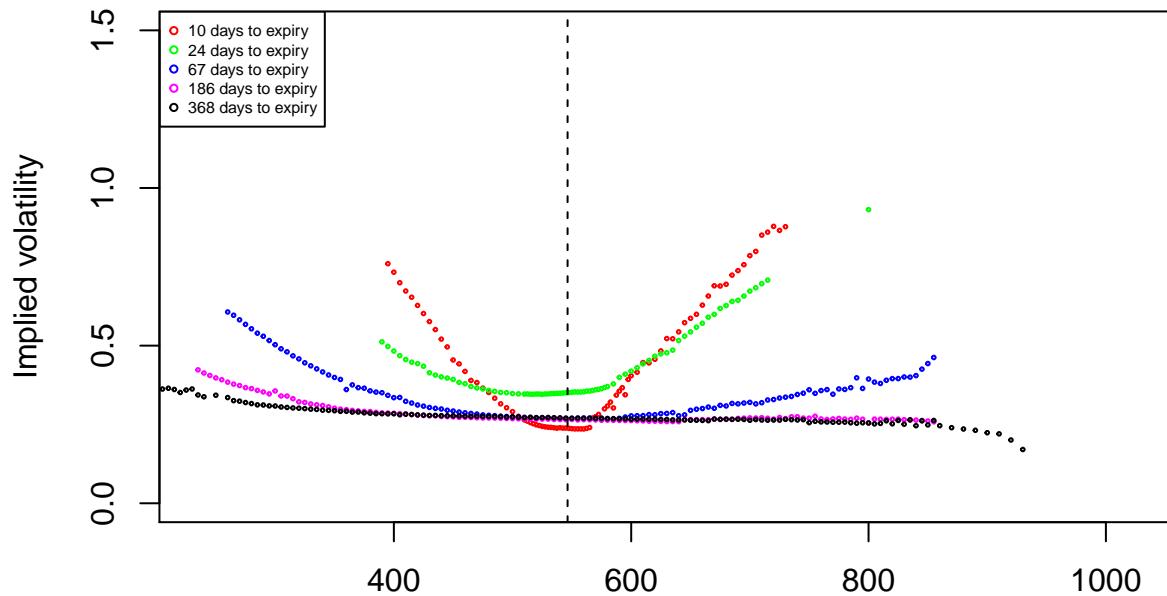
**Apple puts: 2014-01-10 (Price = 532.94)**



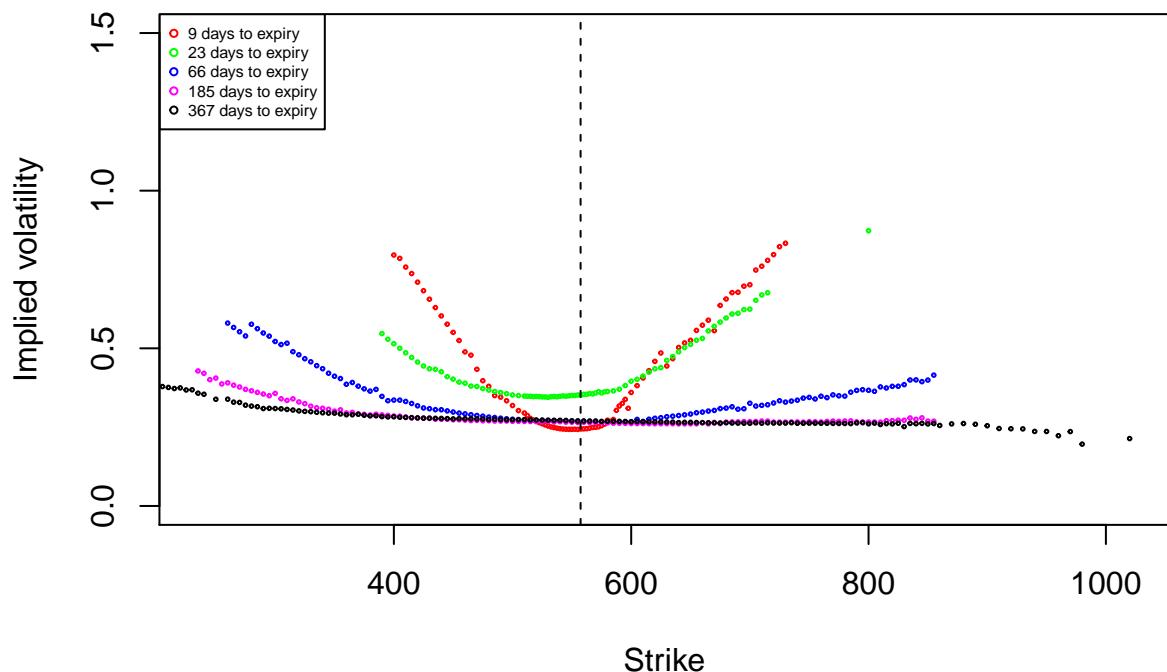
**Apple puts: 2014-01-13 (Price = 535.73)**



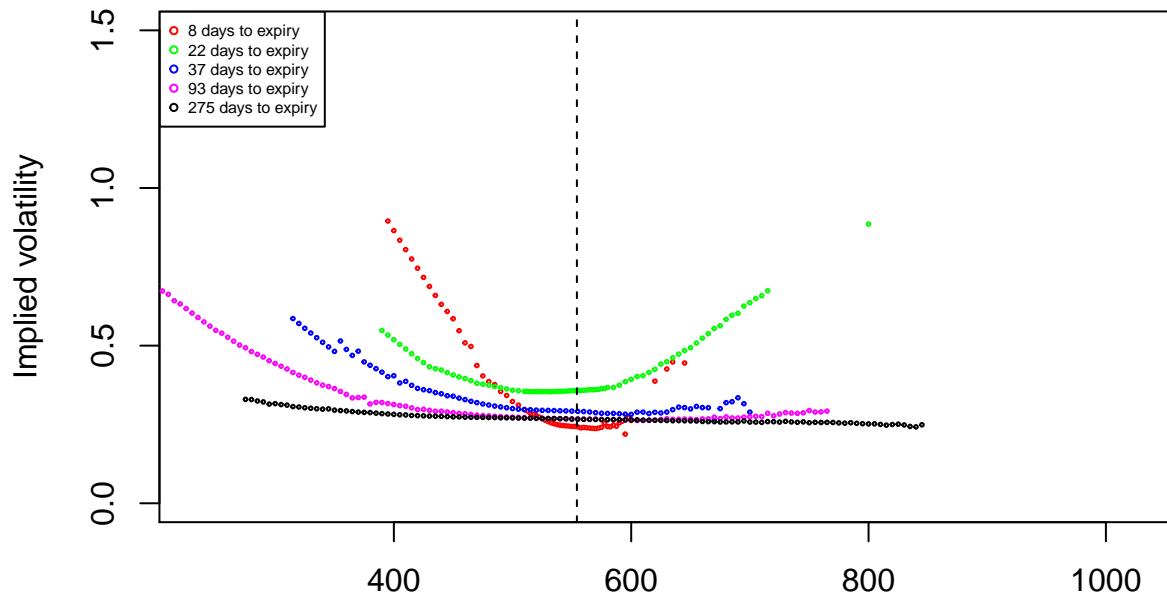
### Apple puts: 2014-01-14 (Price = 546.39)



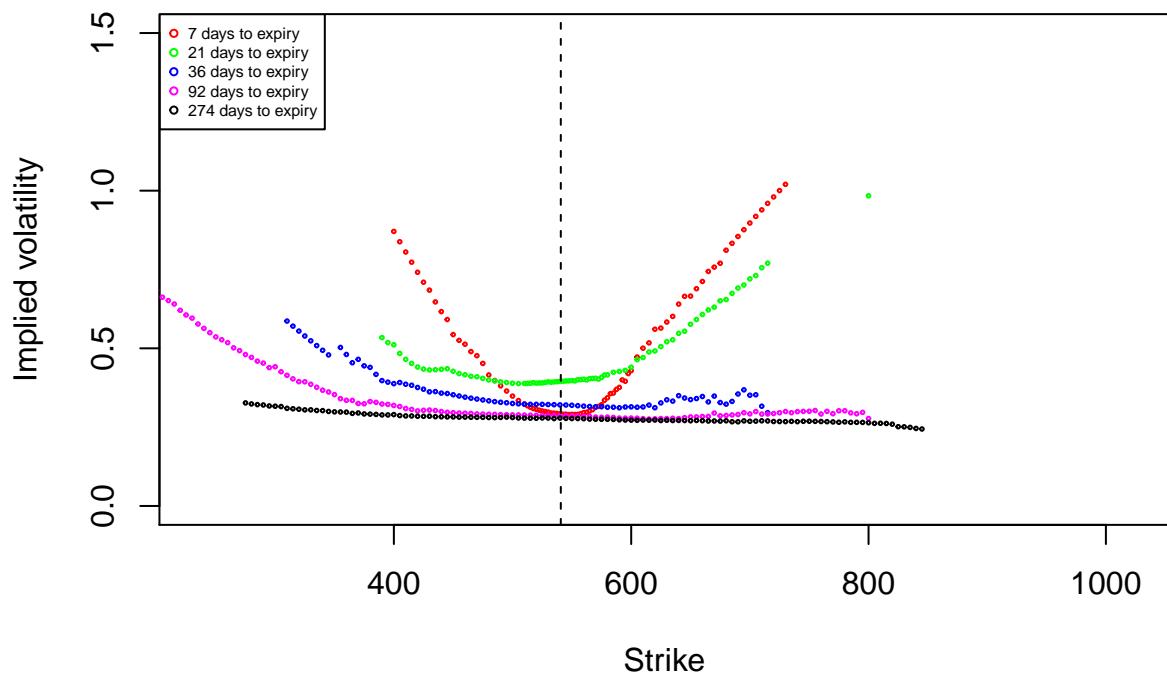
### Strike Apple puts: 2014-01-15 (Price = 557.36)



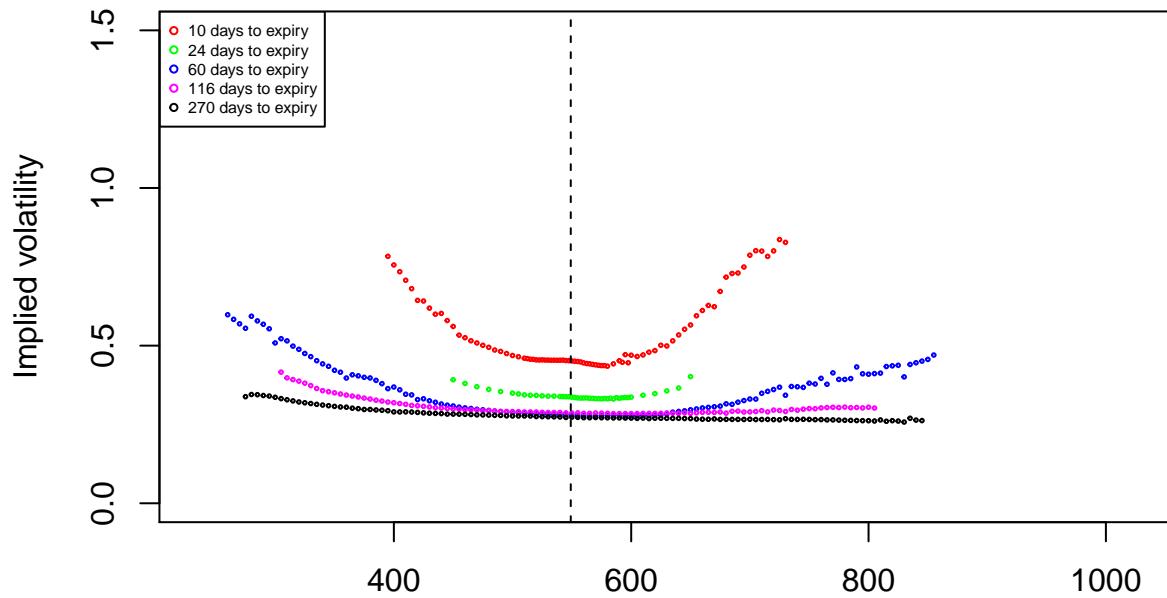
**Apple puts: 2014-01-16 (Price = 554.25)**



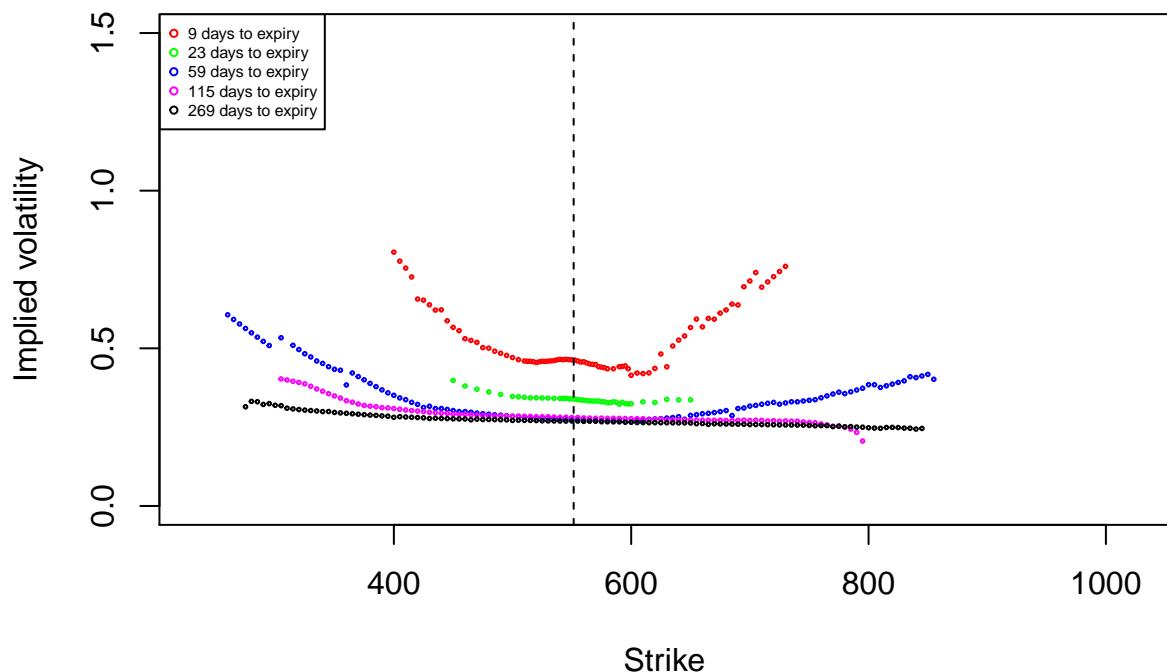
**Apple puts: 2014-01-17 (Price = 540.67)**



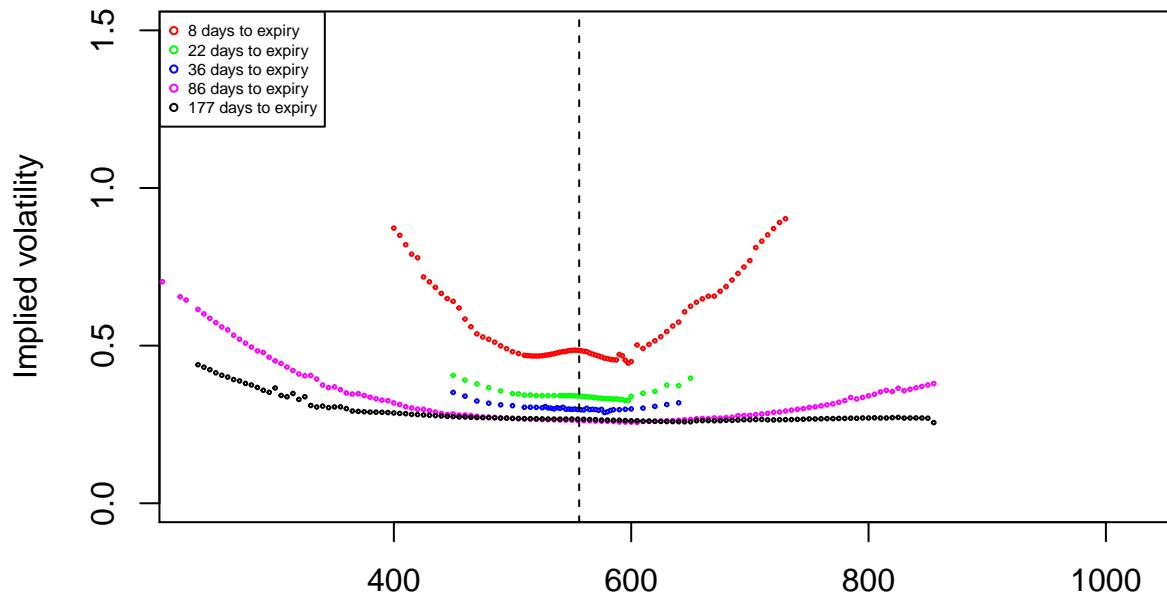
**Apple puts: 2014-01-21 (Price = 549.07)**



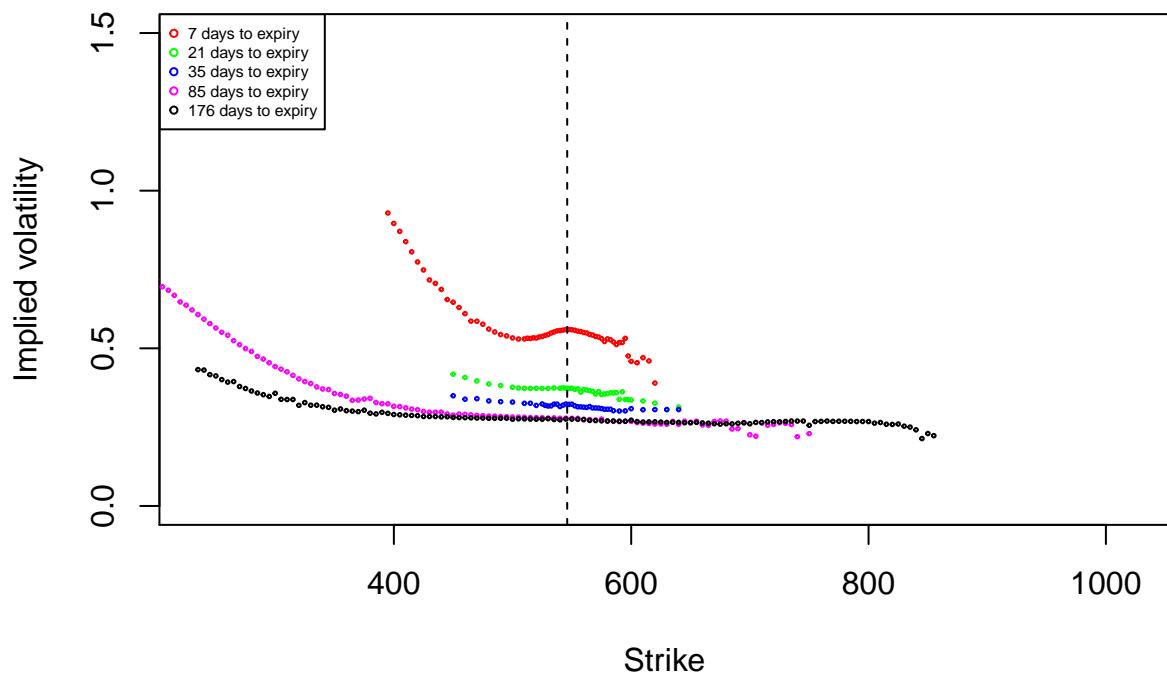
**Strike**  
**Apple puts: 2014-01-22 (Price = 551.51)**



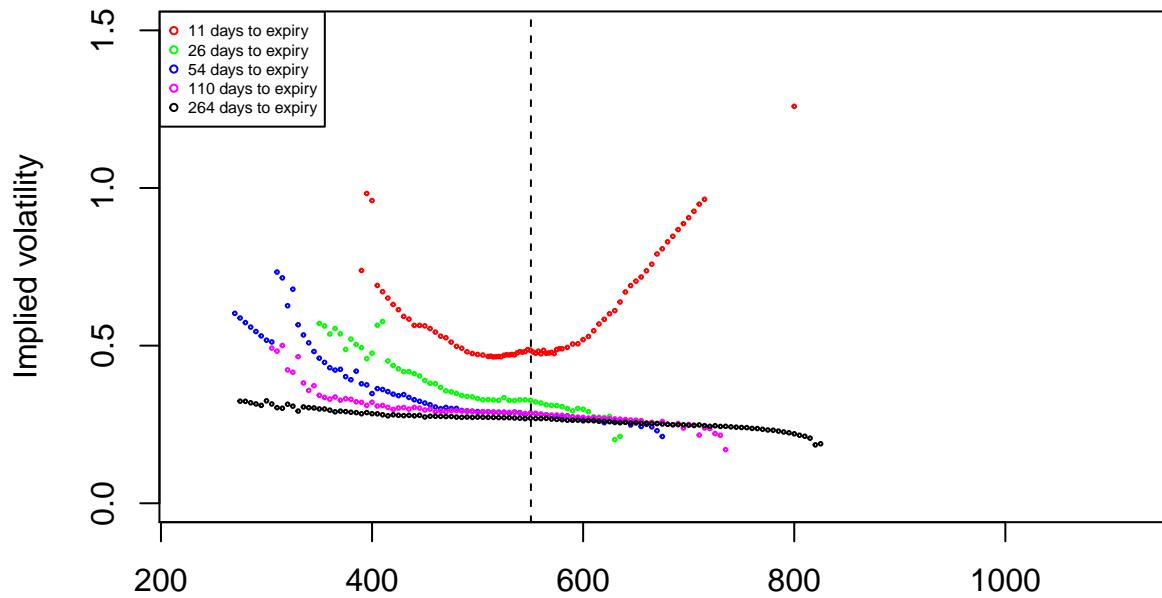
**Apple puts: 2014-01-23 (Price = 556.18)**



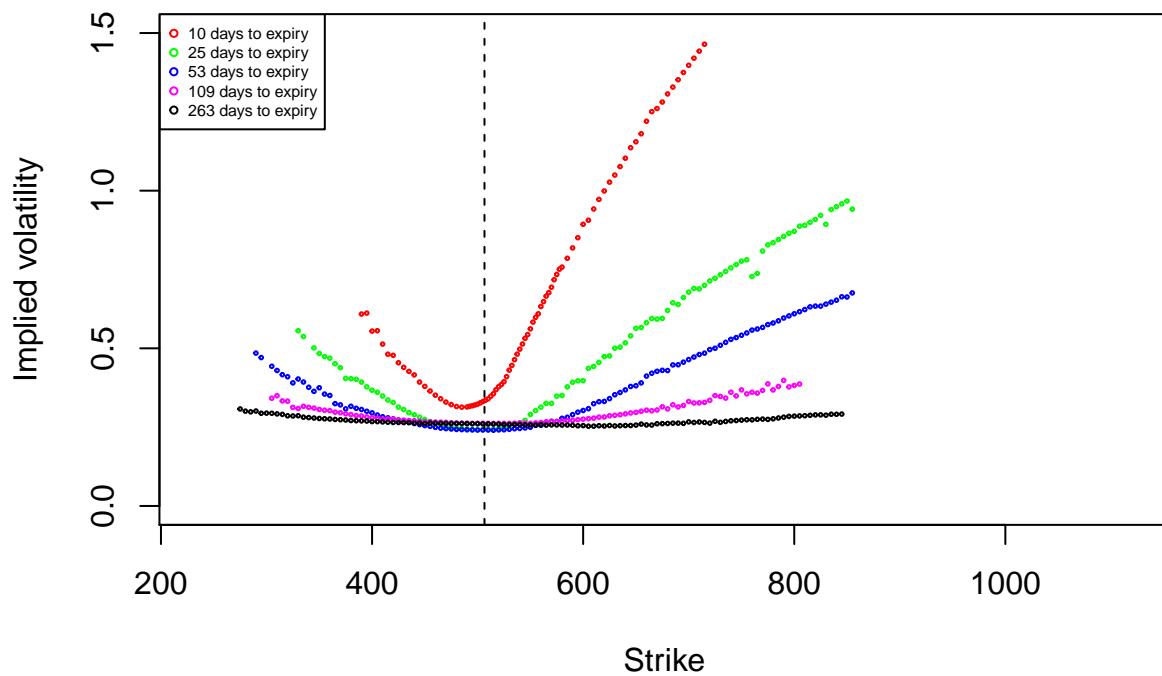
**Strike**  
**Apple puts: 2014-01-24 (Price = 546.07)**



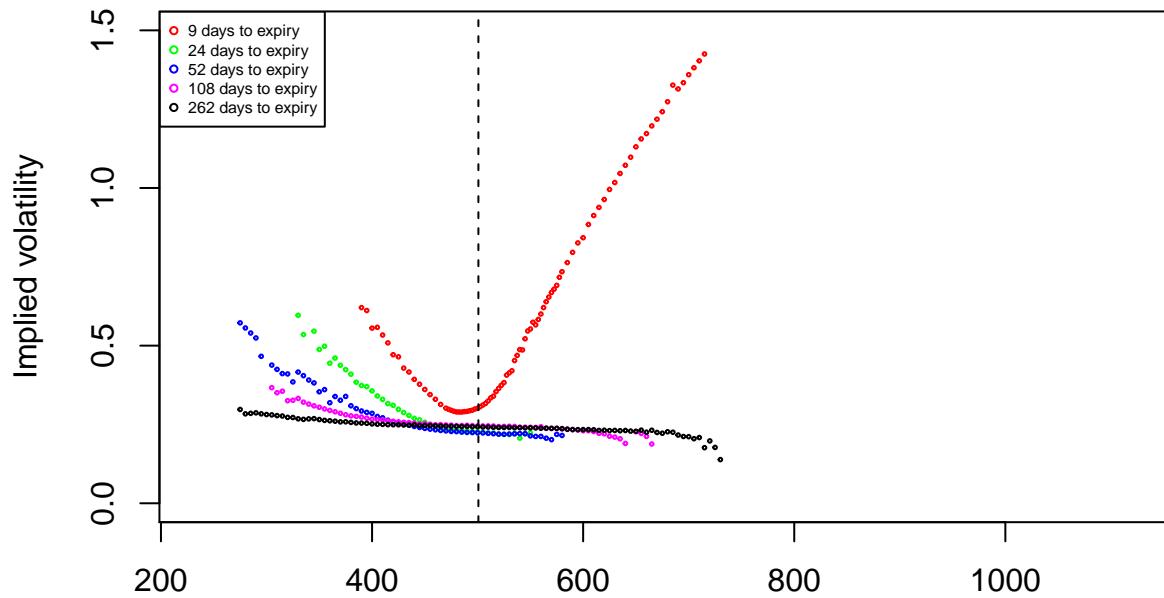
### Apple puts: 2014-01-27(Earnings Announcement) (Price = 550.5)



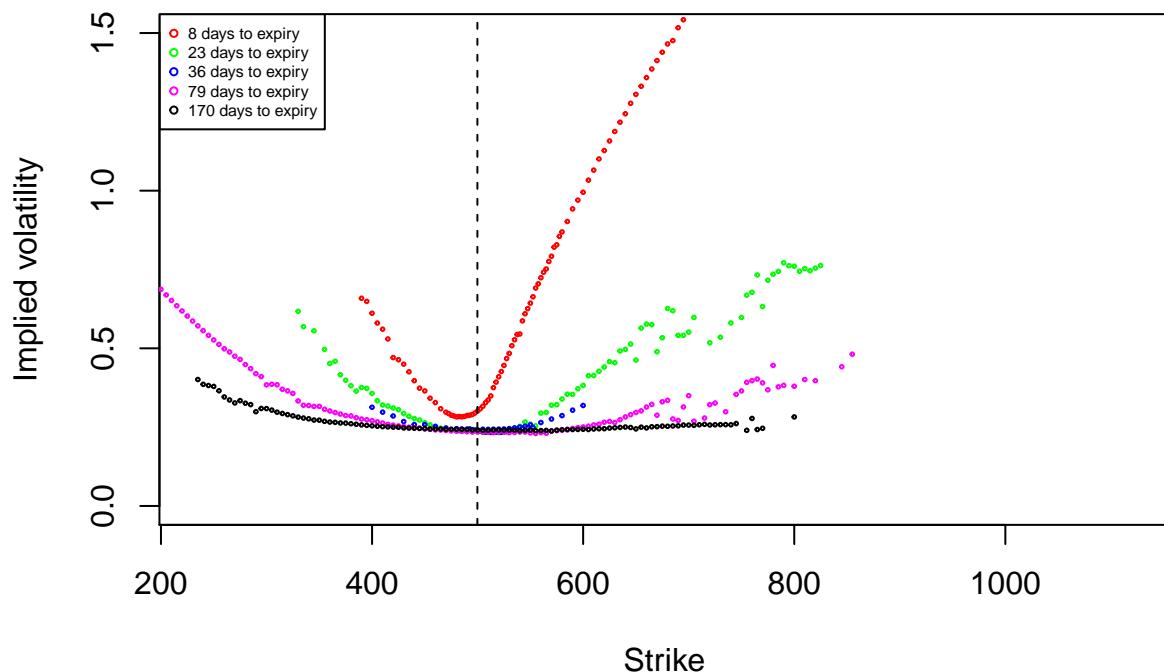
### Apple puts: 2014-01-28 (Price = 506.5)



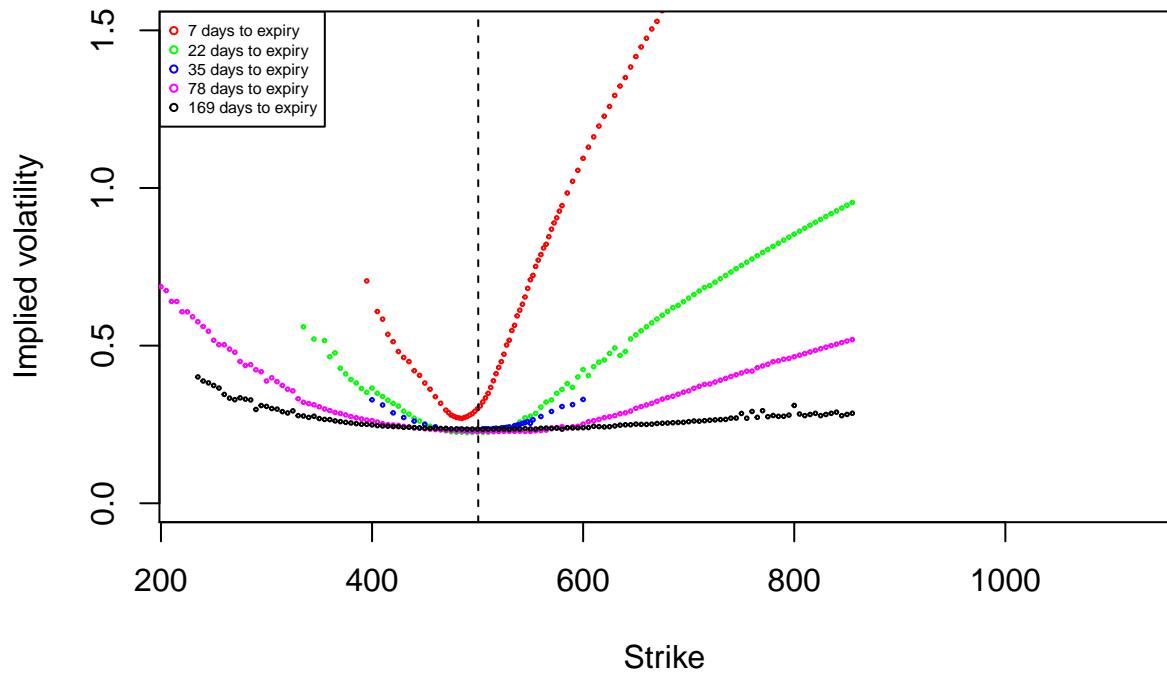
### Apple puts: 2014-01-29 (Price = 500.75)



### Apple puts: 2014-01-30 (Price = 499.782)

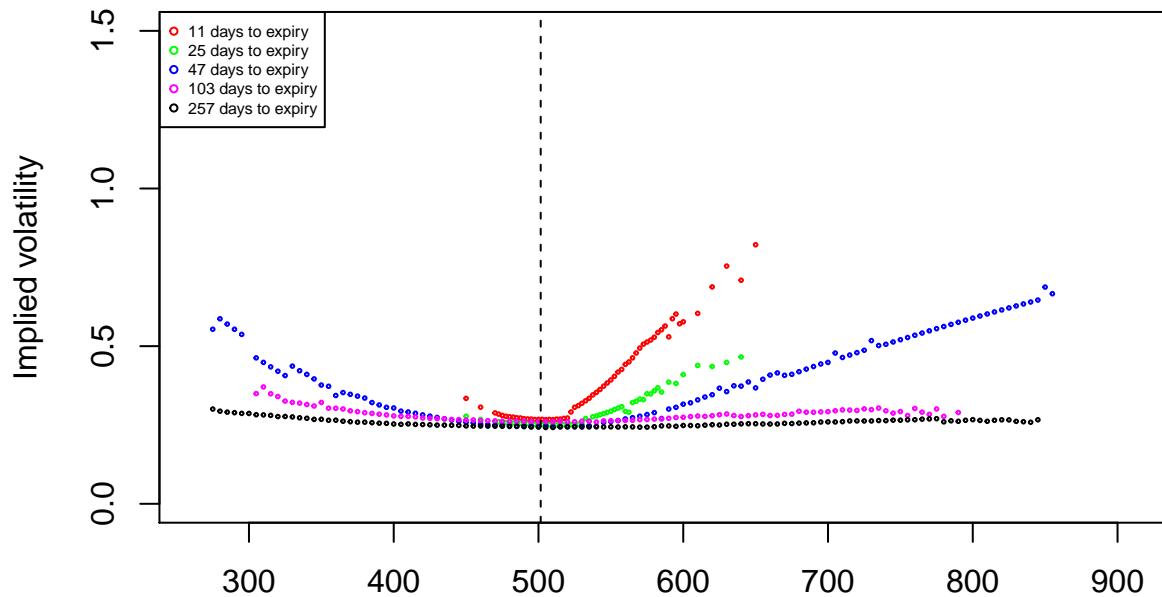


### Apple puts: 2014-01-31 (Price = 500.6)

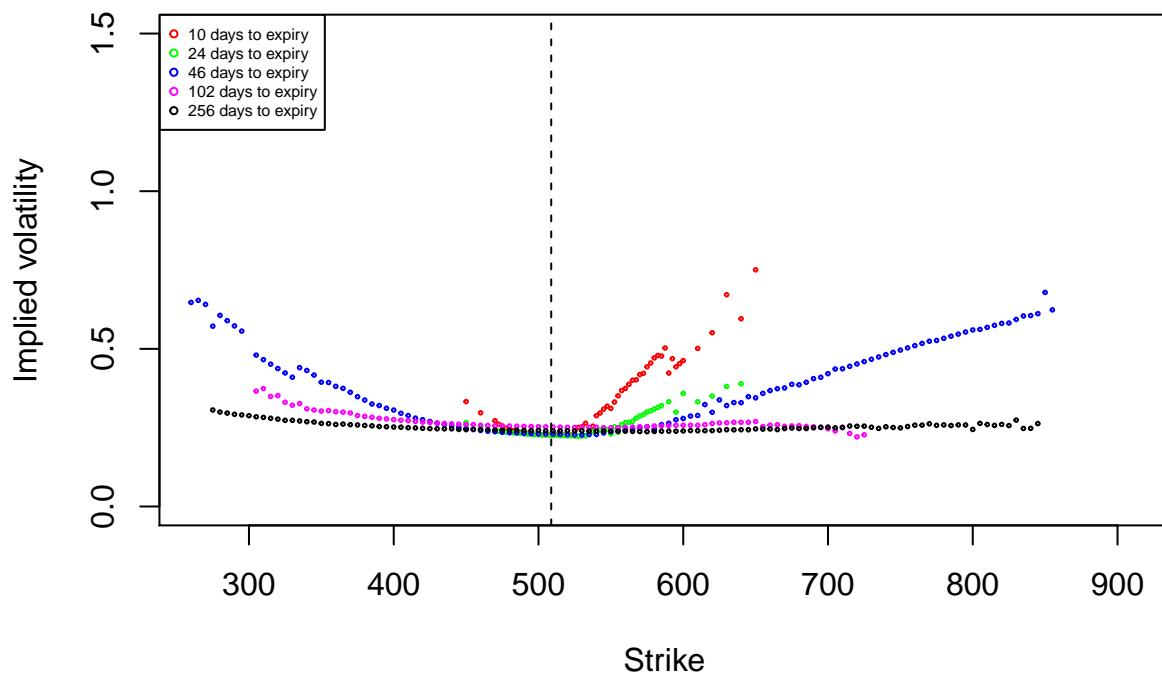


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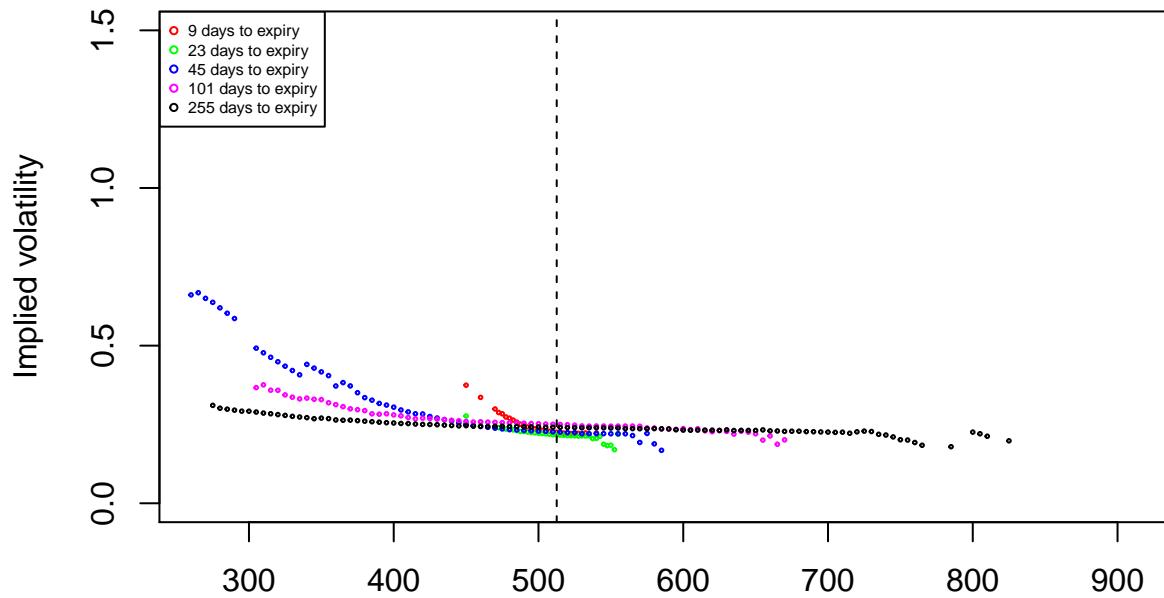
**Apple puts: 2014-02-03 (Price = 501.53)**



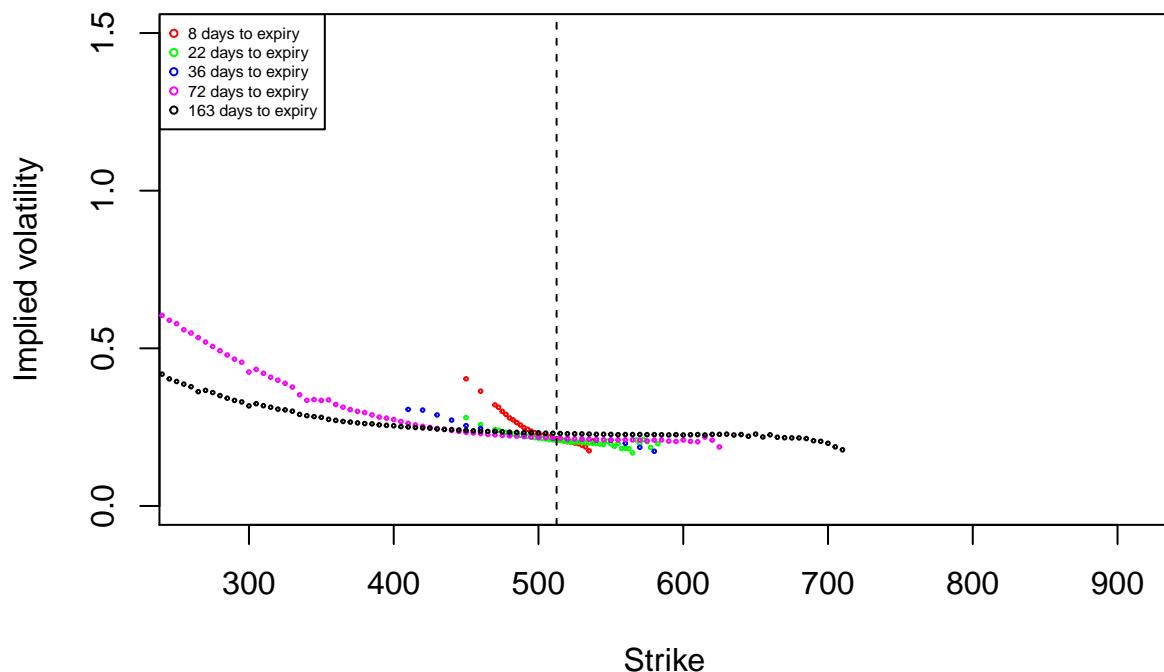
**Apple puts: 2014-02-04 (Price = 508.79)**



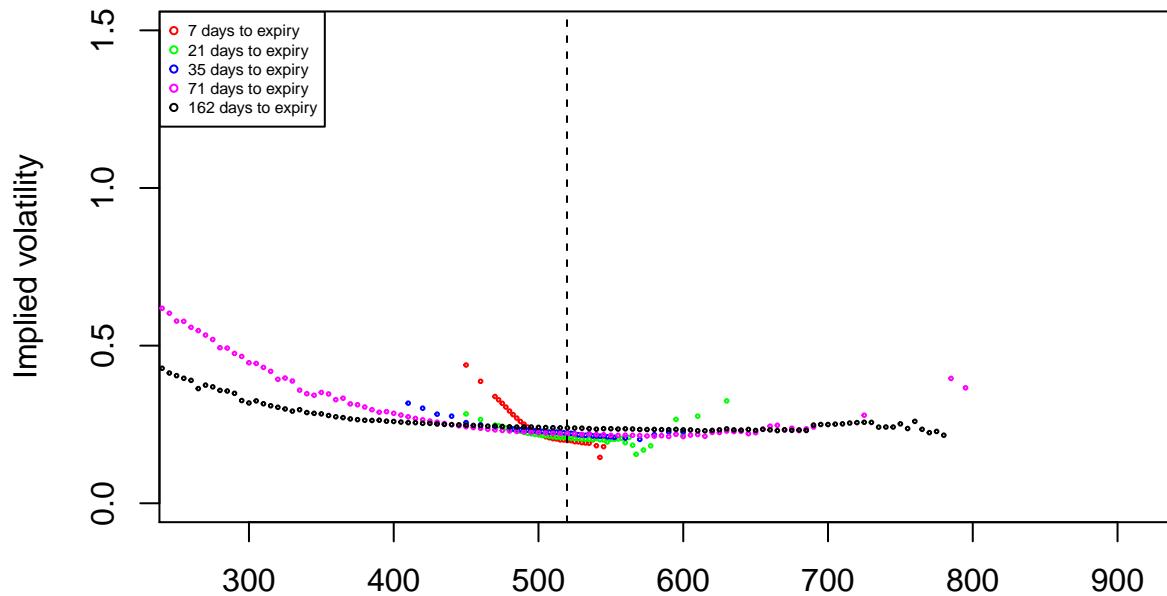
**Apple puts: 2014-02-05 (Price = 512.59)**



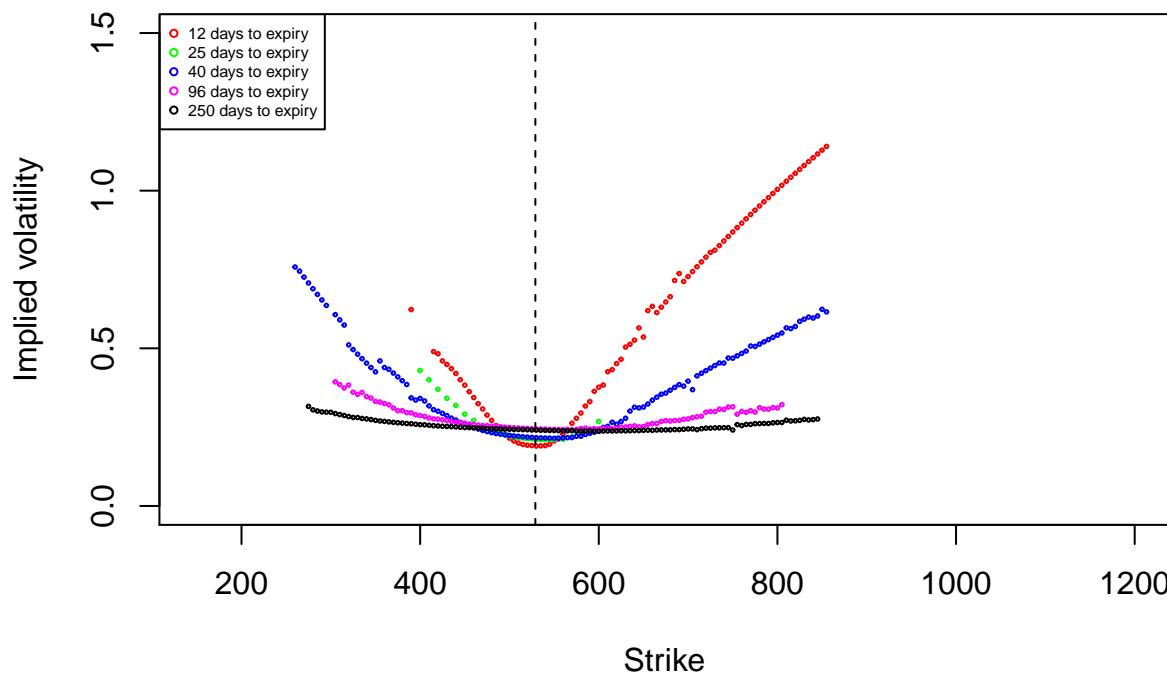
**Strike**  
**Apple puts: 2014-02-06 (Price = 512.51)**



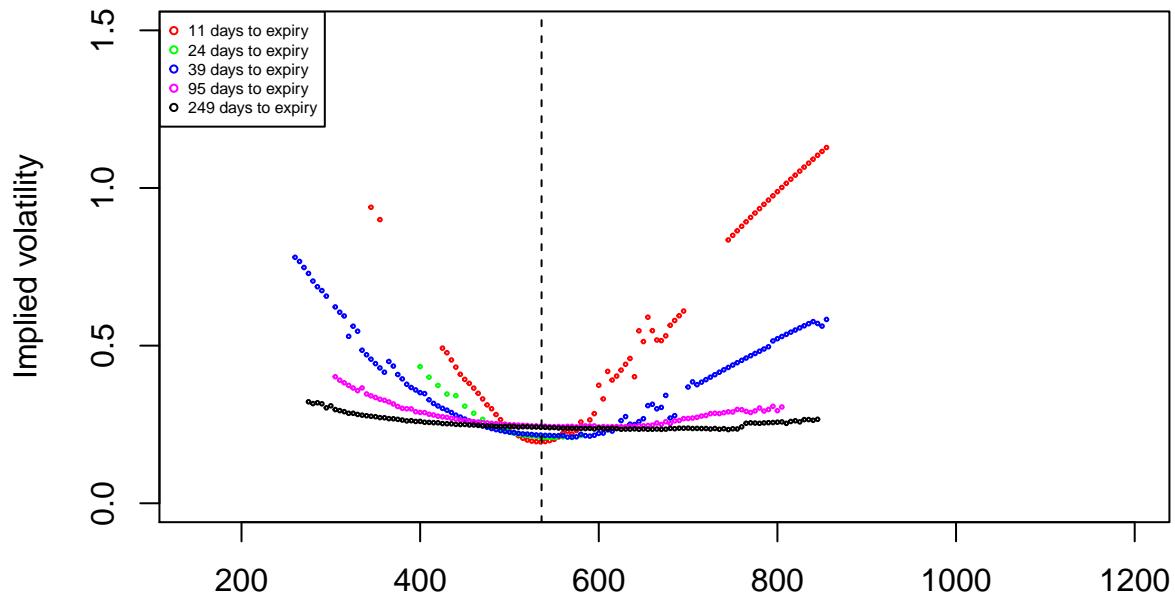
**Apple puts: 2014-02-07 (Price = 519.68)**



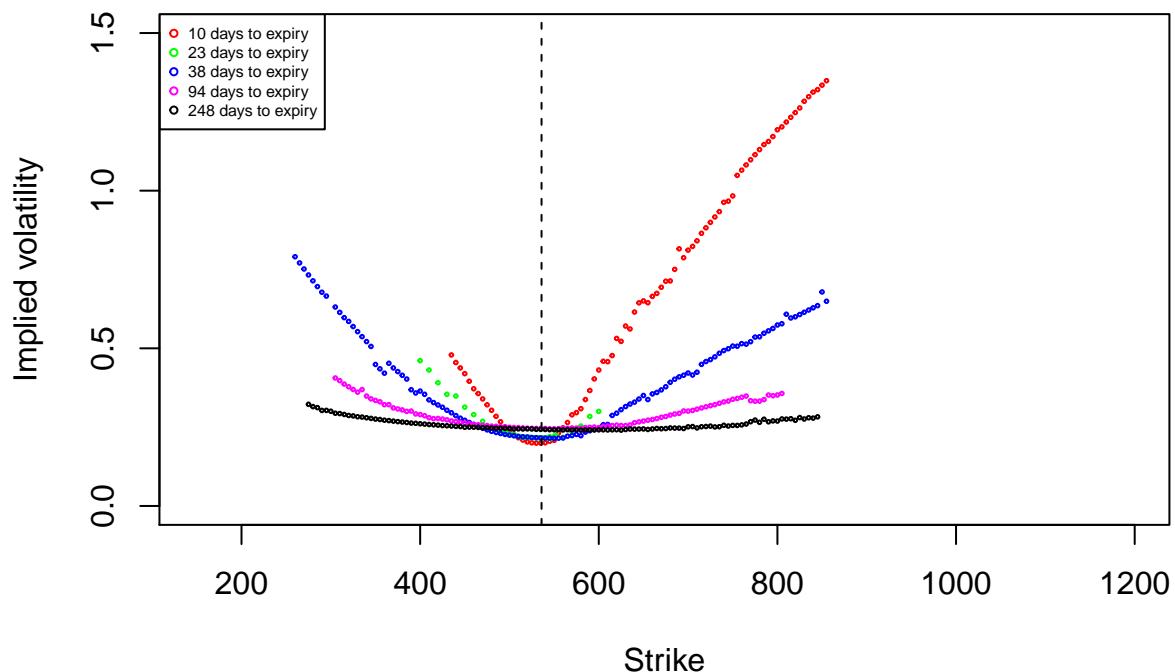
**Strike**  
**Apple puts: 2014-02-10 (Price = 528.99)**



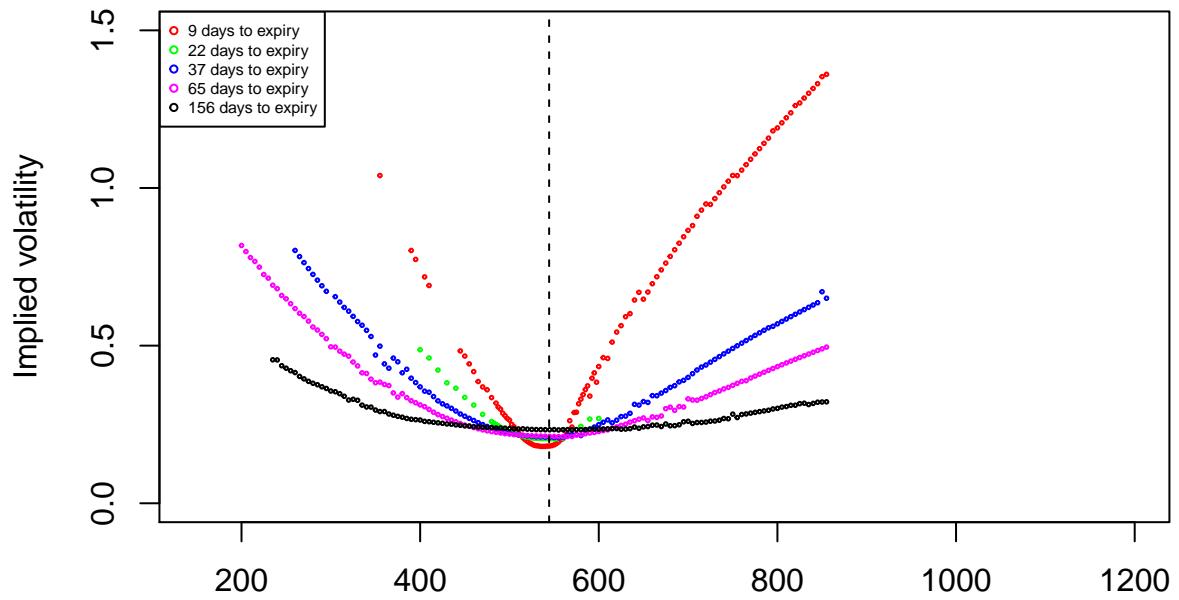
**Apple puts: 2014-02-11 (Price = 535.96)**



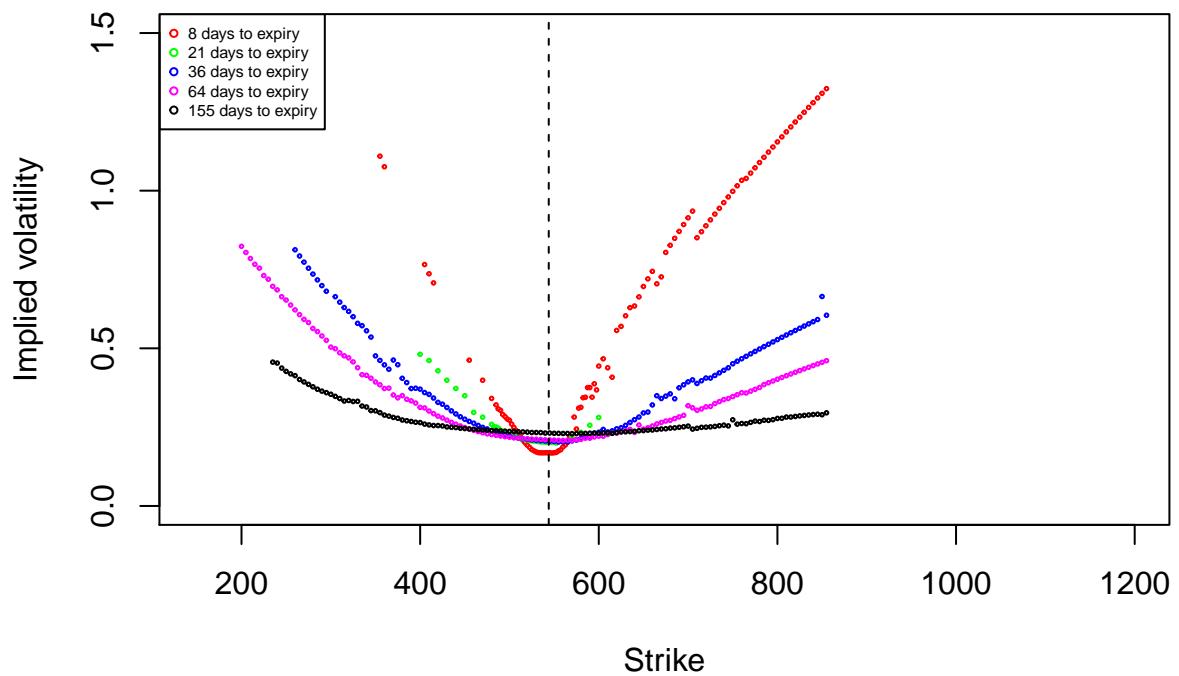
**Apple puts: 2014-02-12 (Price = 535.92)**



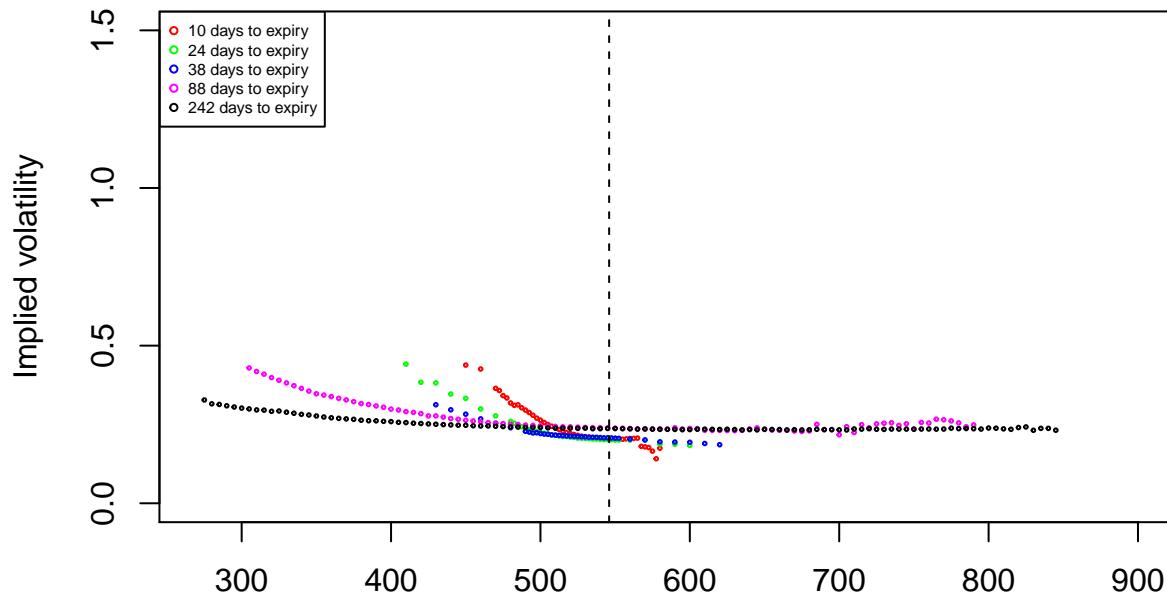
**Apple puts: 2014-02-13 (Price = 544.43)**



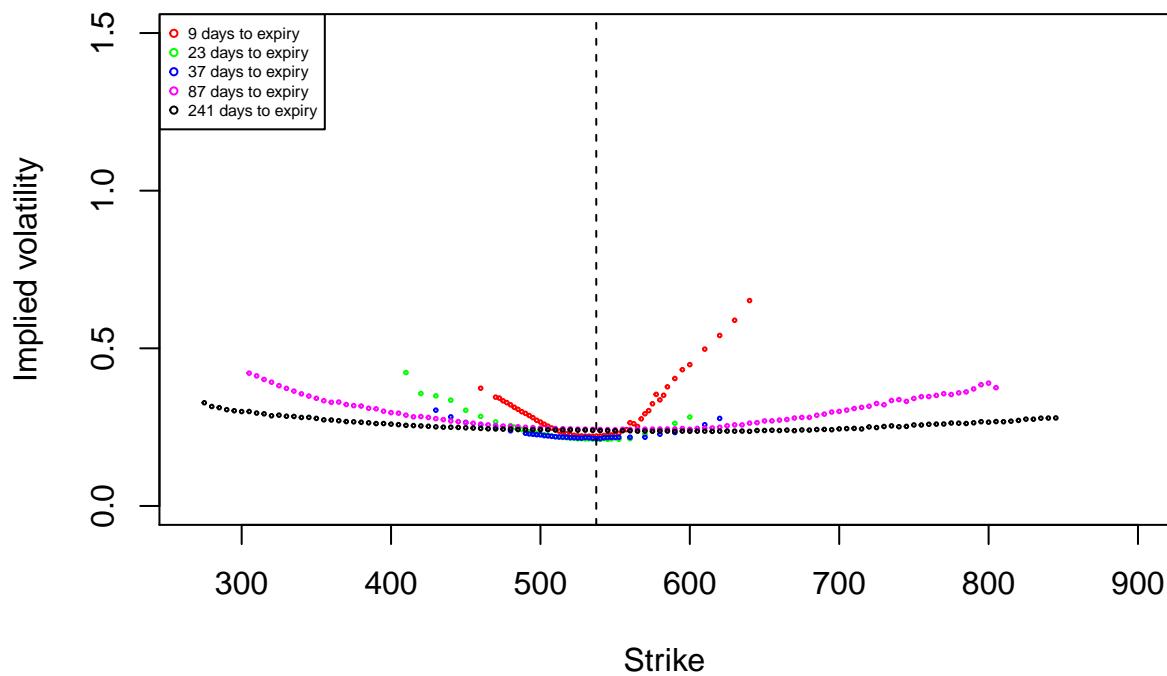
**Apple puts: 2014-02-14 (Price = 543.99)**



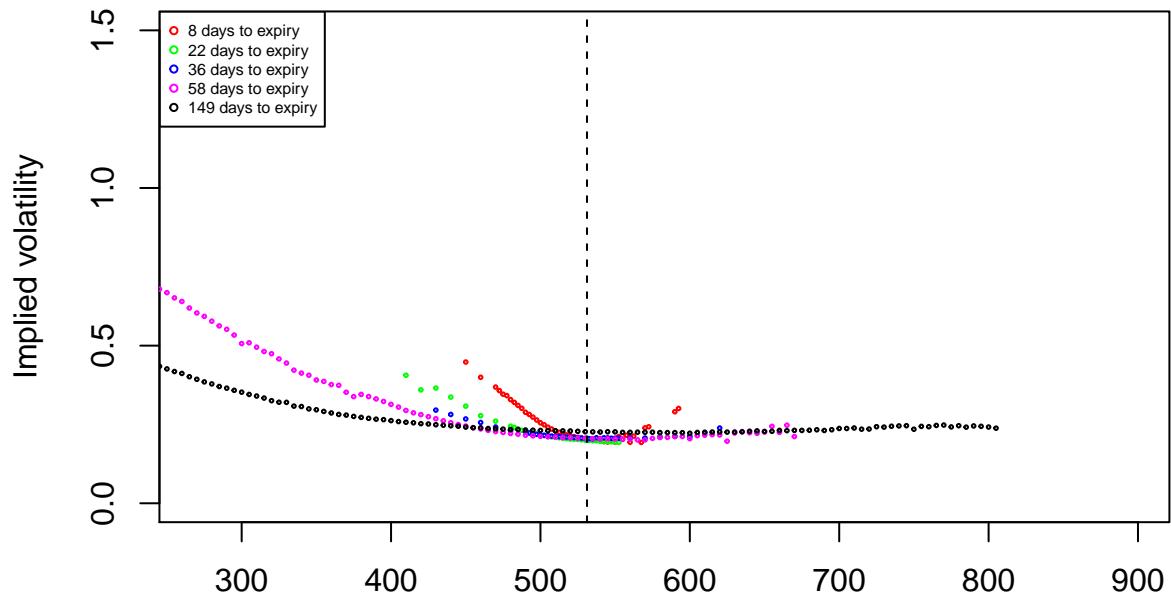
### Apple puts: 2014-02-18 (Price = 545.99)



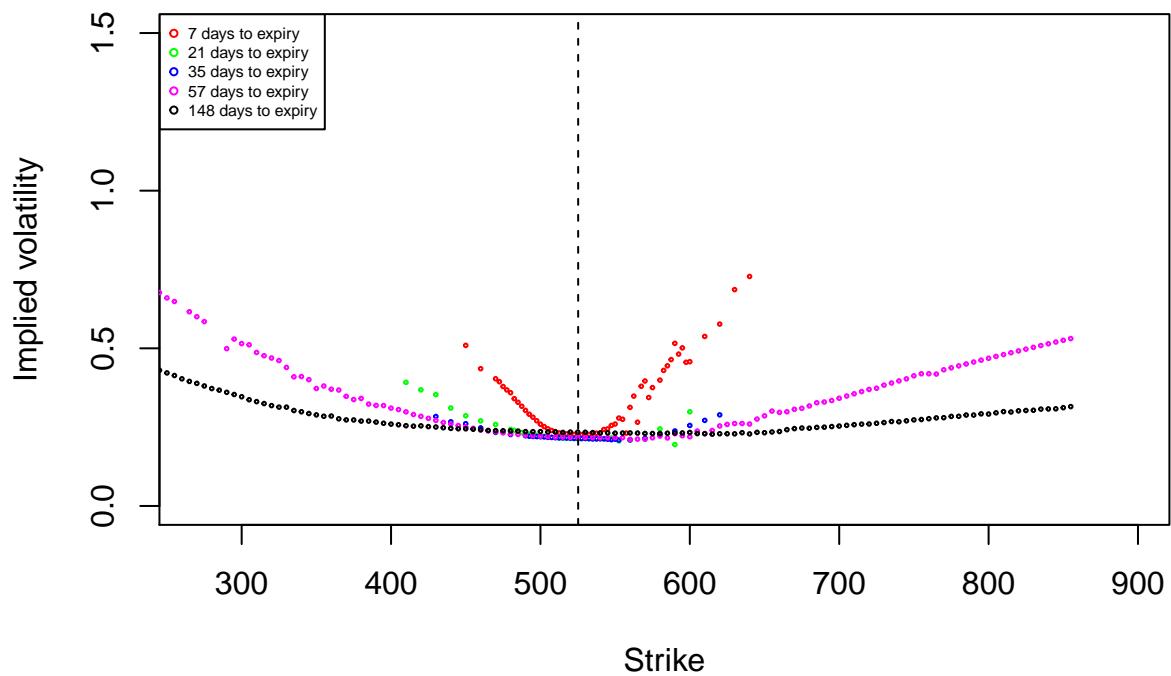
### Apple puts: 2014-02-19 (Price = 537.37)



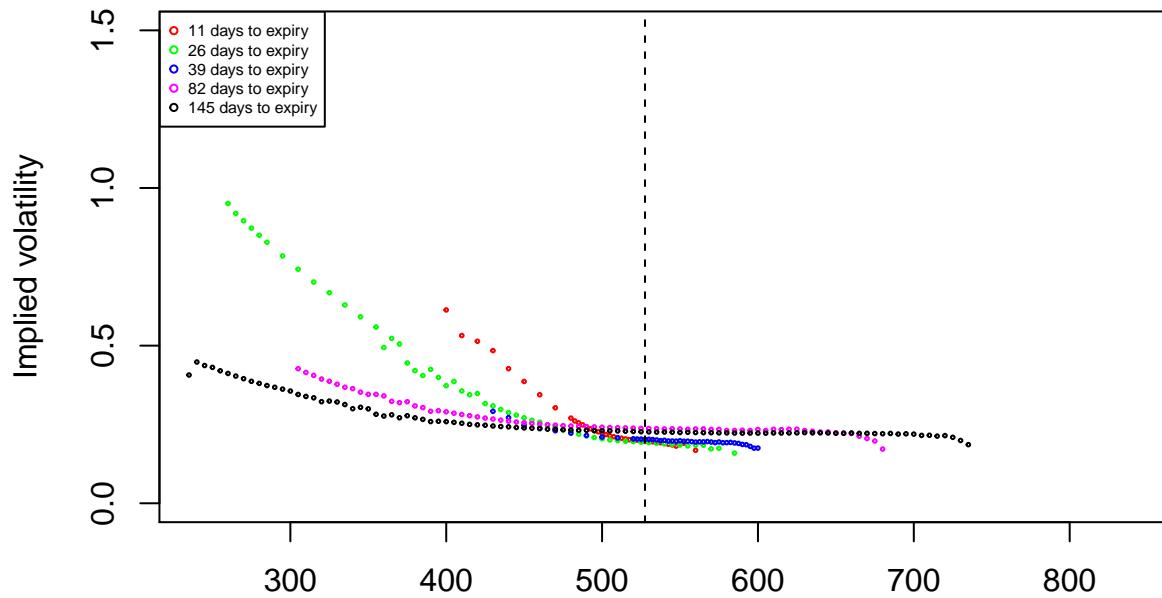
### Apple puts: 2014-02-20 (Price = 531.15)



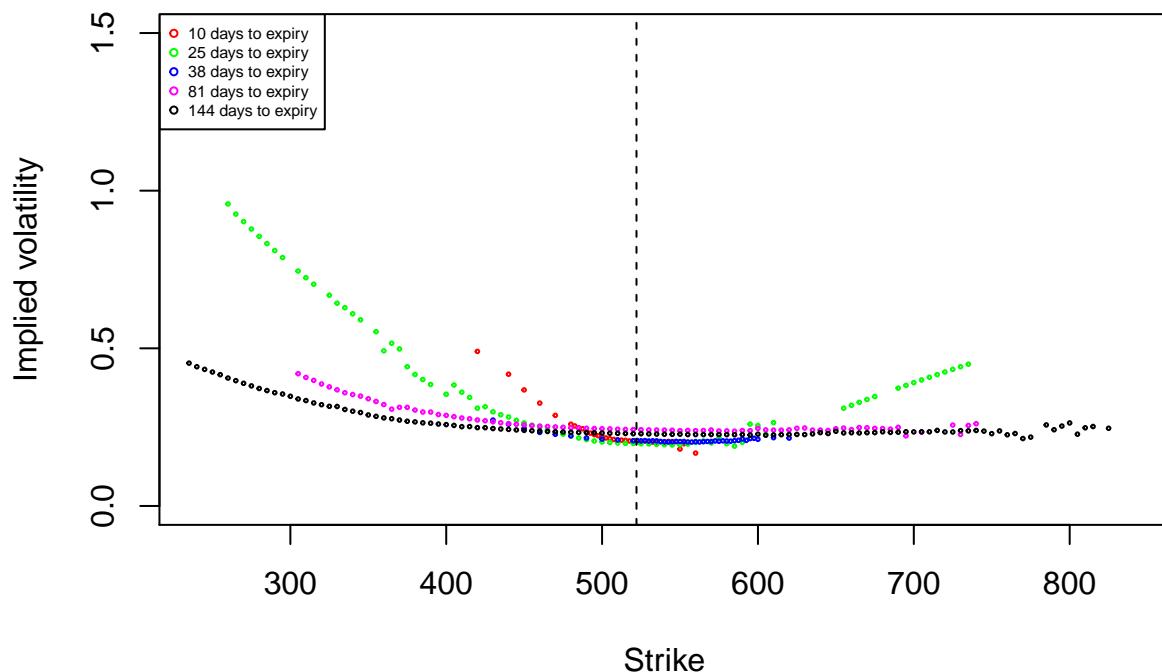
### Strike Apple puts: 2014-02-21 (Price = 525.25)



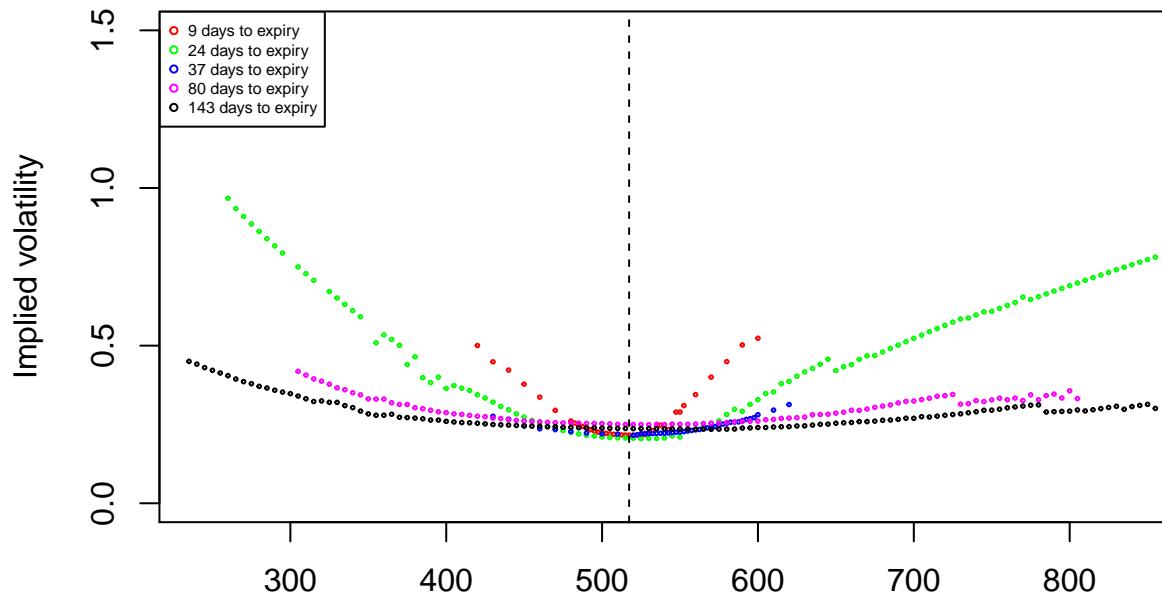
### Apple puts: 2014-02-24 (Price = 527.55)



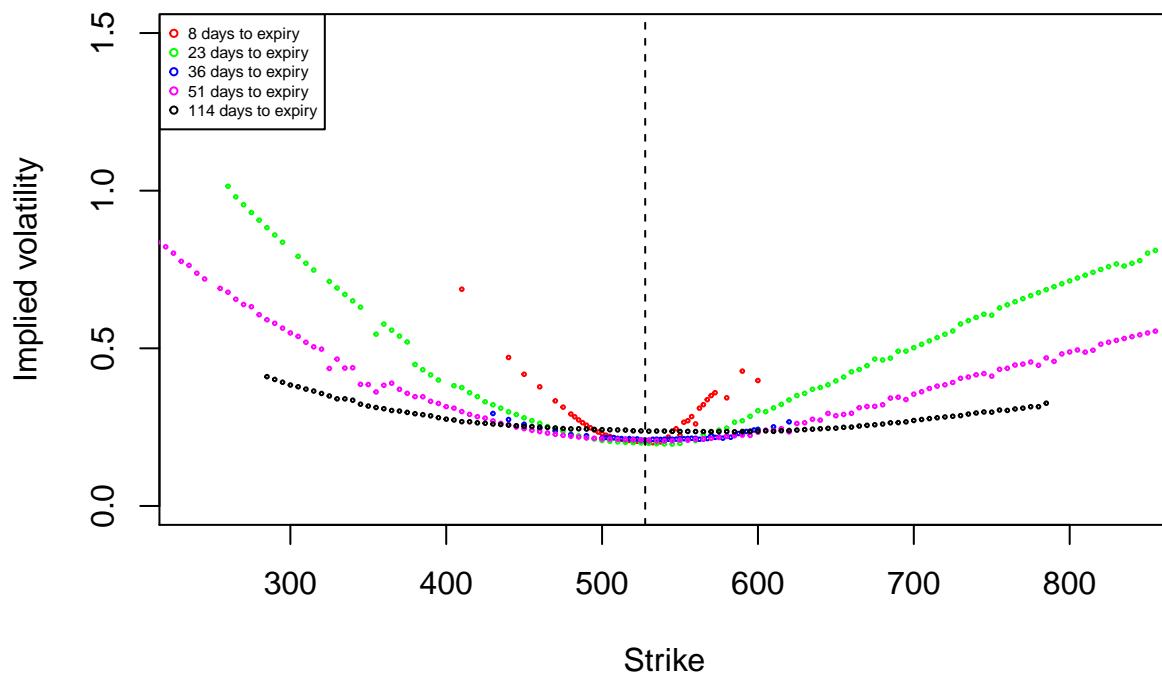
### Strike Apple puts: 2014-02-25 (Price = 522.06)



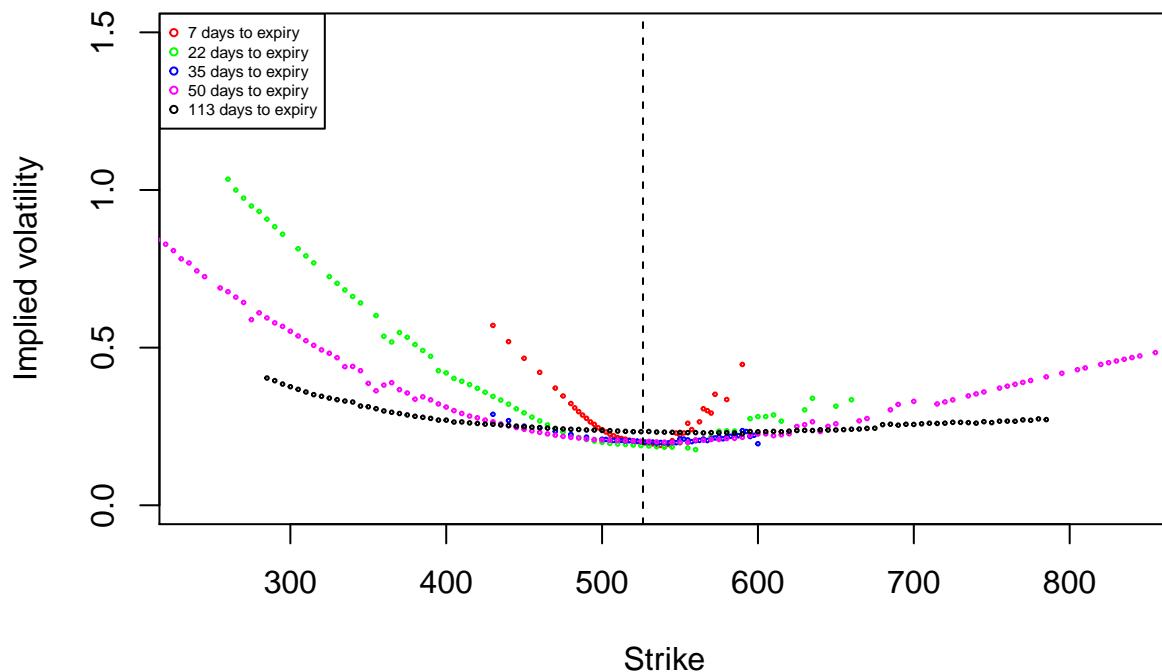
### Apple puts: 2014-02-26 (Price = 517.35)



### Strike Apple puts: 2014-02-27 (Price = 527.67)

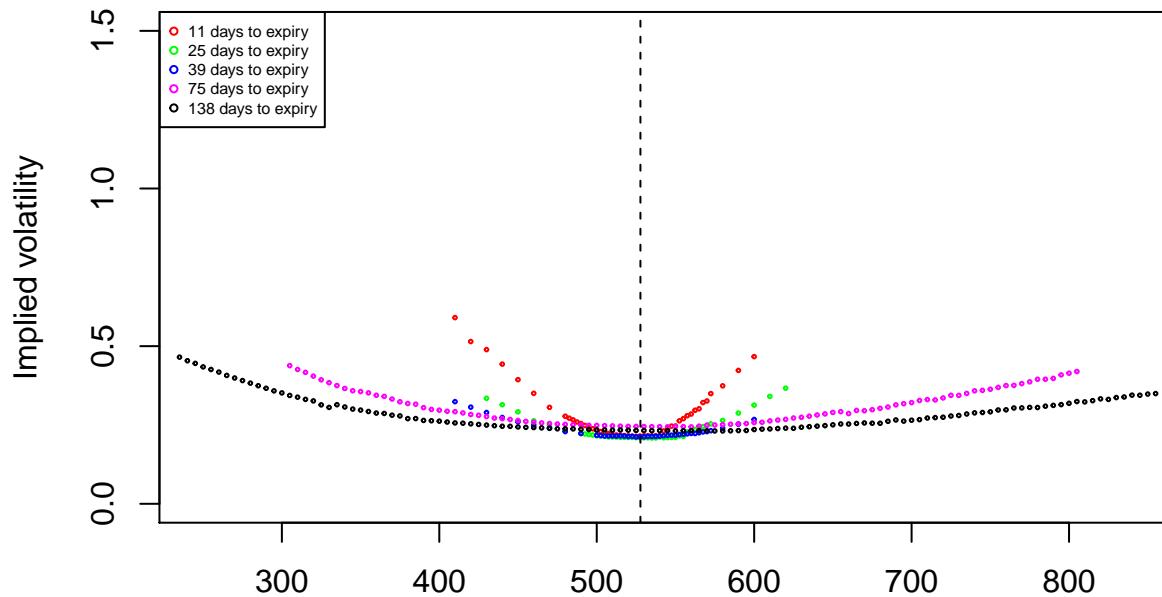


### Apple puts: 2014-02-28 (Price = 526.24)

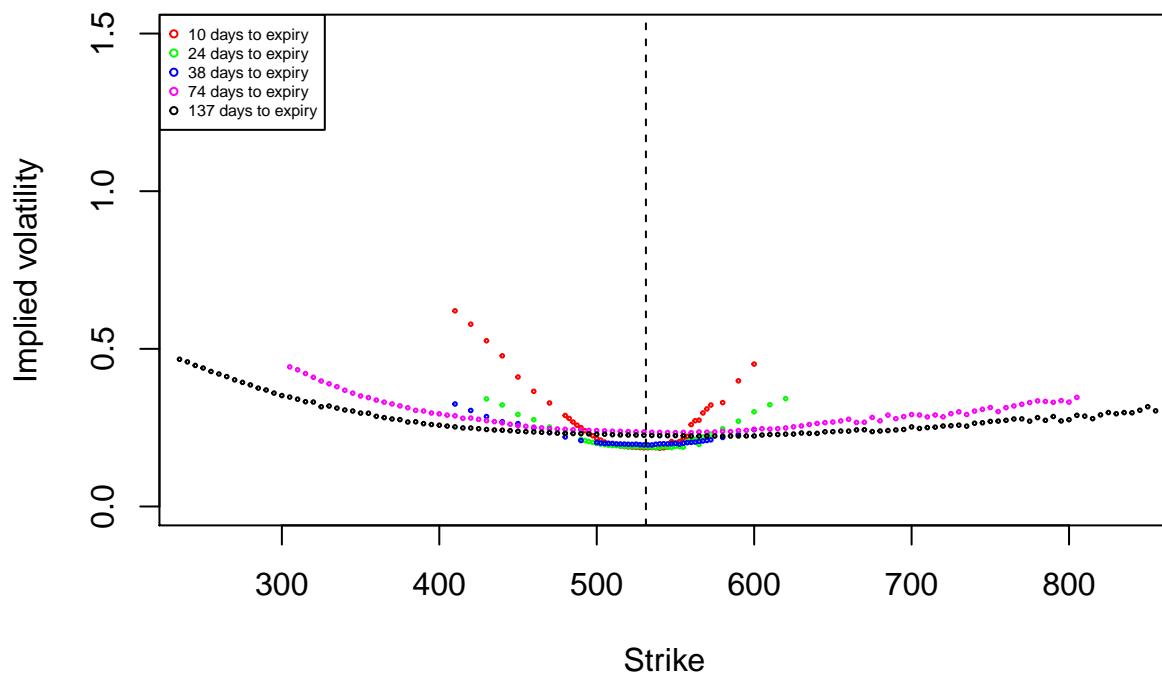


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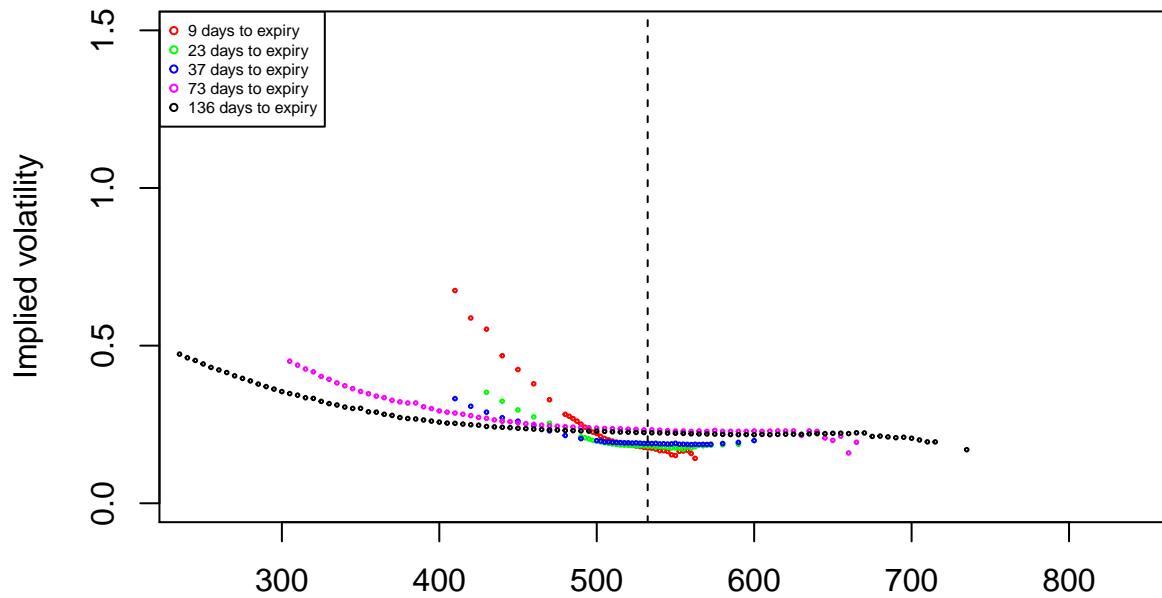
**Apple puts: 2014-03-03 (Price = 527.76)**



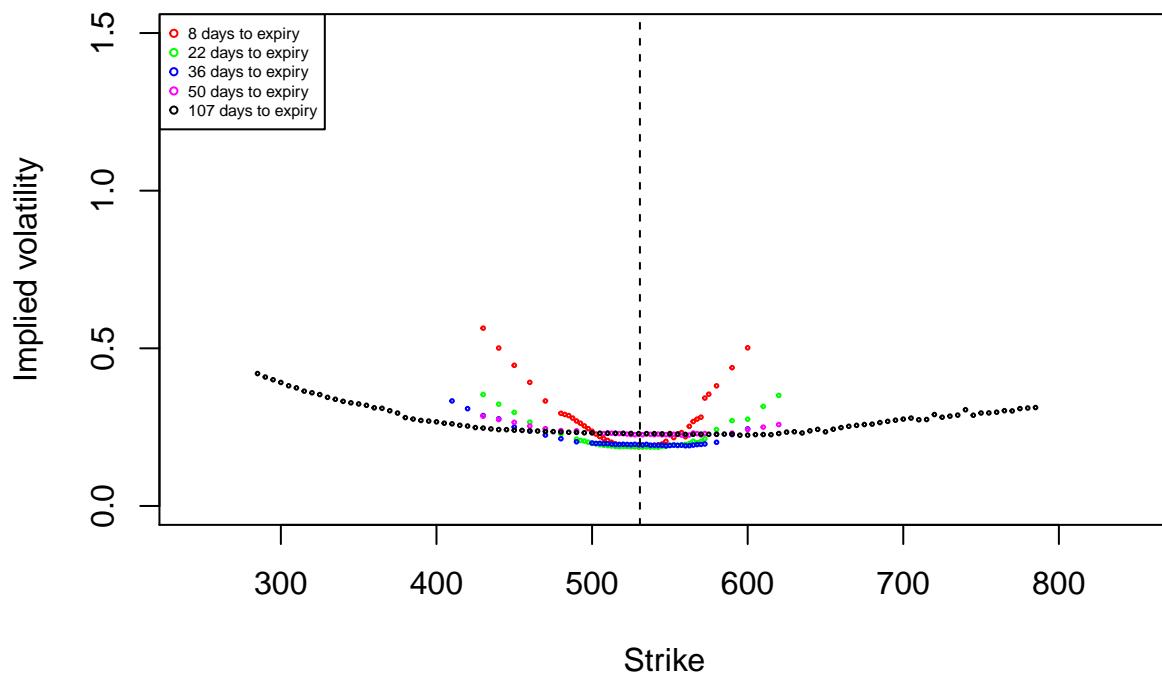
**Strike  
Apple puts: 2014-03-04 (Price = 531.24)**



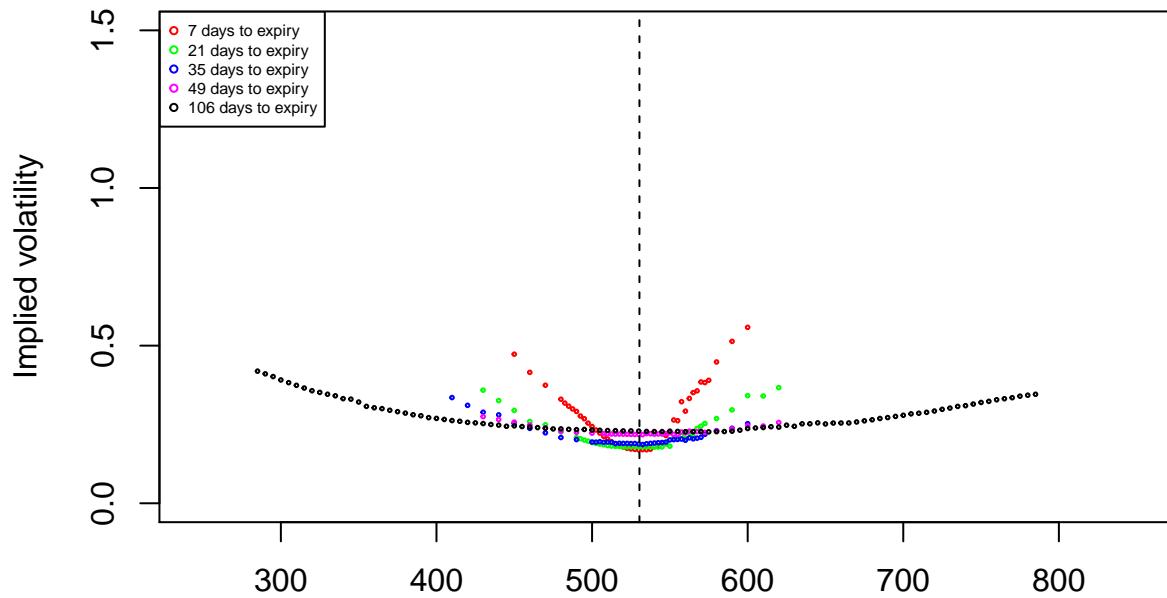
### Apple puts: 2014-03-05 (Price = 532.36)



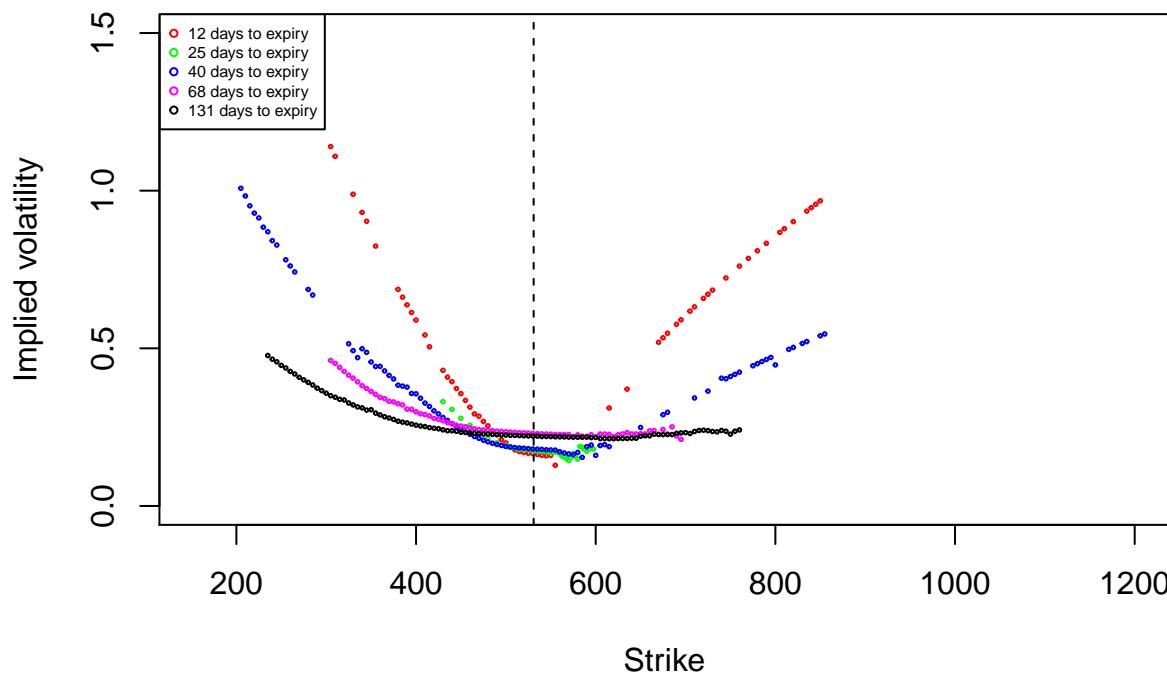
### Strike Apple puts: 2014-03-06 (Price = 530.75)



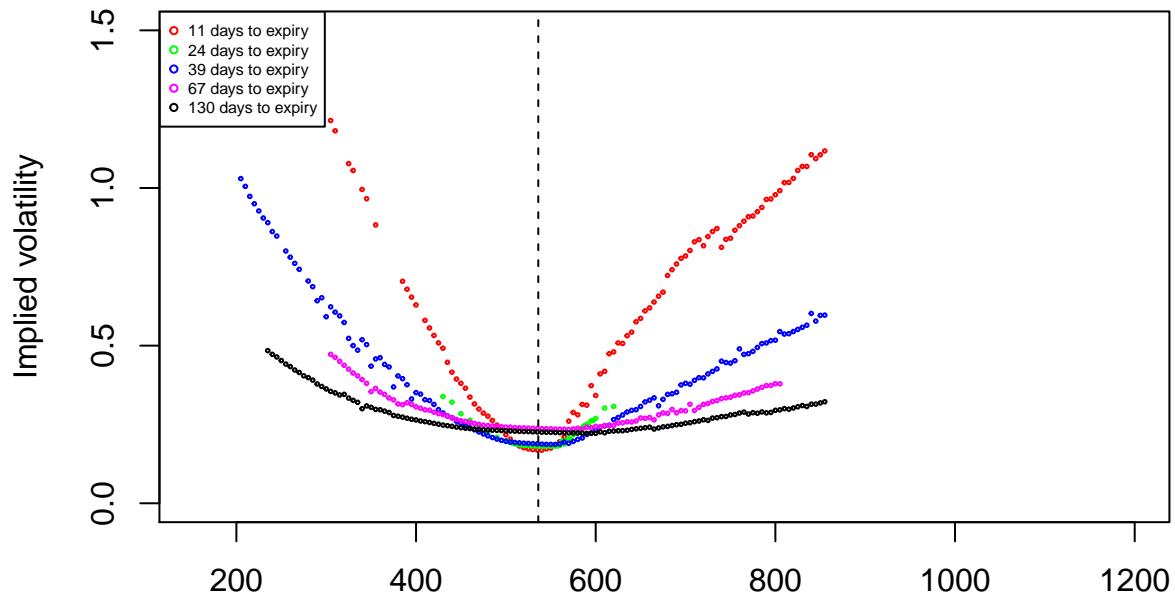
**Apple puts: 2014-03-07 (Price = 530.44)**



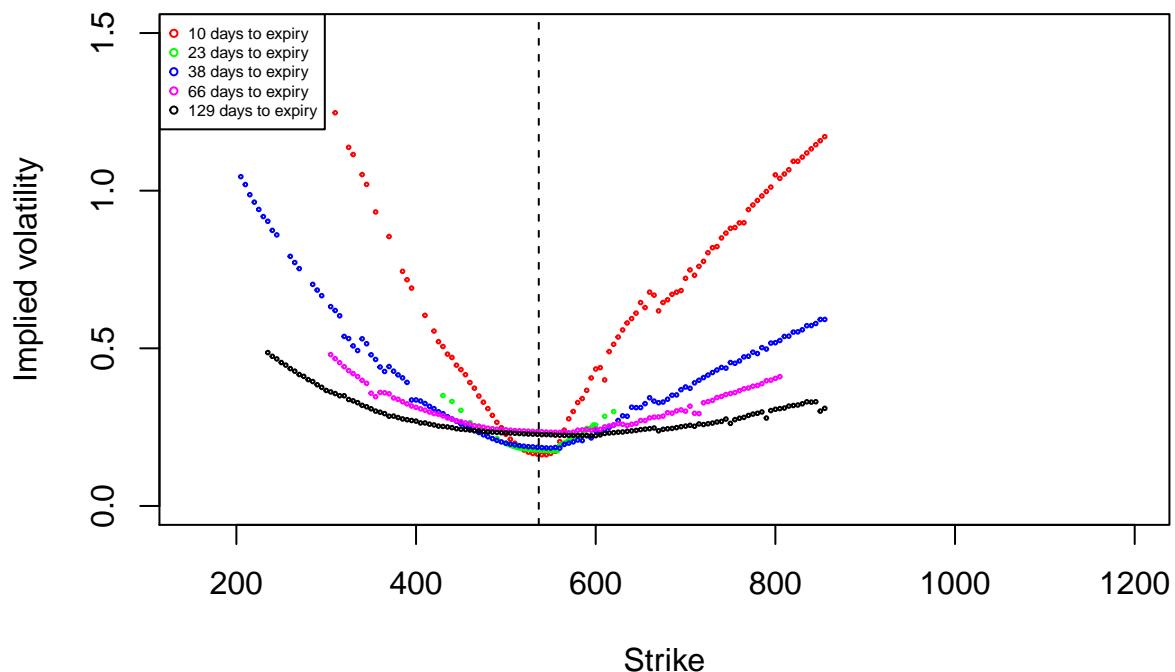
**Strike**  
**Apple puts: 2014-03-10 (Price = 530.92)**



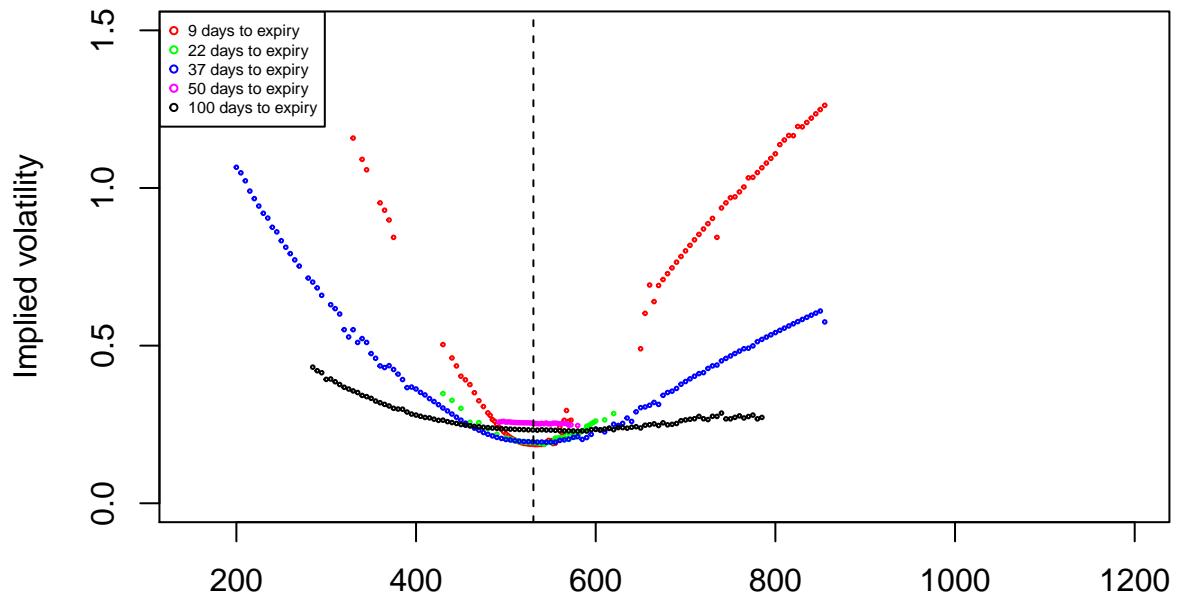
**Apple puts: 2014-03-11 (Price = 536.09)**



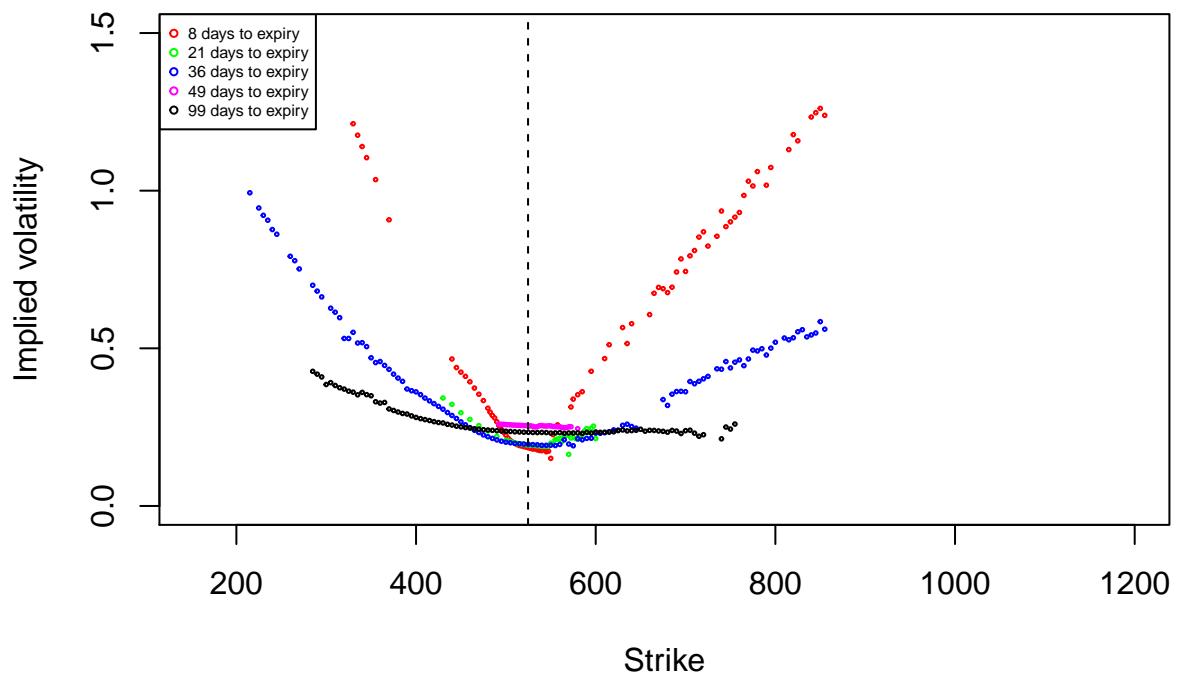
**Apple puts: 2014-03-12 (Price = 536.61)**



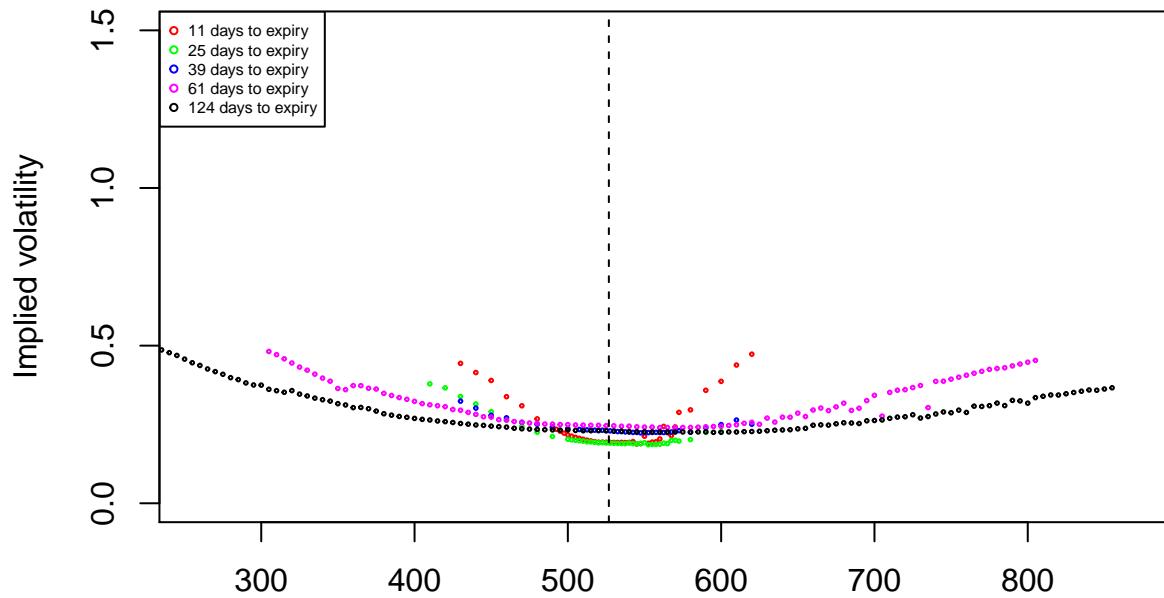
**Apple puts: 2014-03-13 (Price = 530.65)**



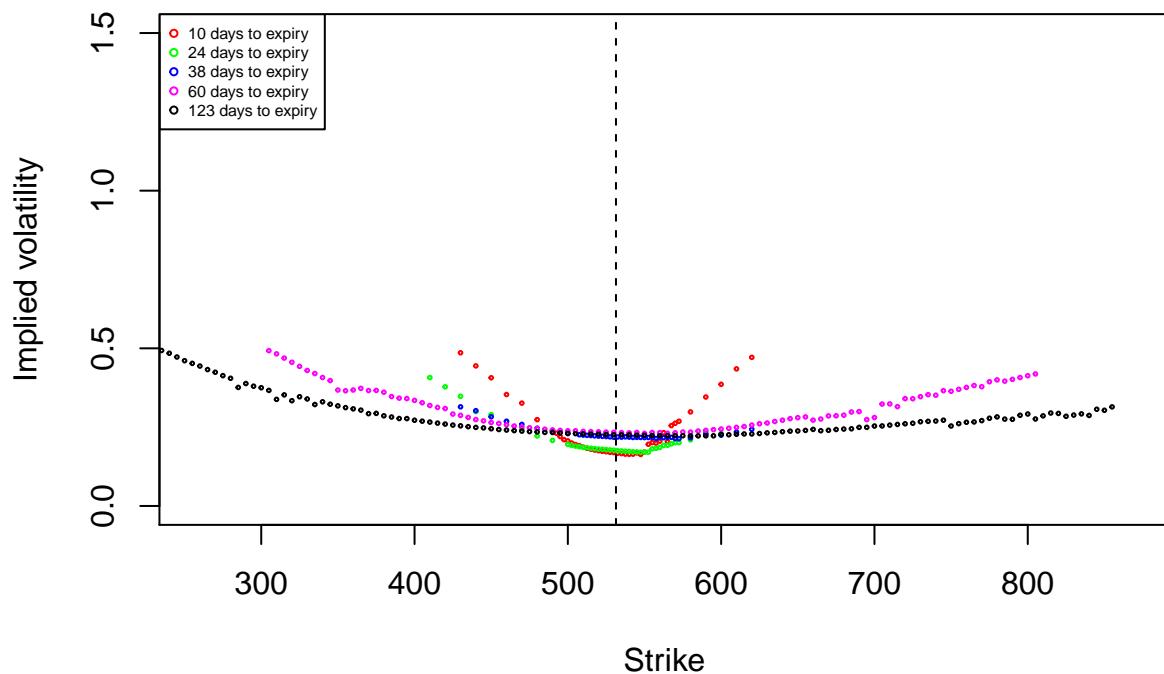
**Strike**  
**Apple puts: 2014-03-14 (Price = 524.69)**



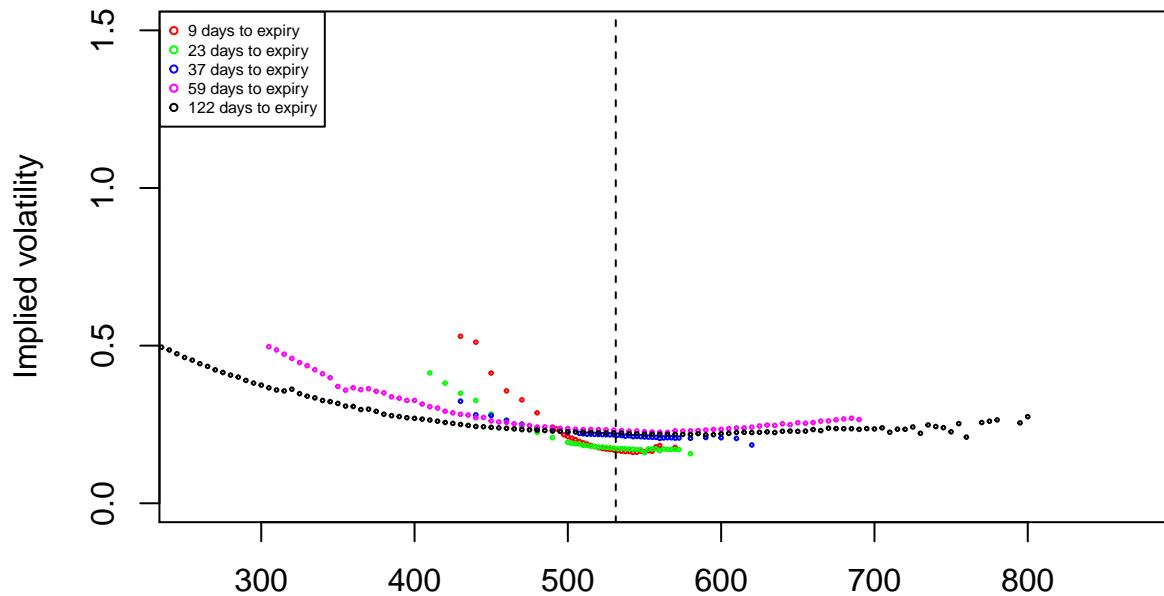
### Apple puts: 2014-03-17 (Price = 526.74)



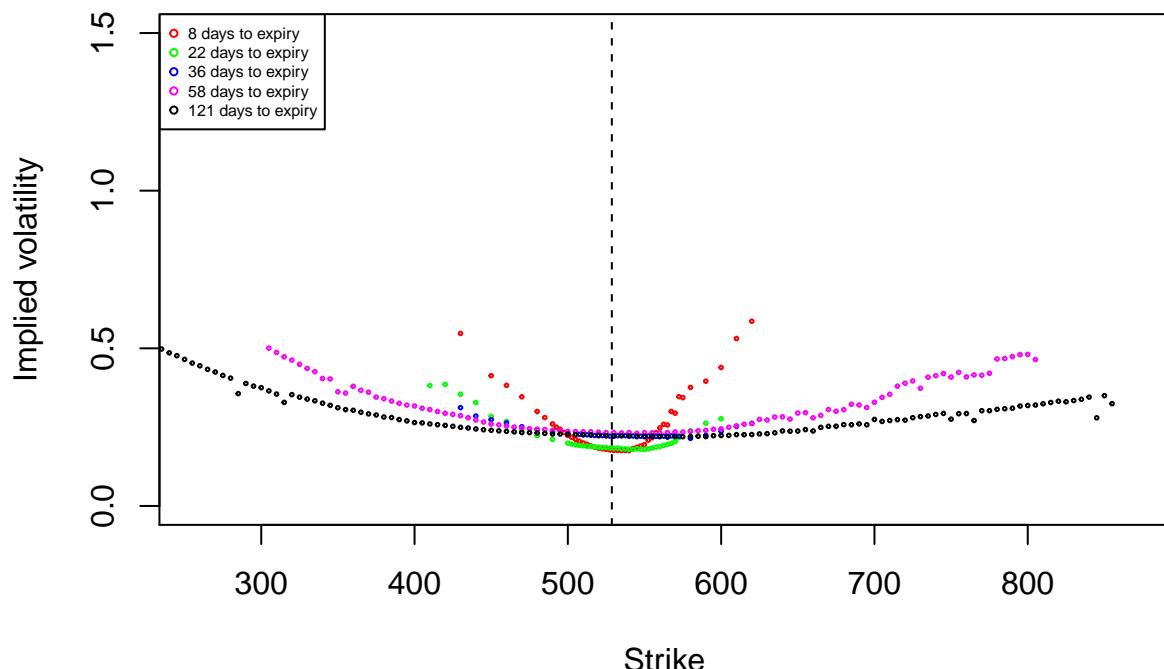
### Strike Apple puts: 2014-03-18 (Price = 531.4)



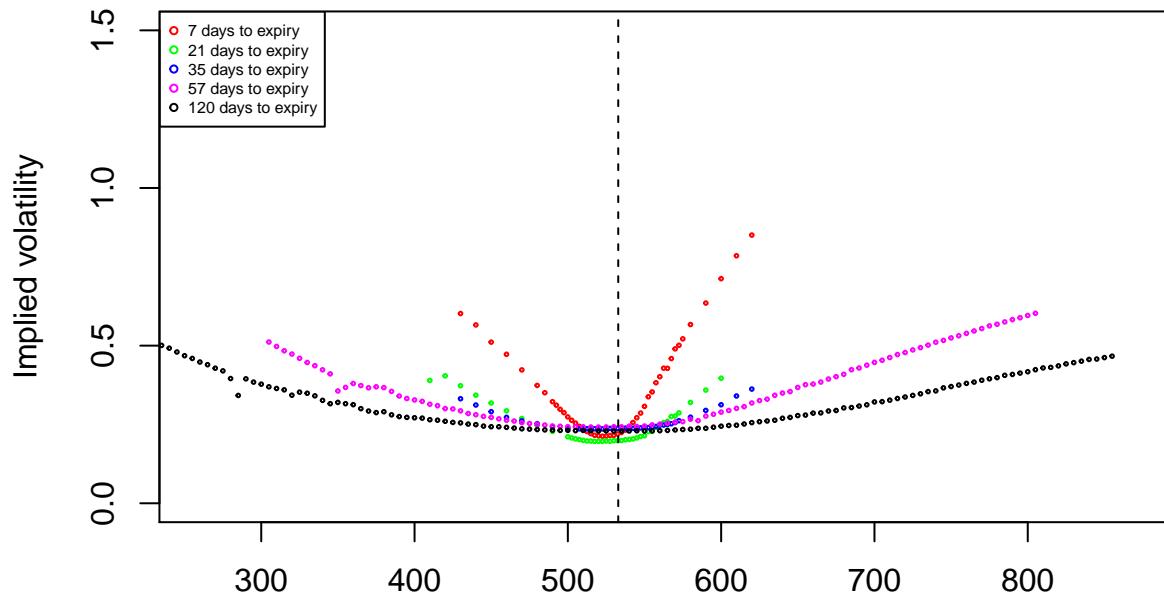
**Apple puts: 2014-03-19 (Price = 531.26)**



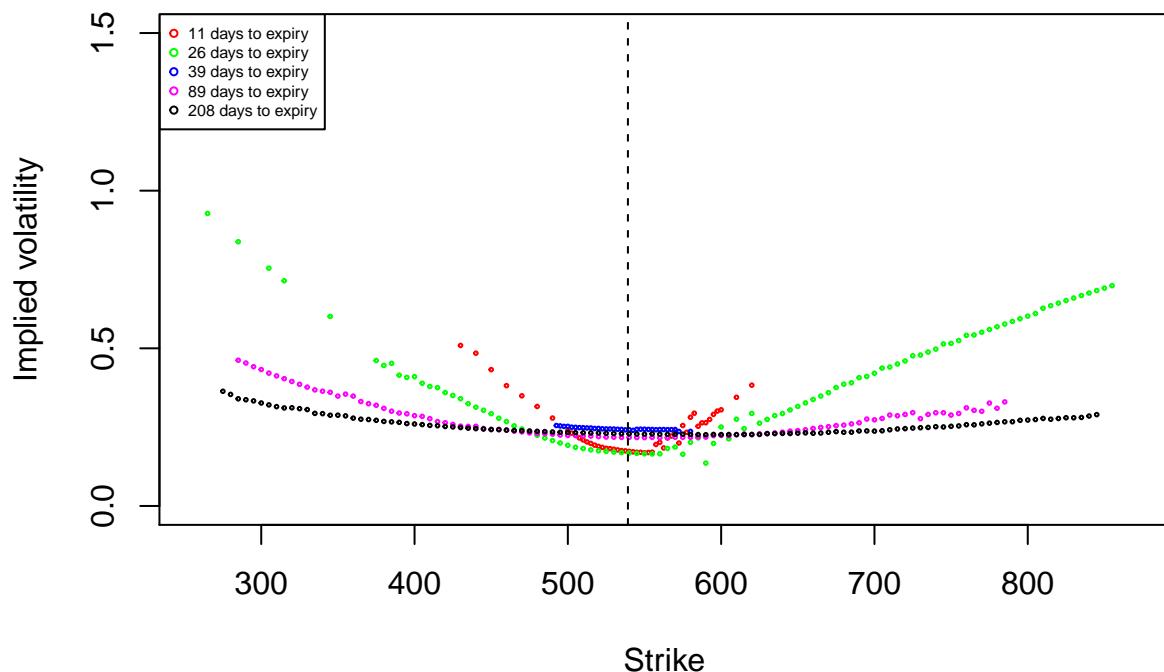
**Strike**  
**Apple puts: 2014-03-20 (Price = 528.7)**



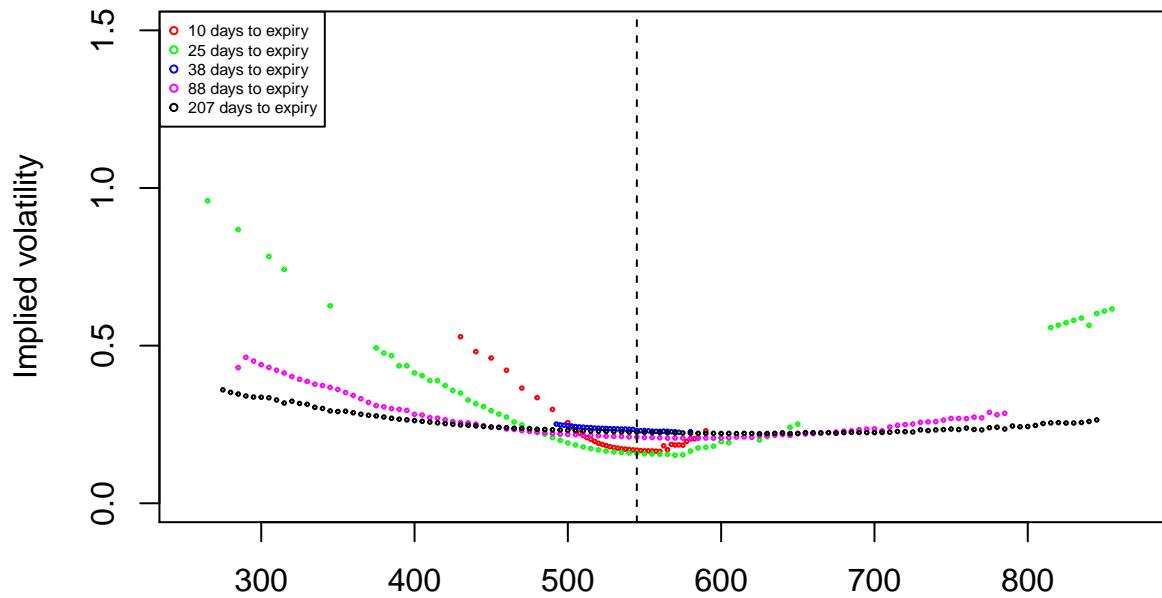
### Apple puts: 2014-03-21 (Price = 532.87)



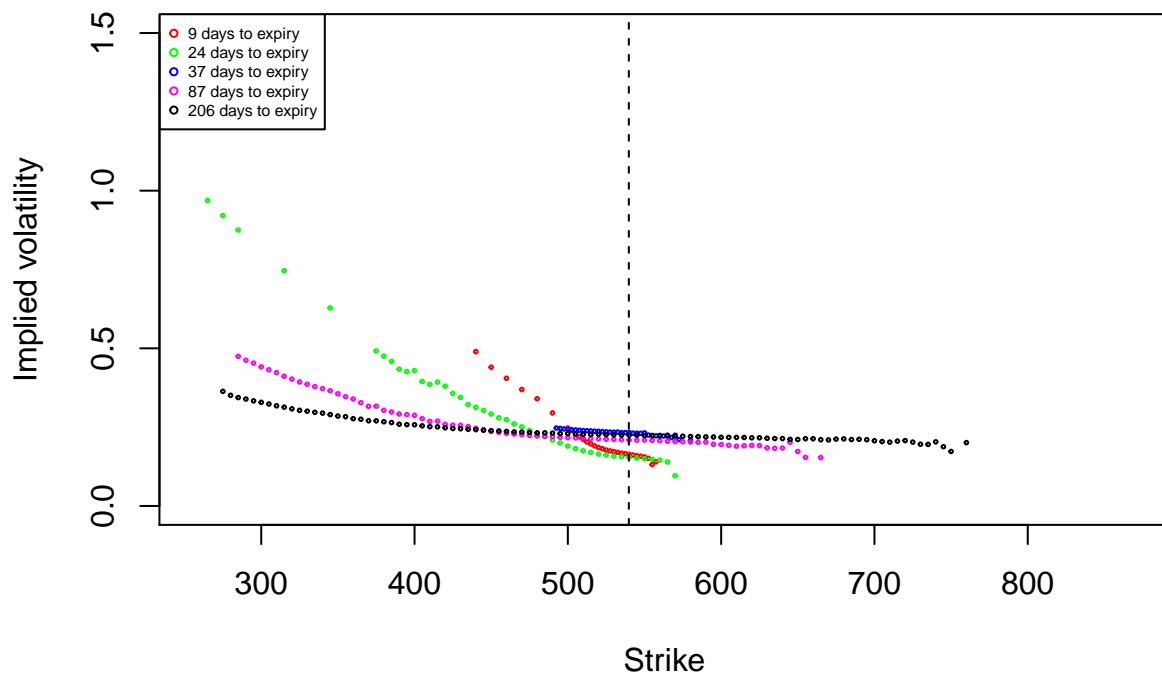
### Strike Apple puts: 2014-03-24 (Price = 539.19)



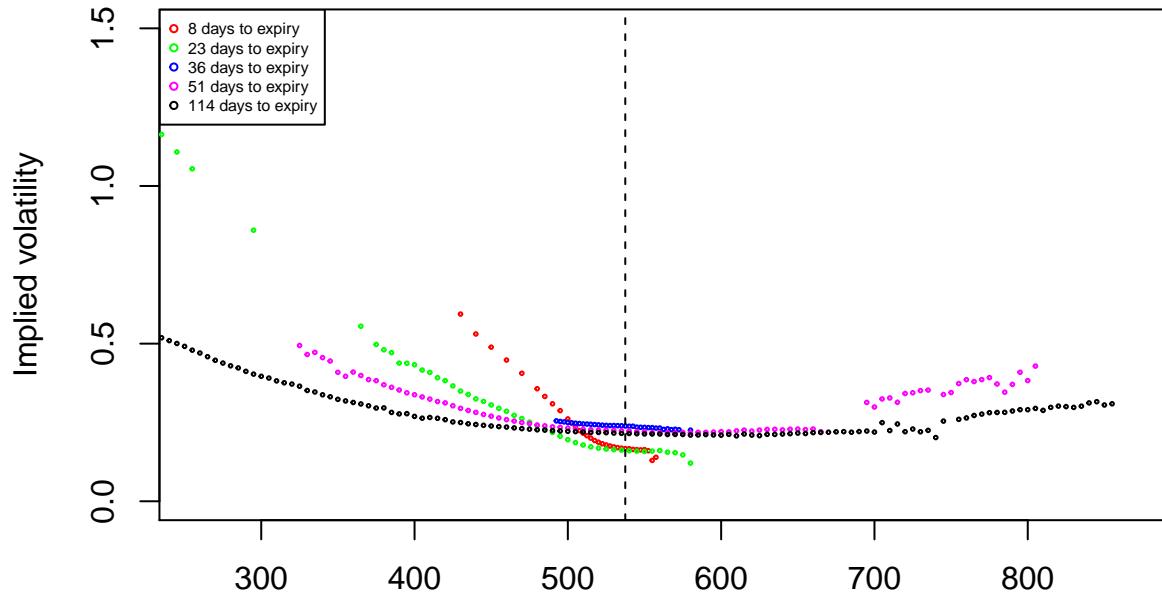
### Apple puts: 2014-03-25 (Price = 544.99)



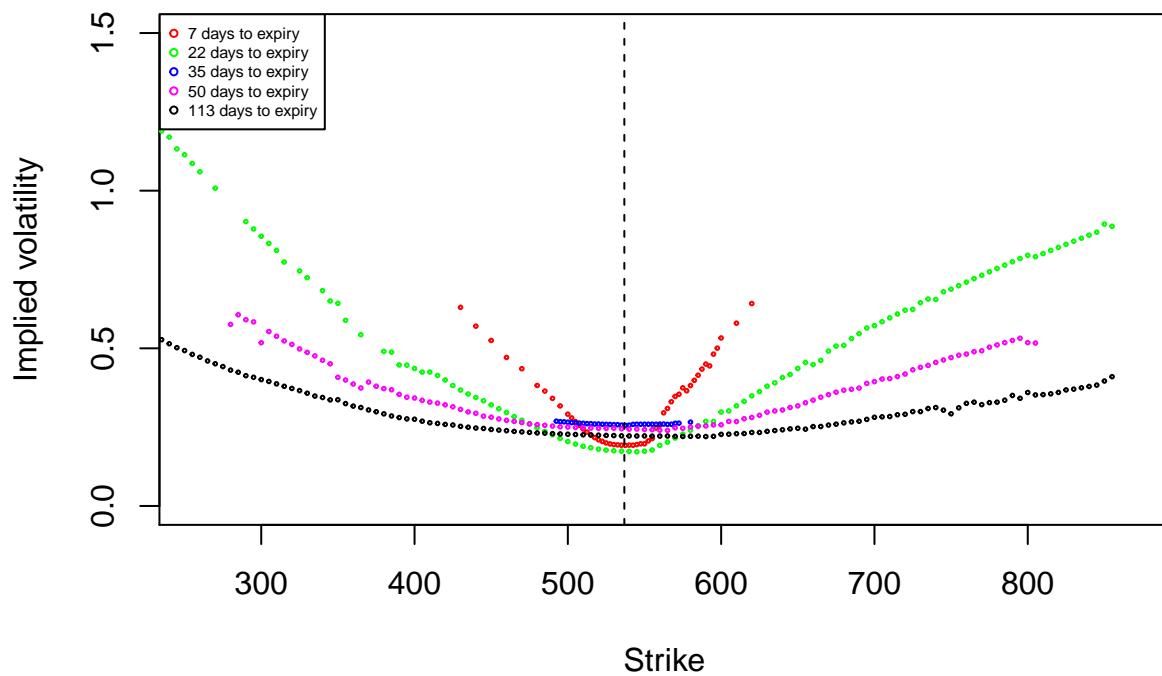
### Strike Apple puts: 2014-03-26 (Price = 539.78)



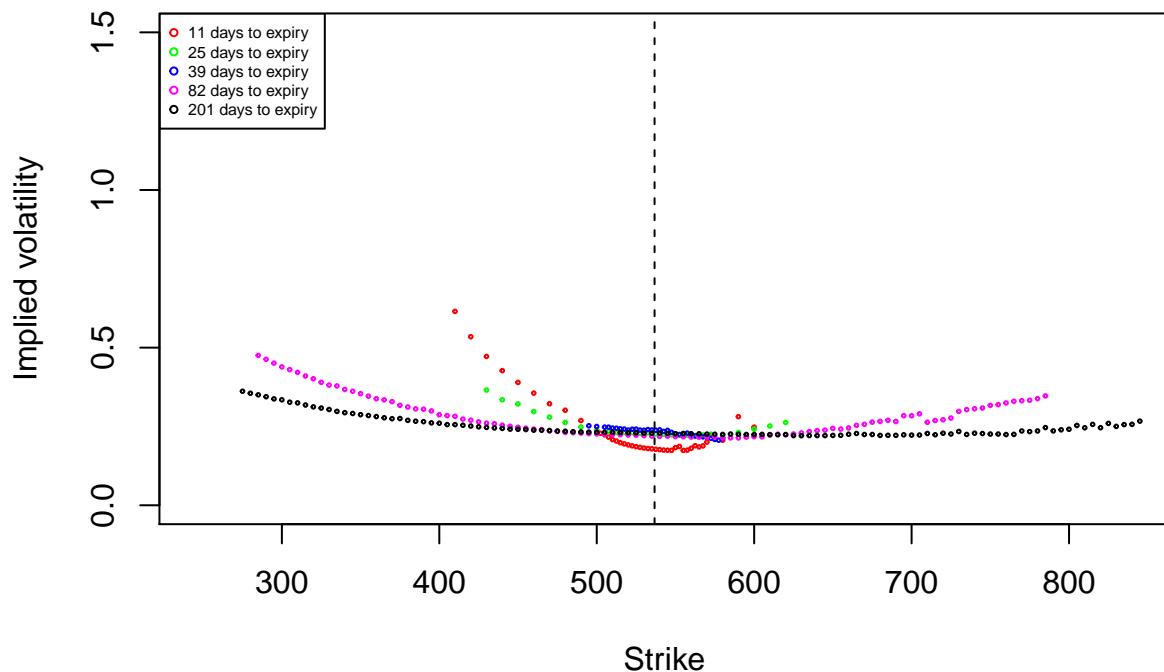
### Apple puts: 2014-03-27 (Price = 537.46)



### Apple puts: 2014-03-28 (Price = 536.86)

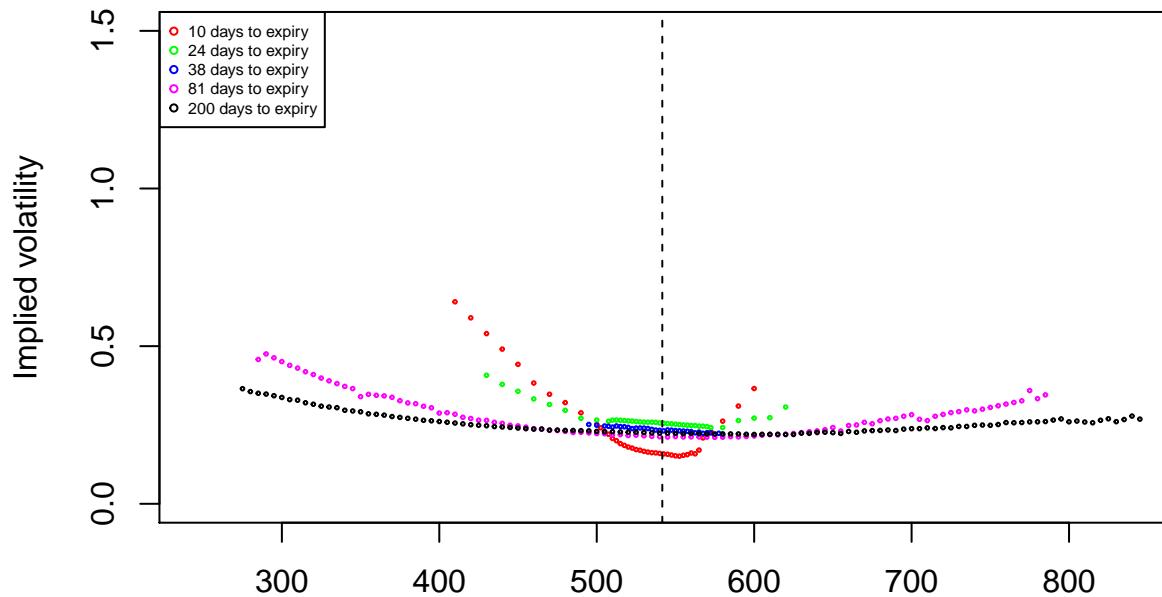


### Apple puts: 2014-03-31 (Price = 536.74)

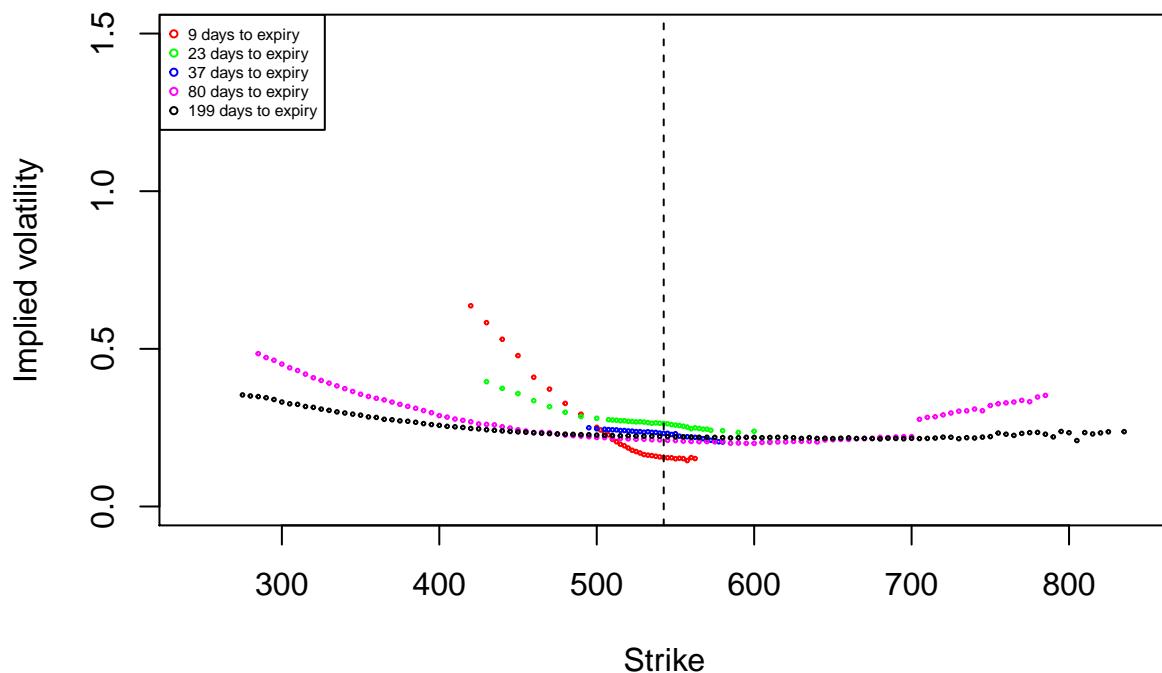


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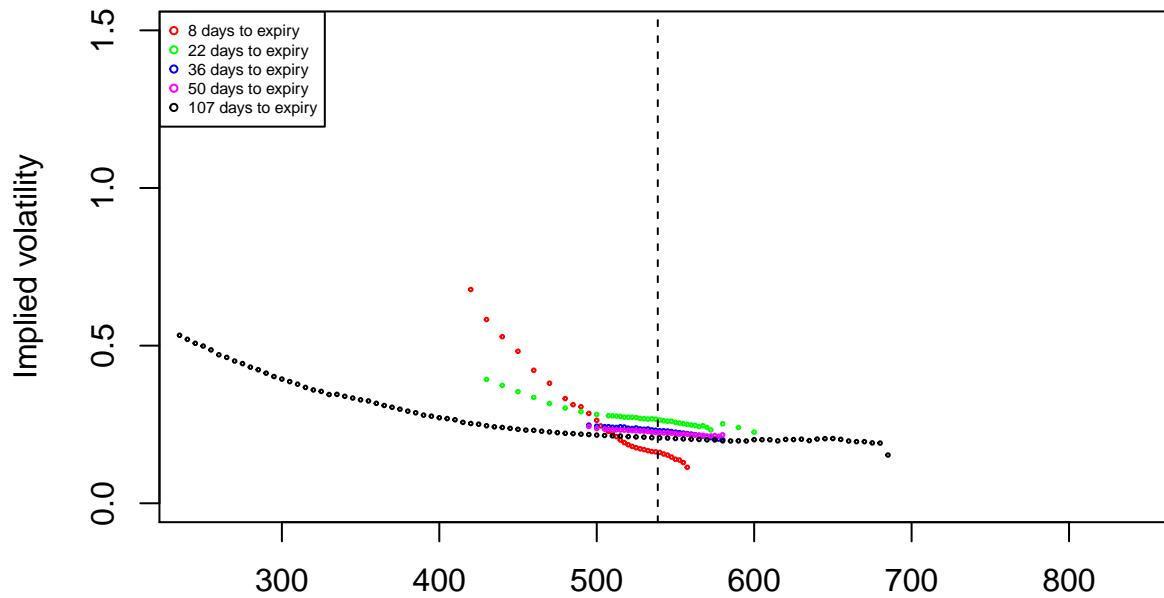
**Apple puts: 2014-04-01 (Price = 541.65)**



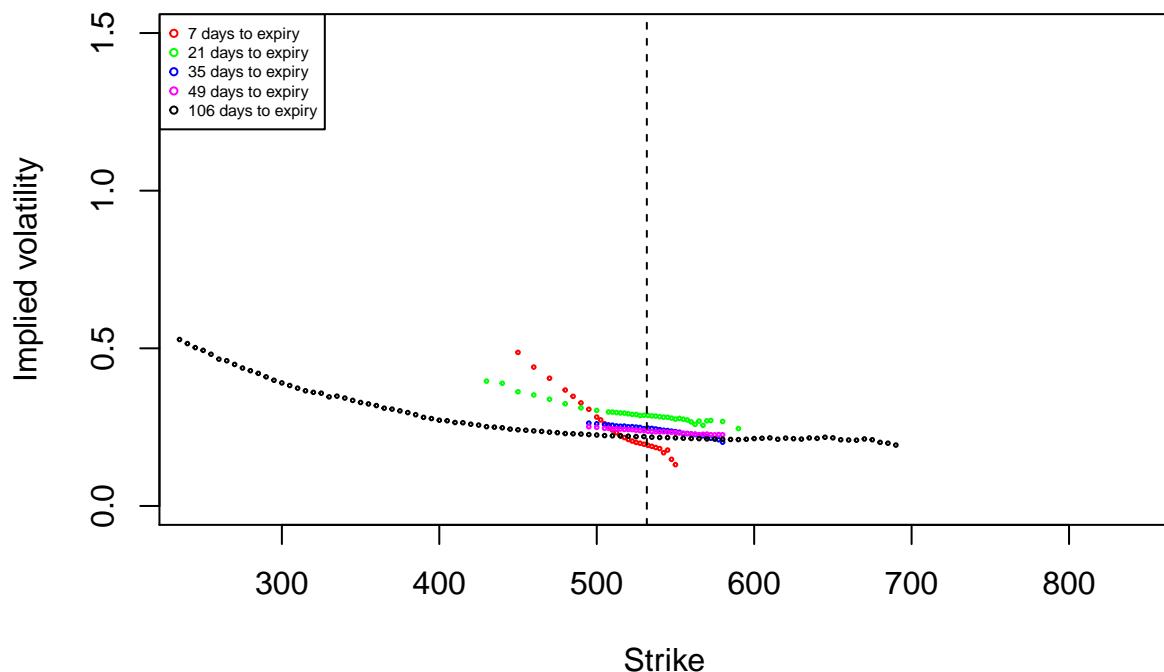
**Apple puts: 2014-04-02 (Price = 542.55)**



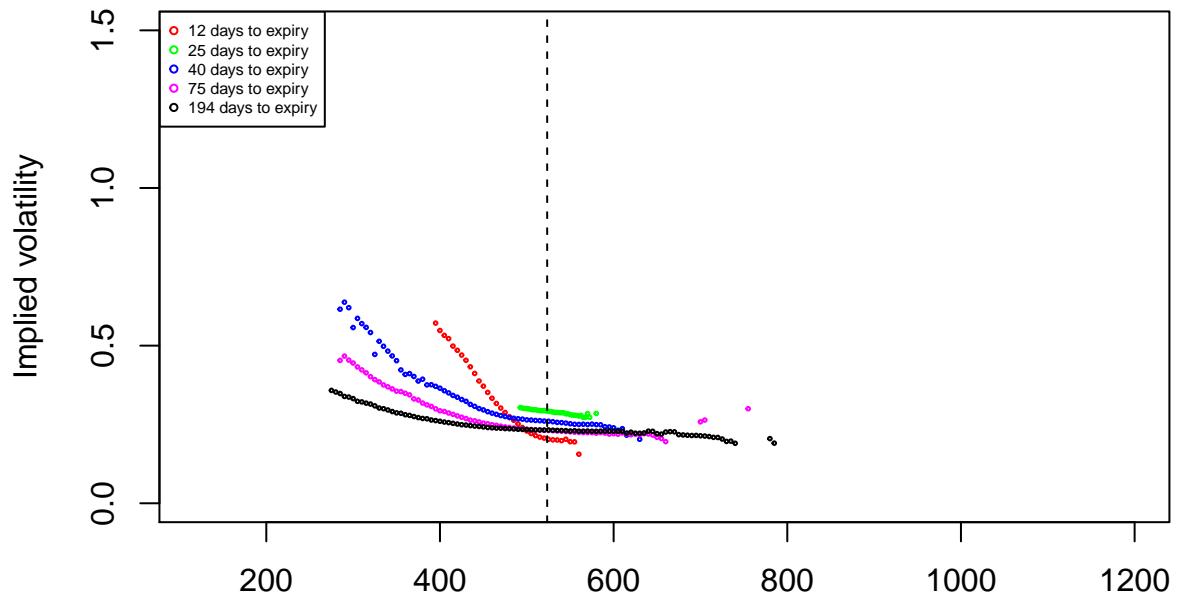
### Apple puts: 2014-04-03 (Price = 538.79)



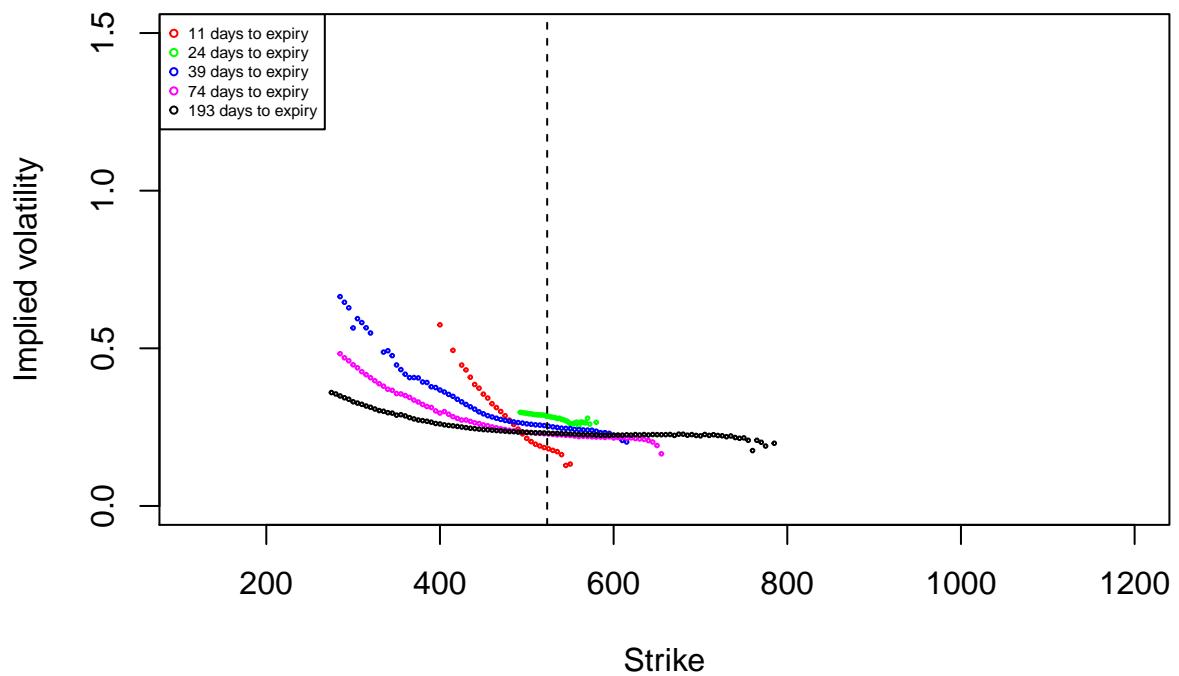
### Apple puts: 2014-04-04 (Price = 531.82)



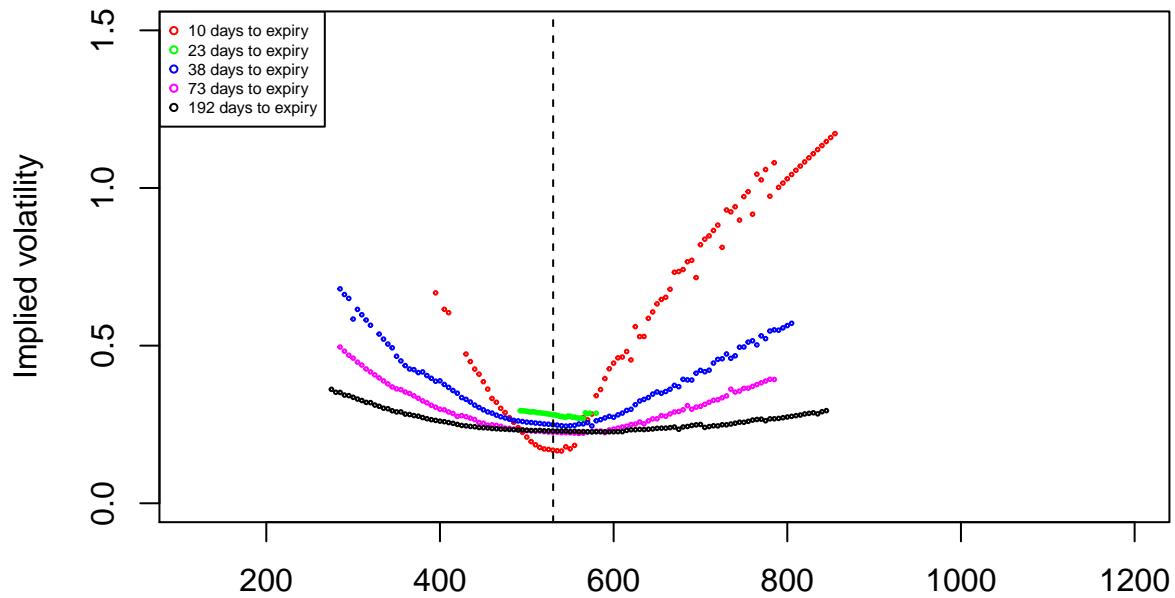
**Apple puts: 2014-04-07 (Price = 523.47)**



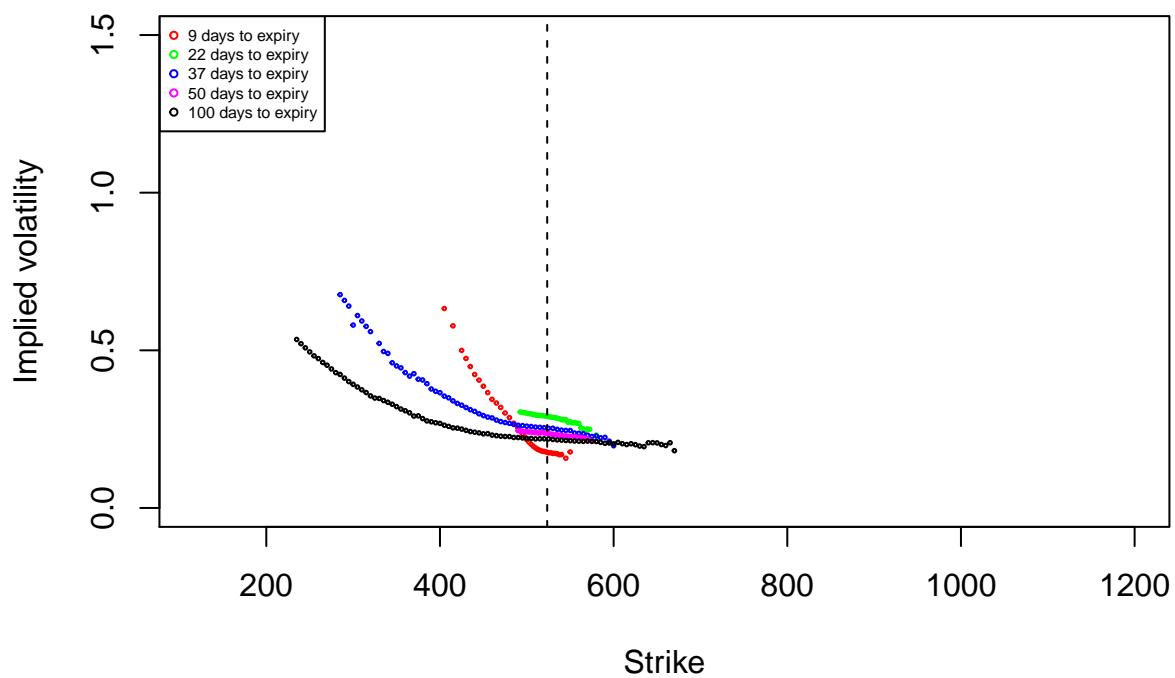
**Strike**  
**Apple puts: 2014-04-08 (Price = 523.44)**



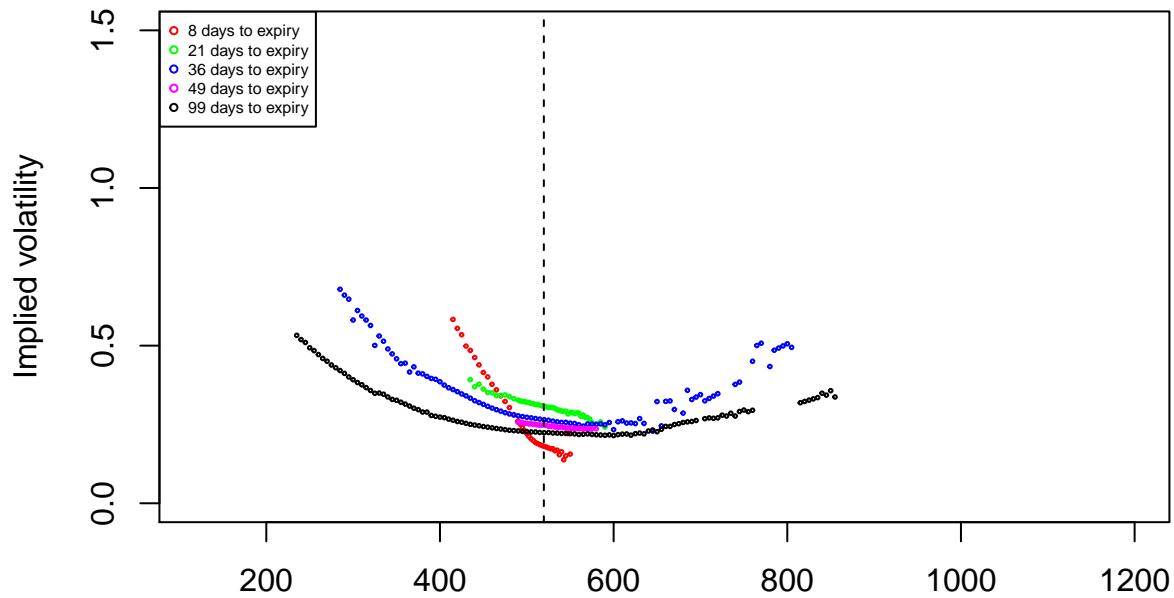
**Apple puts: 2014-04-09 (Price = 530.32)**



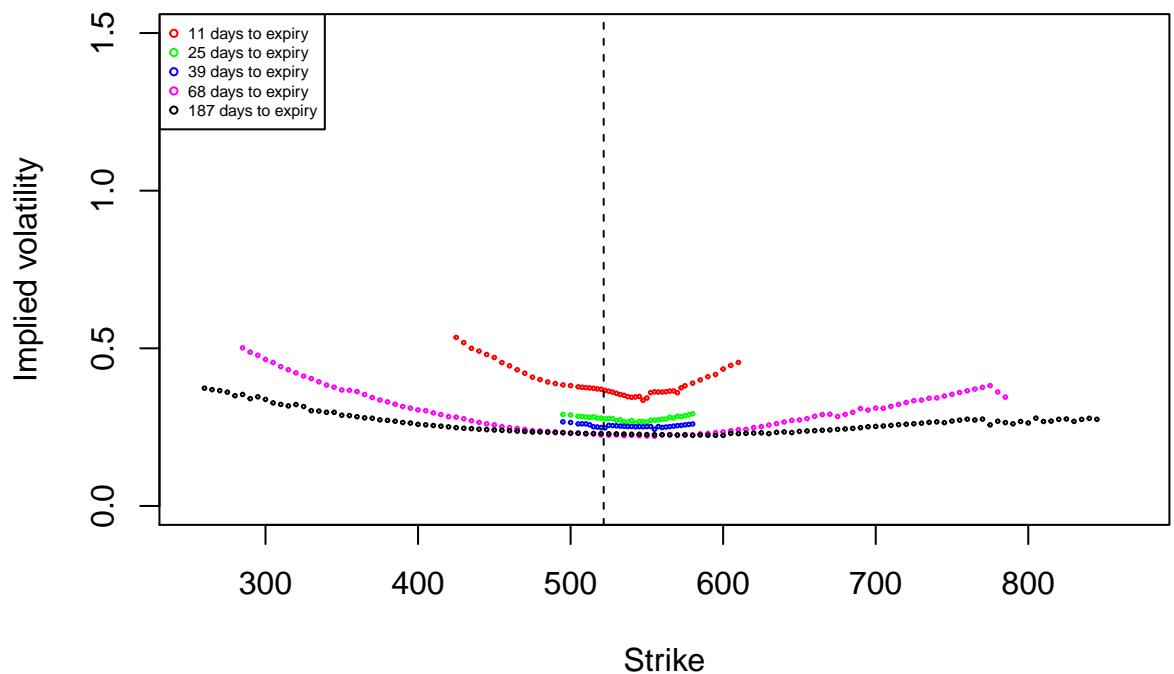
**Apple puts: 2014-04-10 (Price = 523.48)**



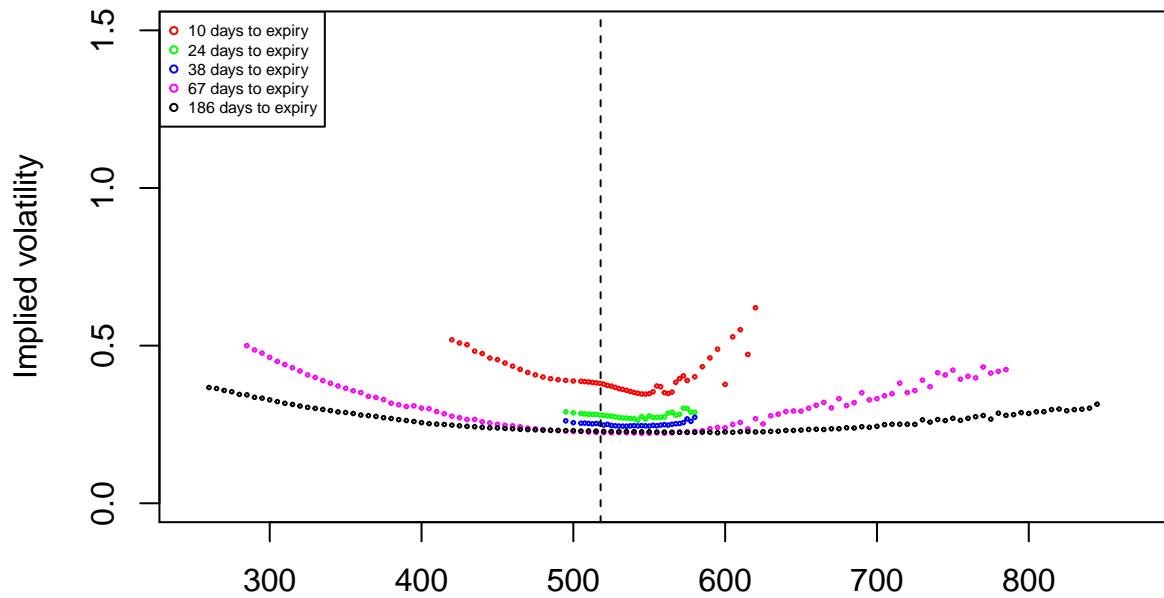
### Apple puts: 2014-04-11 (Price = 519.61)



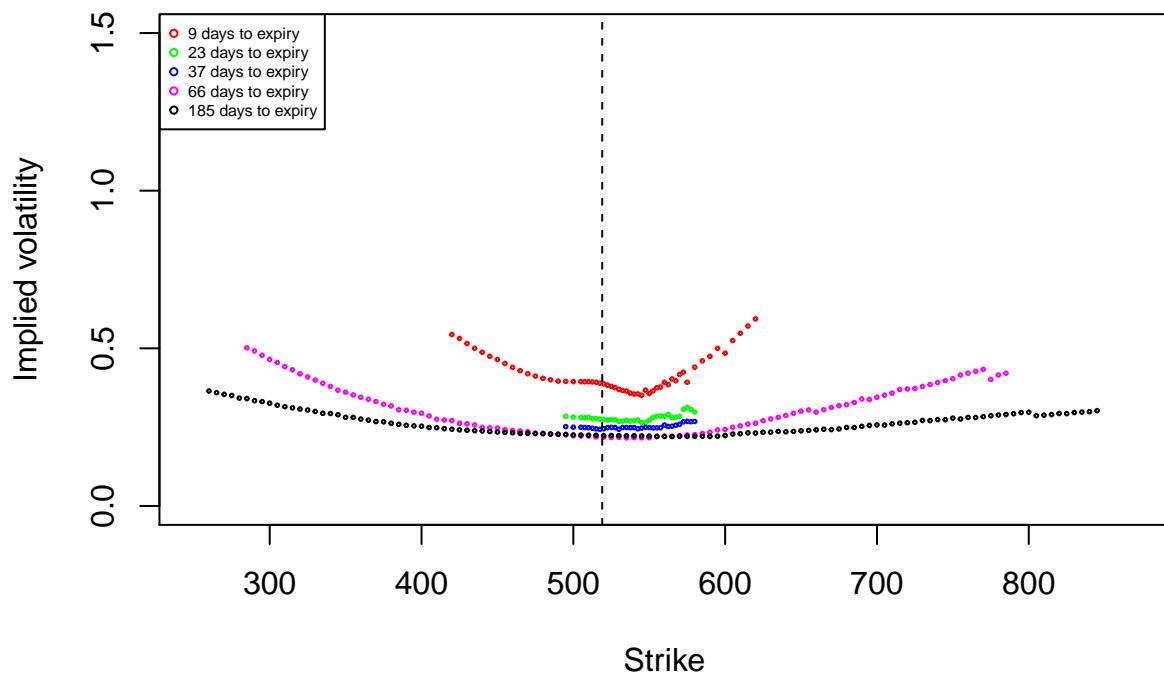
### Strike Apple puts: 2014-04-14 (Price = 521.68)



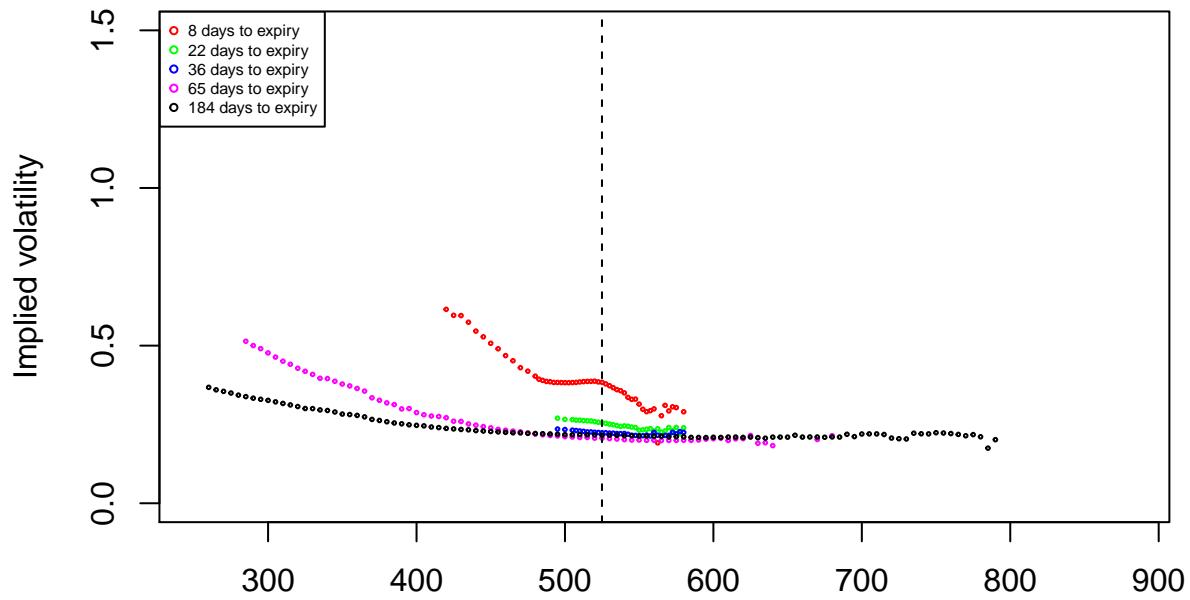
### Apple puts: 2014-04-15 (Price = 517.9599)



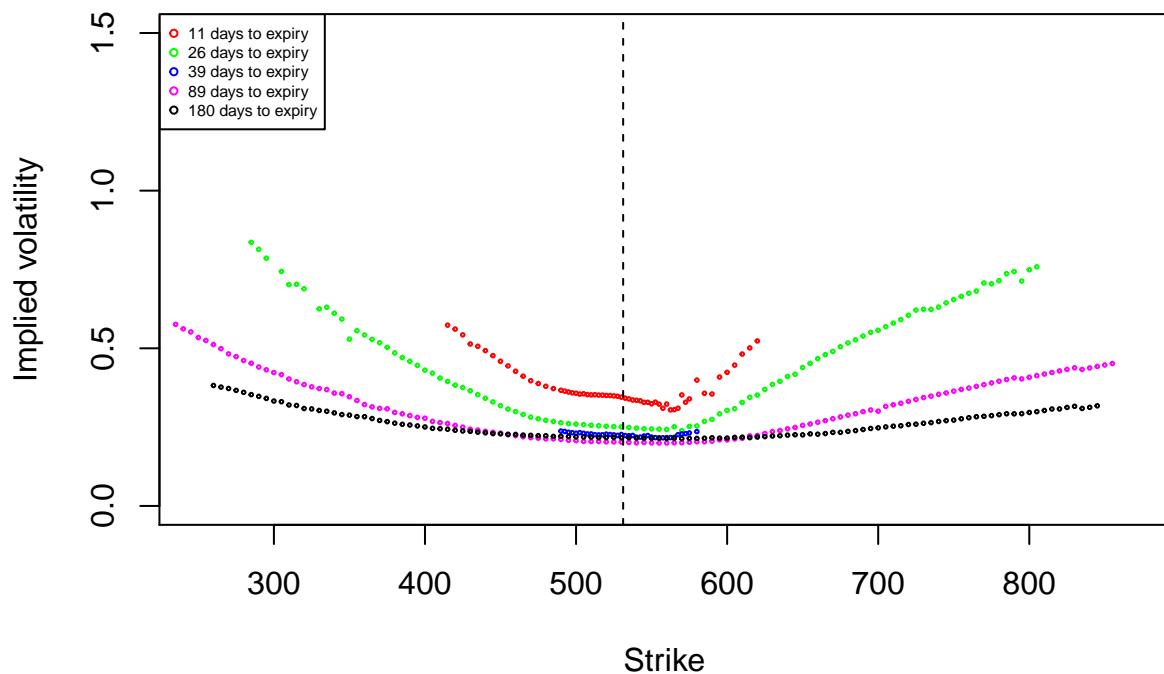
### Strike Apple puts: 2014-04-16 (Price = 519.01)



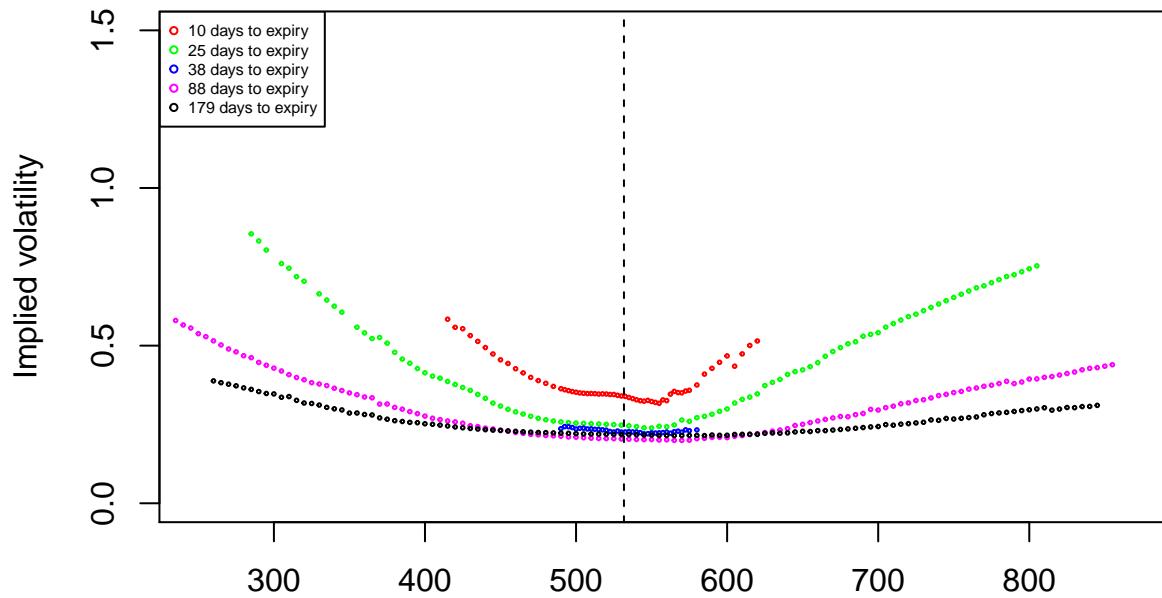
**Apple puts: 2014-04-17 (Price = 524.94)**



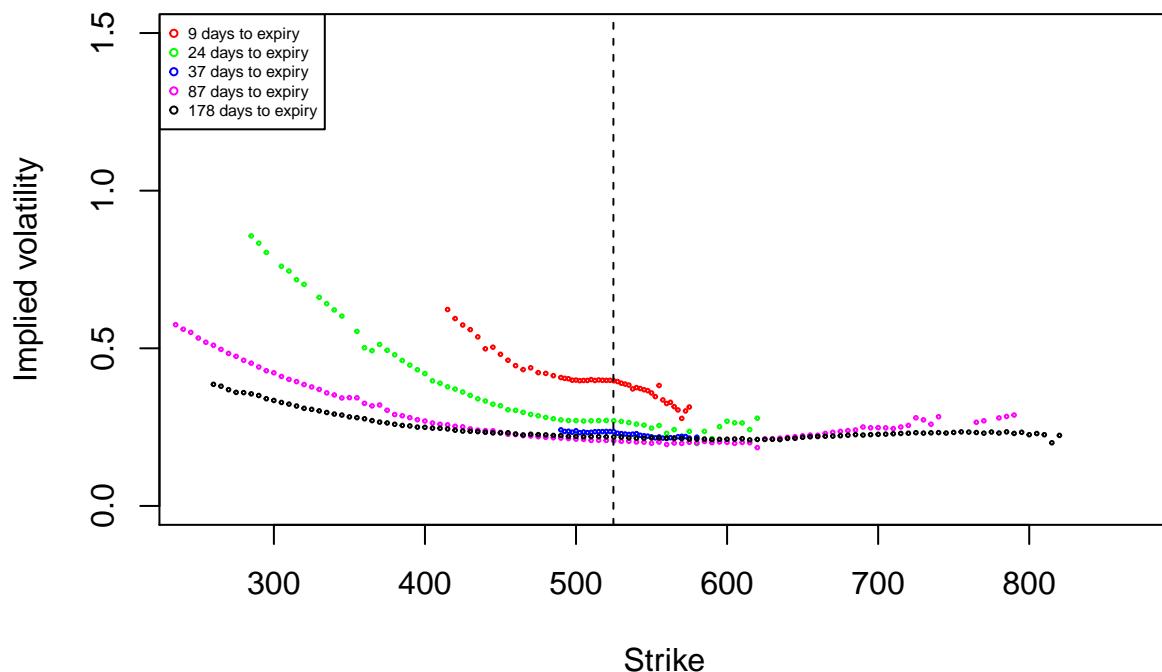
**Strike**  
**Apple puts: 2014-04-21 (Price = 531.17)**



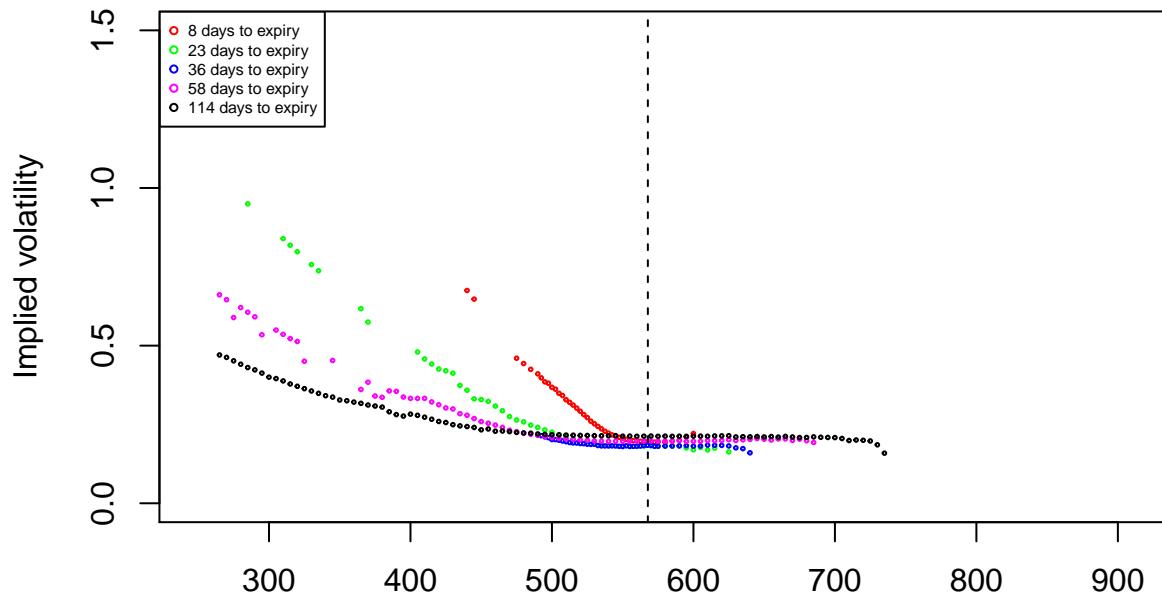
### Apple puts: 2014-04-22 (Price = 531.699)



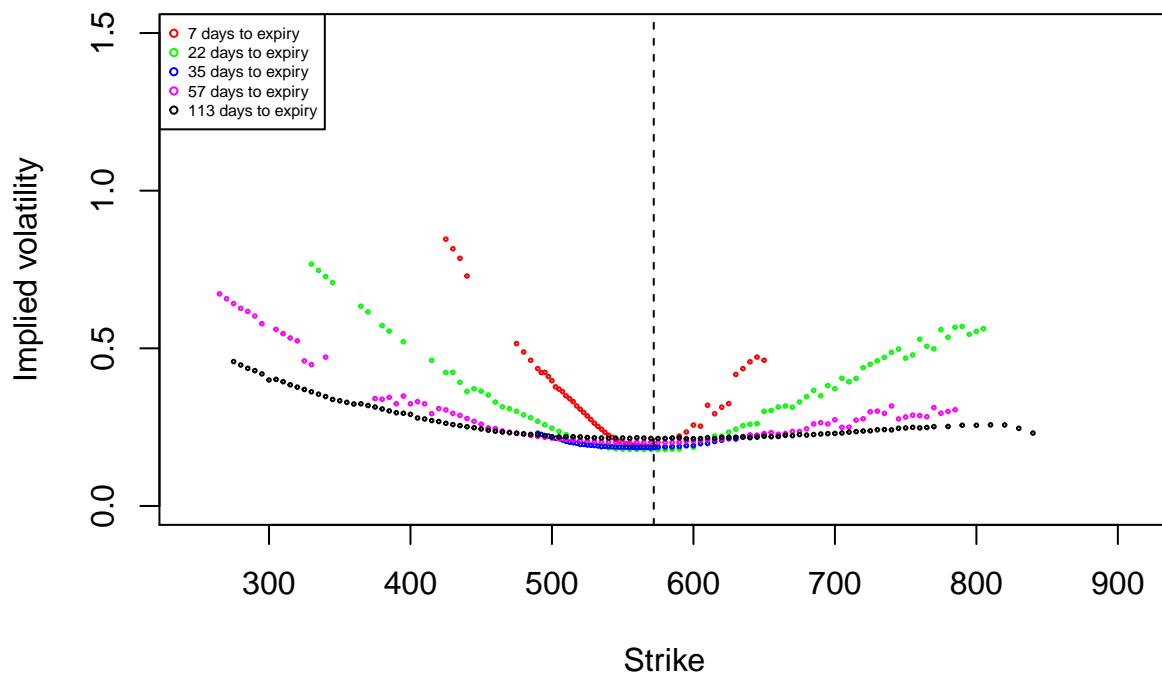
### Apple puts: 2014-04-23(Earnings Announcement) (Price = 524.75)



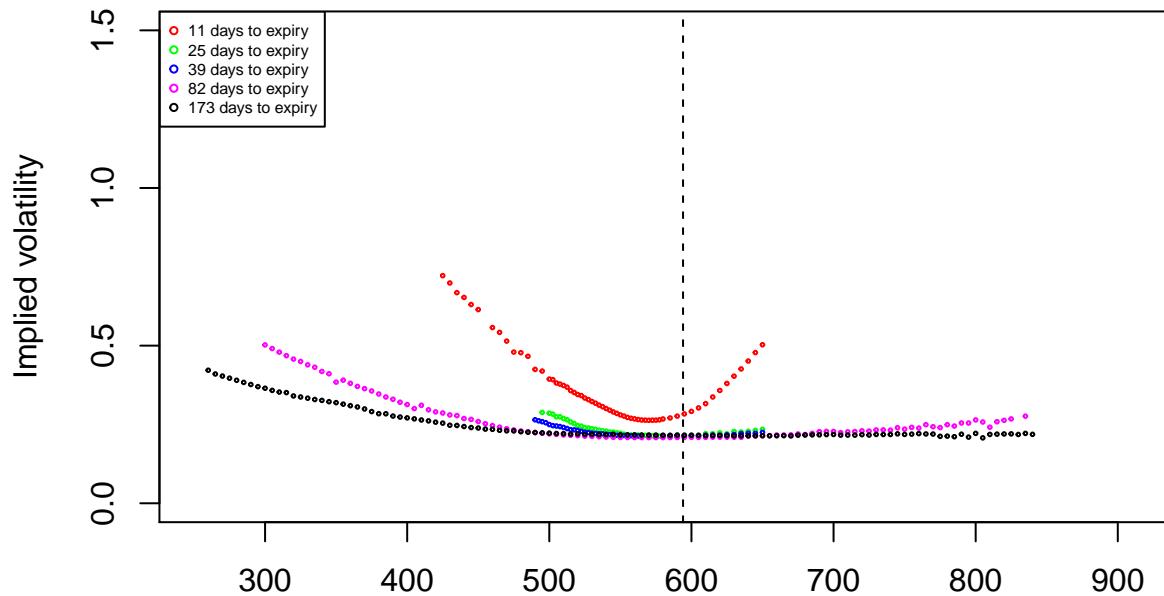
### Apple puts: 2014-04-24 (Price = 567.77)



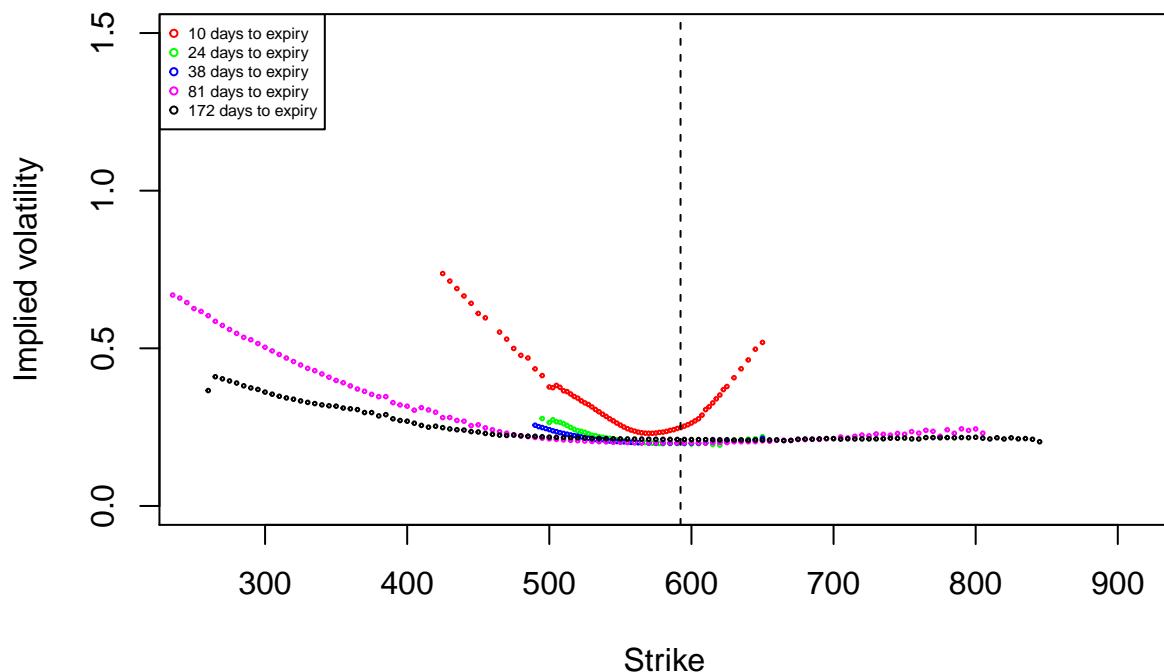
### Apple puts: 2014-04-25 (Price = 571.94)



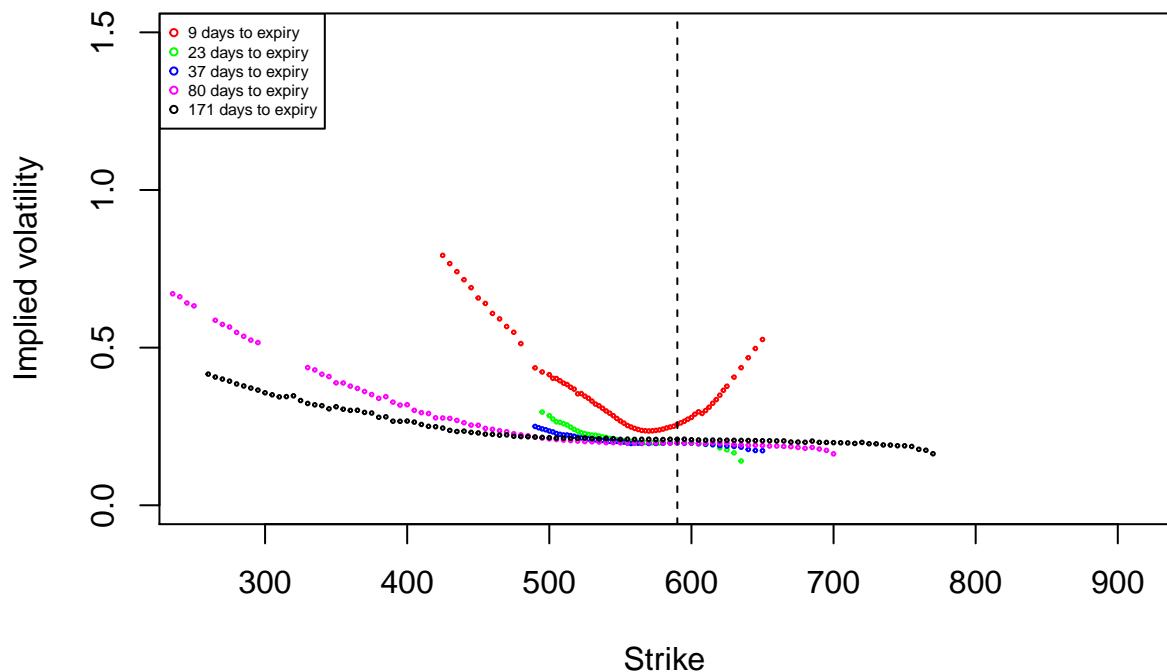
### Apple puts: 2014-04-28 (Price = 594.09)



### Strike Apple puts: 2014-04-29 (Price = 592.33)

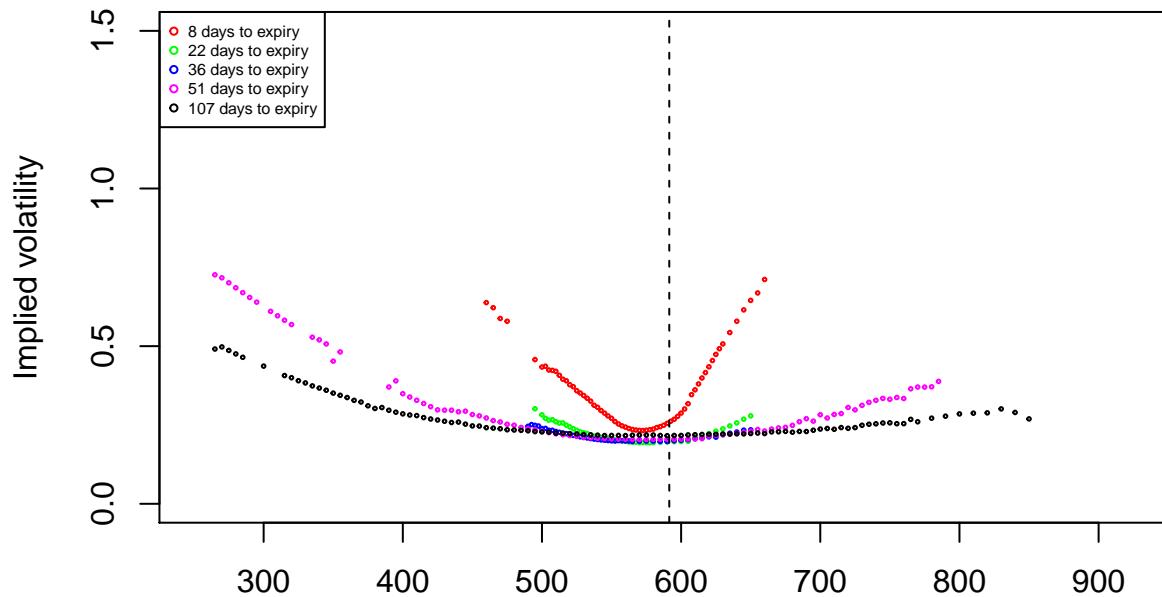


### Apple puts: 2014-04-30 (Price = 590.09)

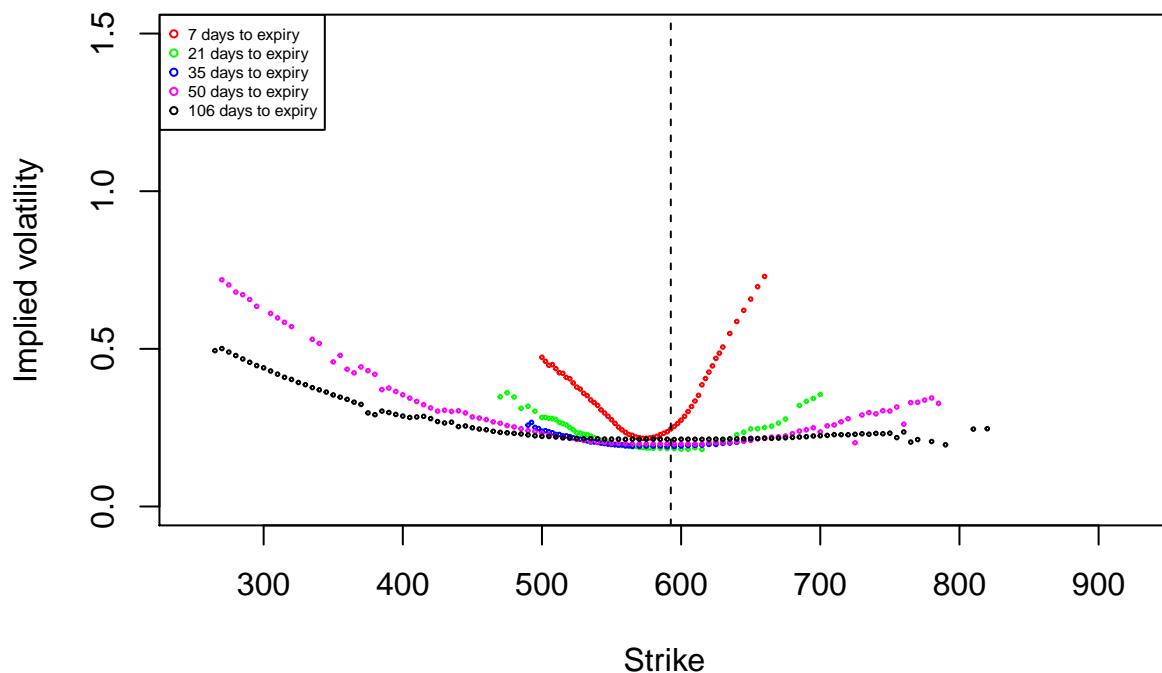


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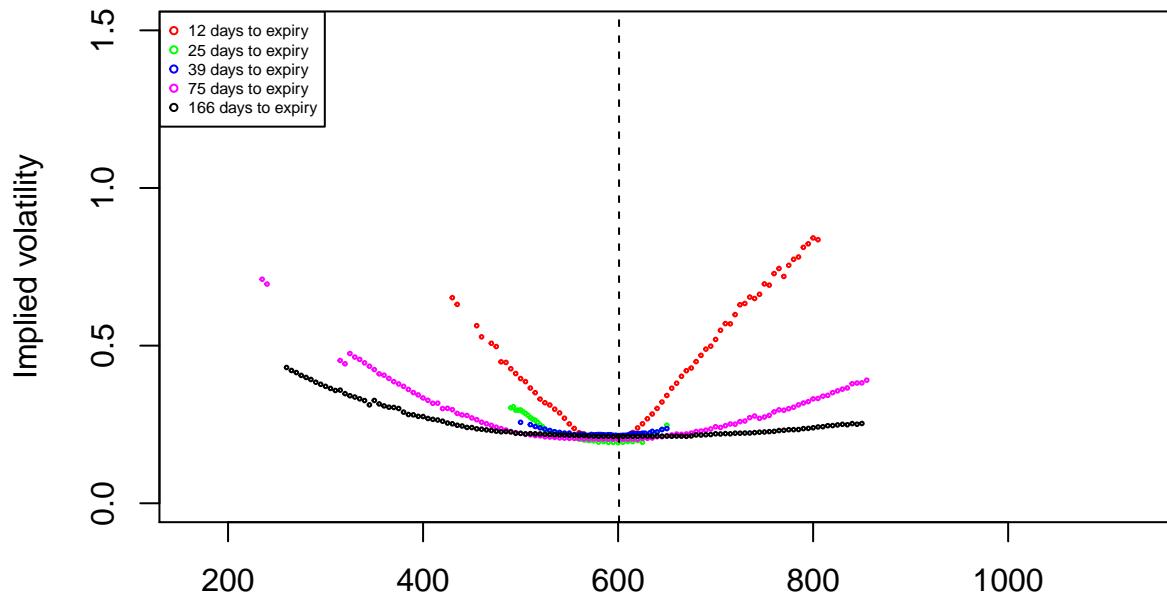
**Apple puts: 2014-05-01 (Price = 591.48)**



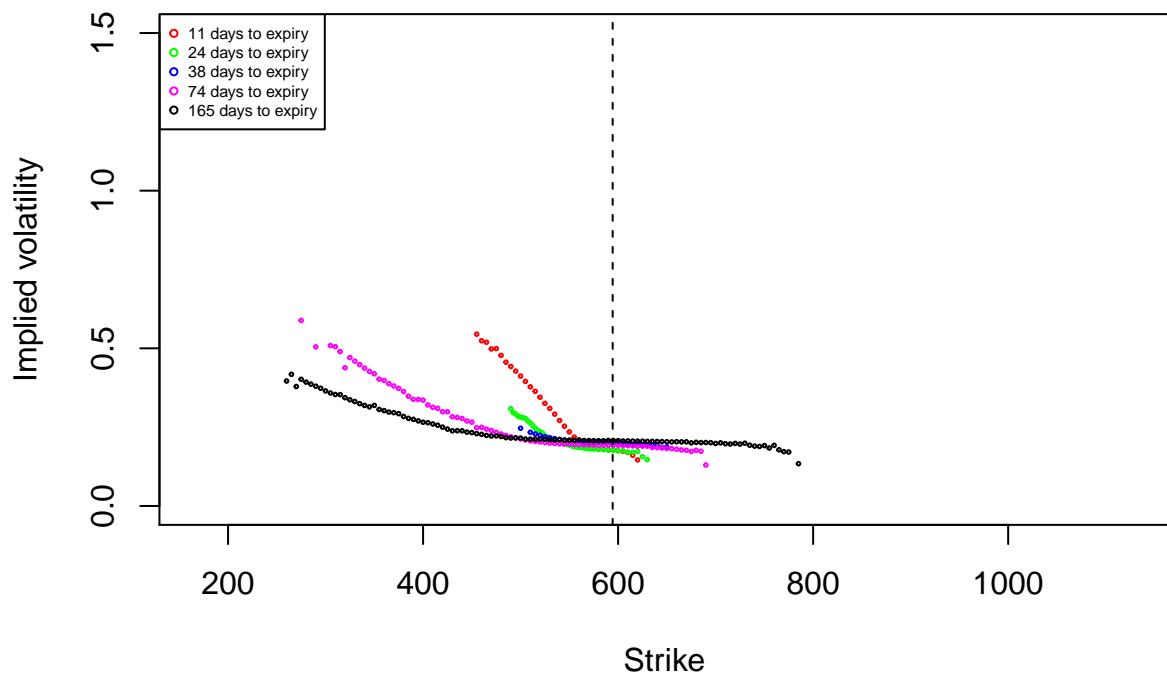
**Apple puts: 2014-05-02 (Price = 592.58)**



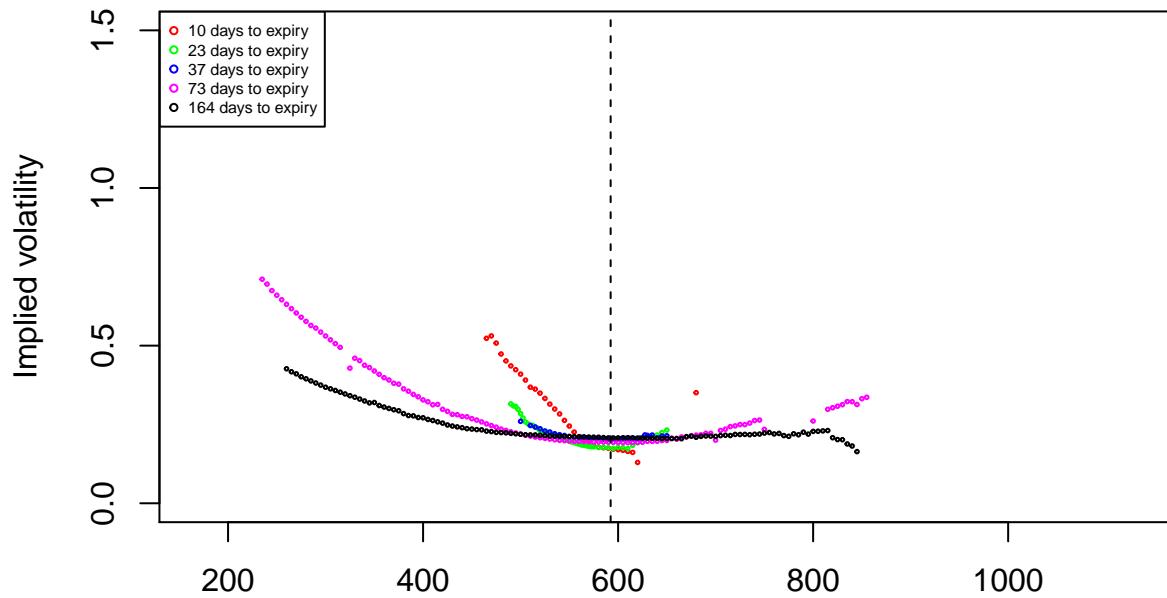
### Apple puts: 2014-05-05 (Price = 600.96)



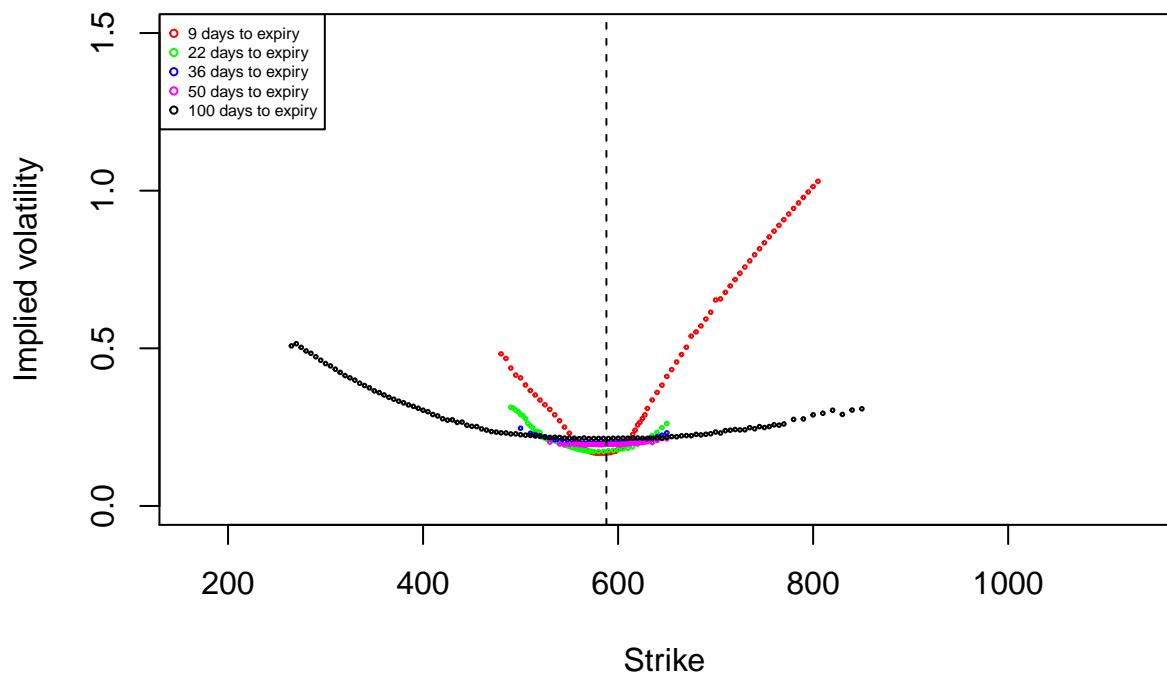
### Apple puts: 2014-05-06 (Price = 594.41)



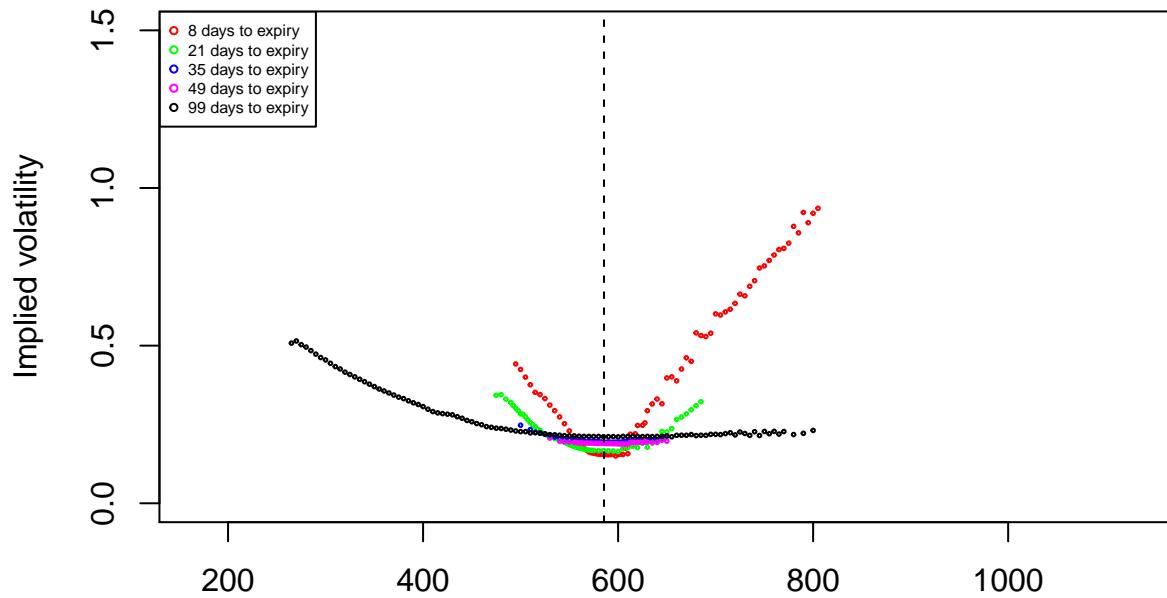
### Apple puts: 2014-05-07 (Price = 592.33)



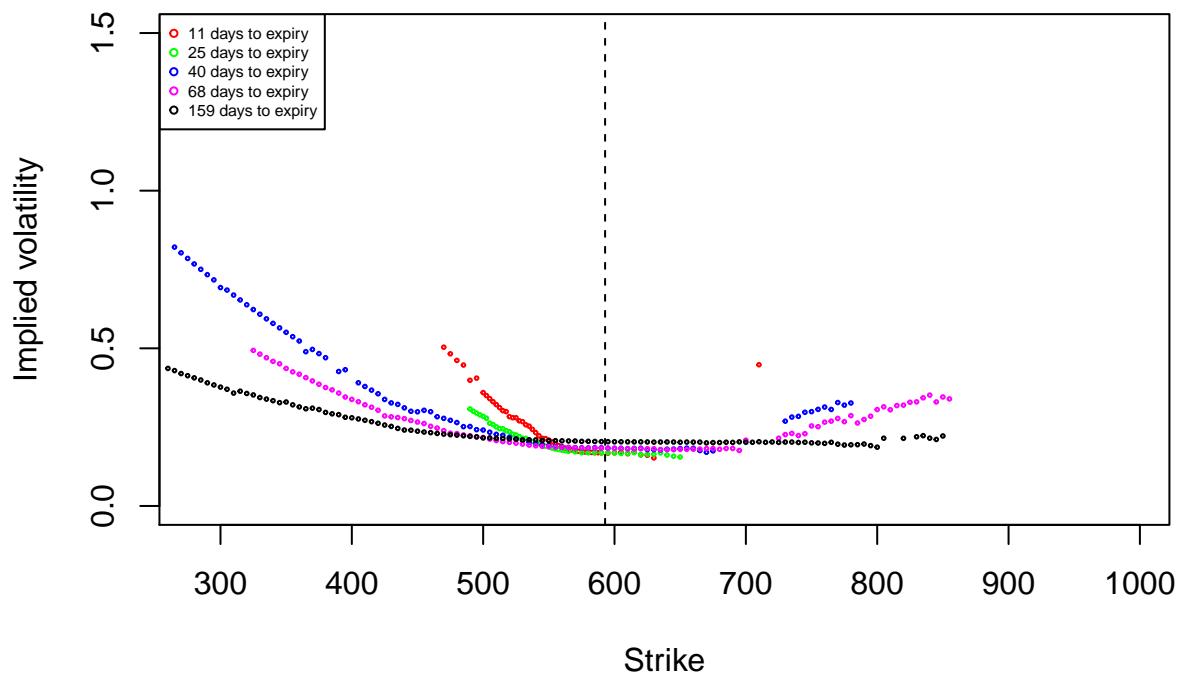
### Strike Apple puts: 2014-05-08 (Price = 587.99)



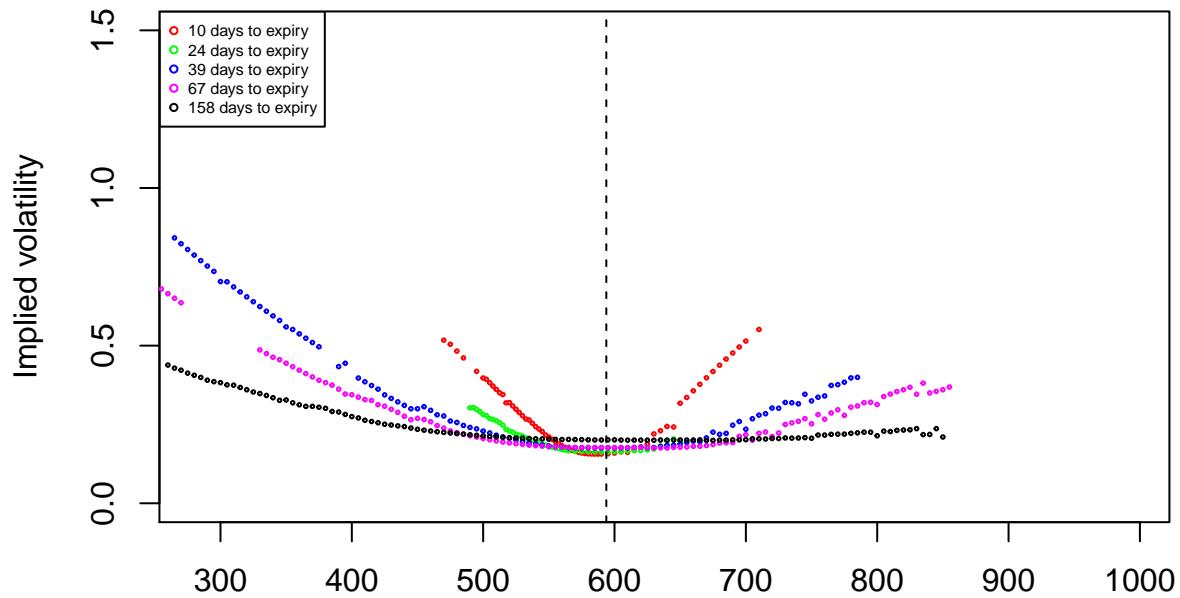
**Apple puts: 2014-05-09 (Price = 585.5425)**



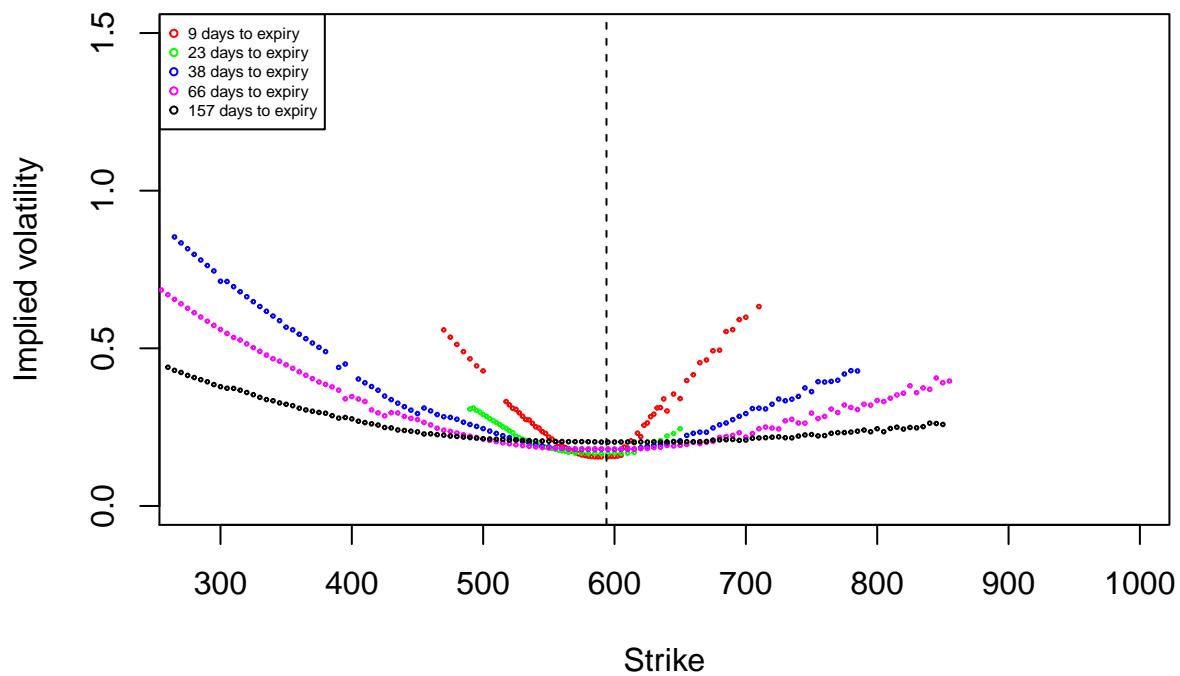
**Strike**  
**Apple puts: 2014-05-12 (Price = 592.83)**



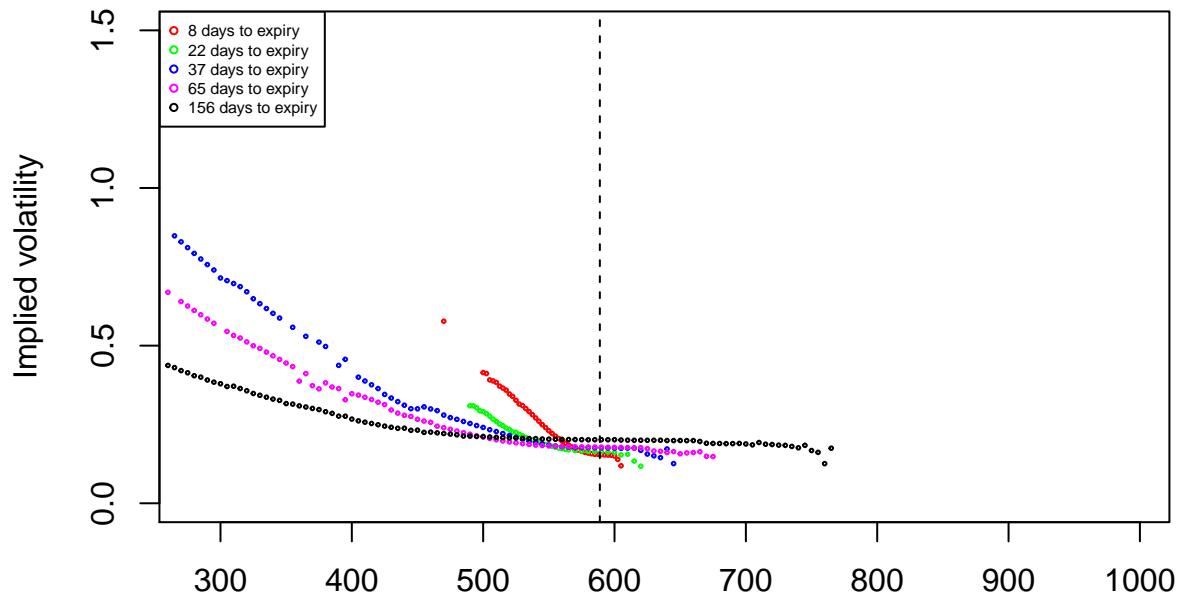
**Apple puts: 2014-05-13 (Price = 593.76)**



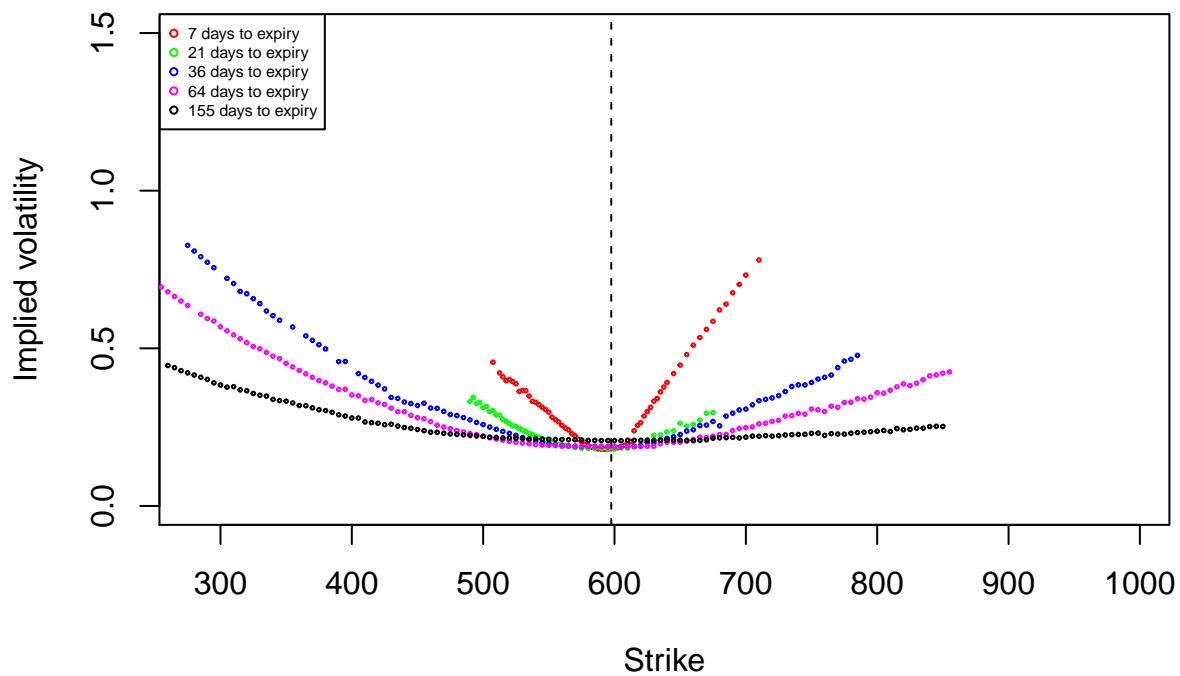
**Strike**  
**Apple puts: 2014-05-14 (Price = 593.87)**



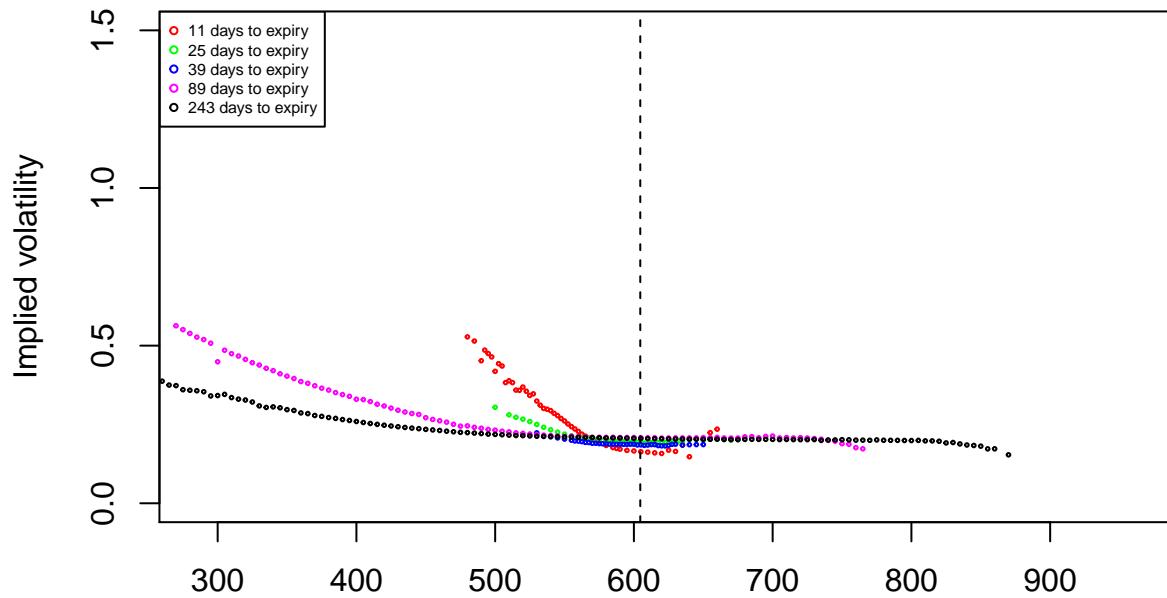
**Apple puts: 2014-05-15 (Price = 588.82)**



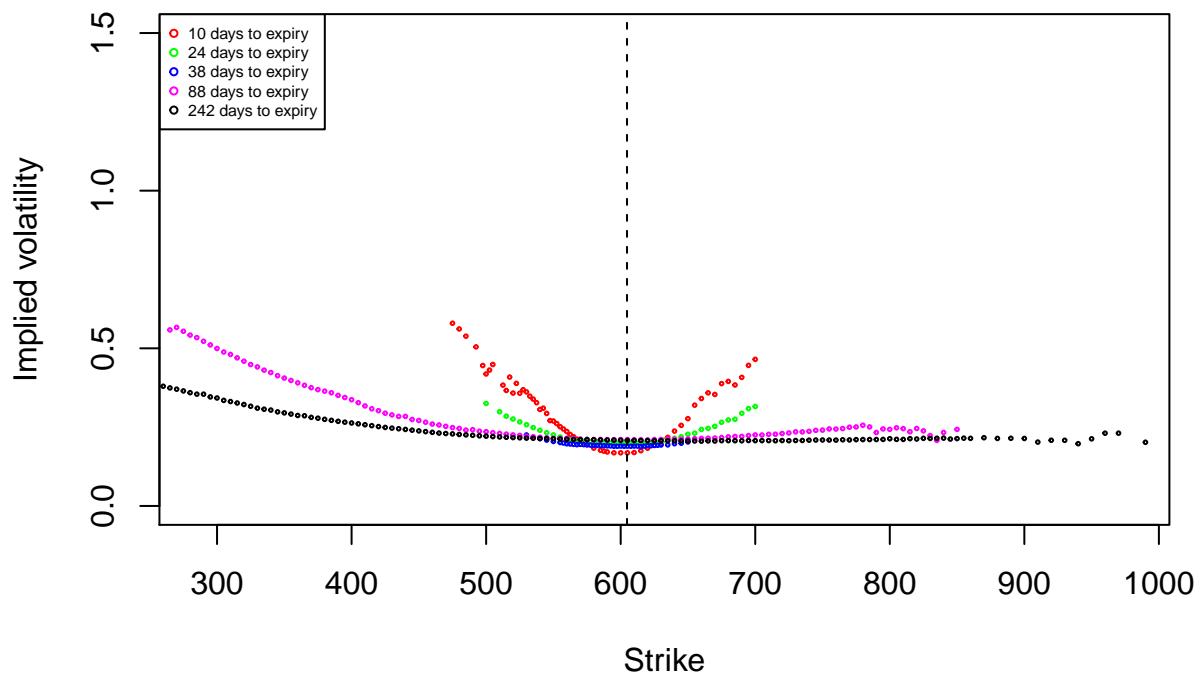
**Apple puts: 2014-05-16 (Price = 597.51)**



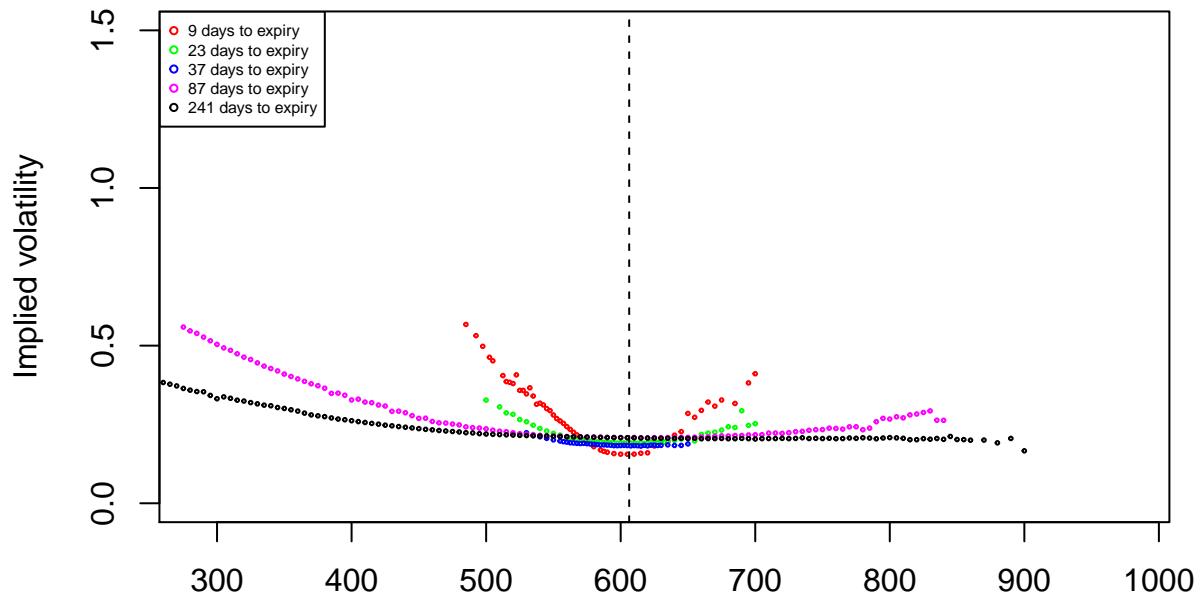
**Apple puts: 2014-05-19 (Price = 604.59)**



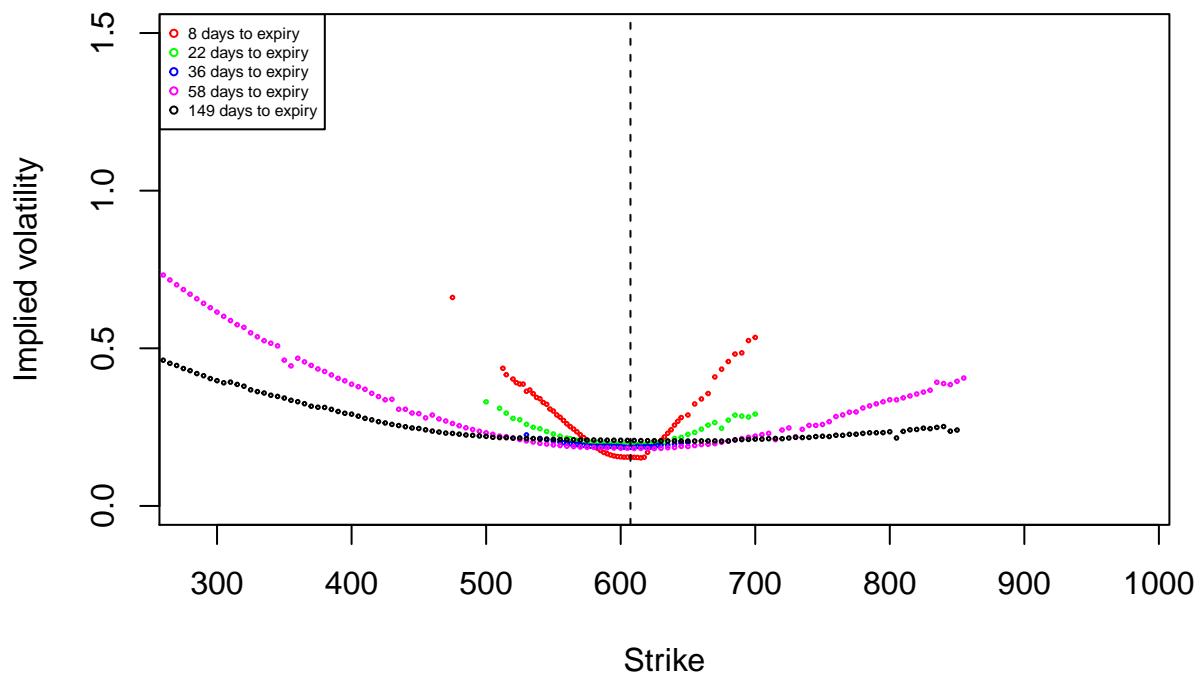
**Strike**  
**Apple puts: 2014-05-20 (Price = 604.71)**



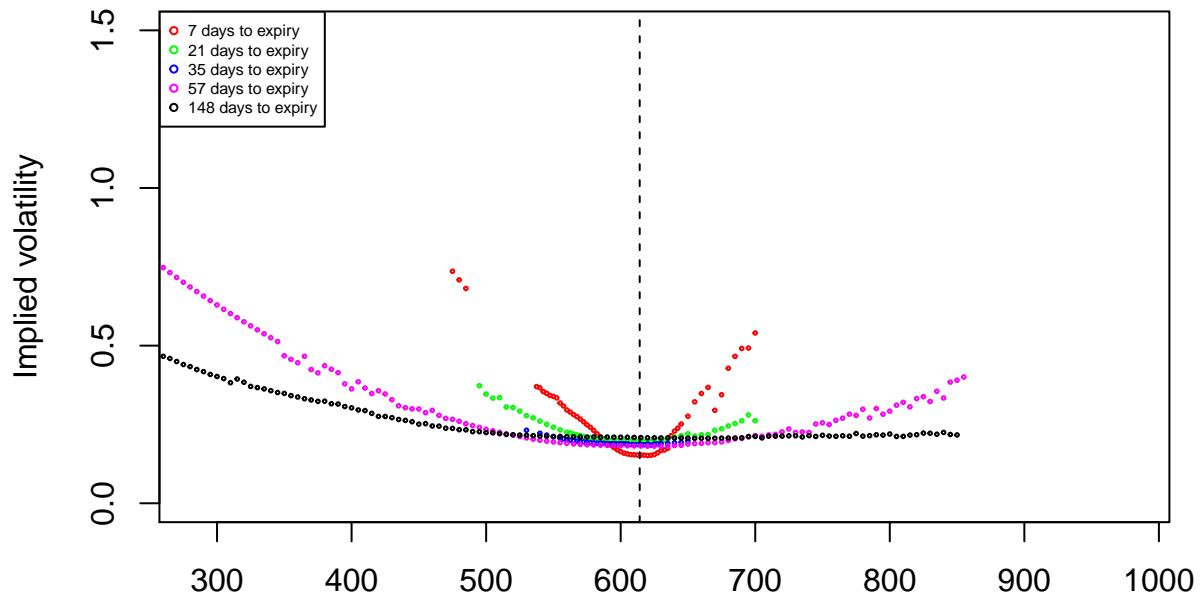
### Apple puts: 2014-05-21 (Price = 606.31)



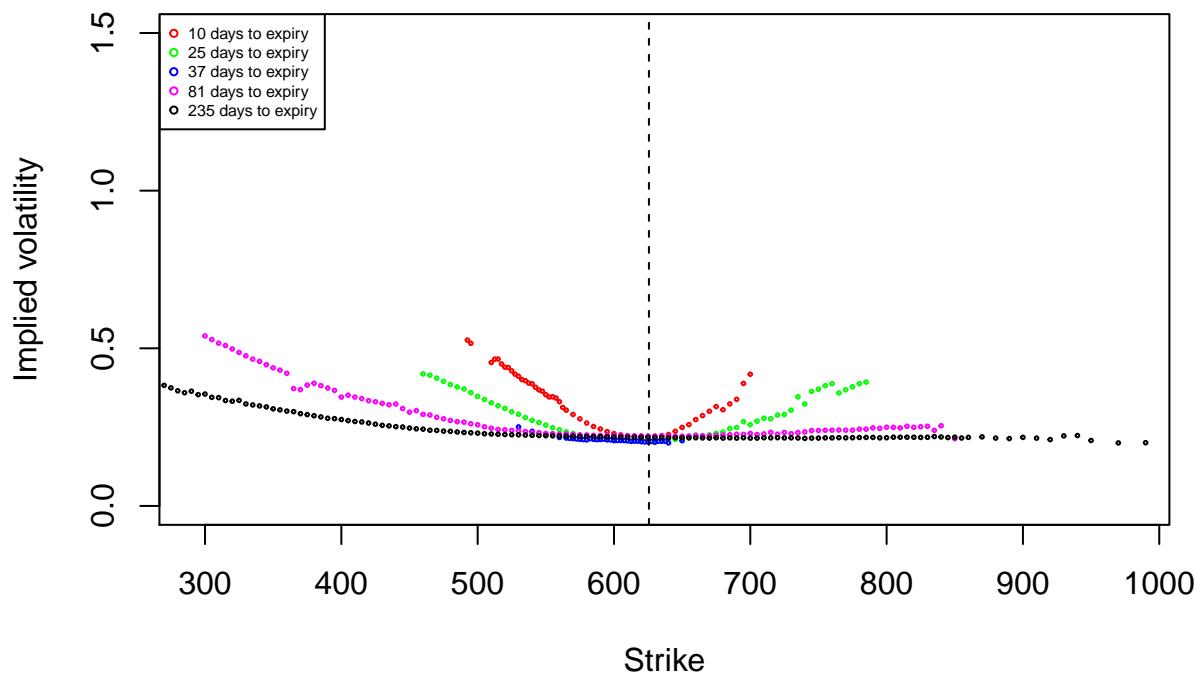
### Strike Apple puts: 2014-05-22 (Price = 607.27)



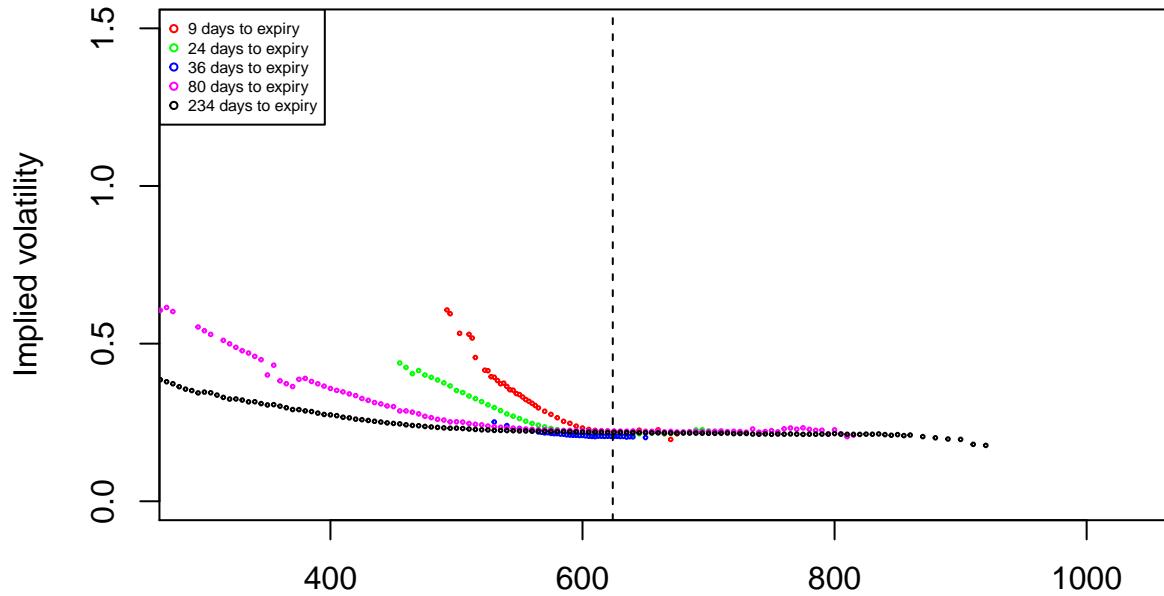
**Apple puts: 2014-05-23 (Price = 614.13)**



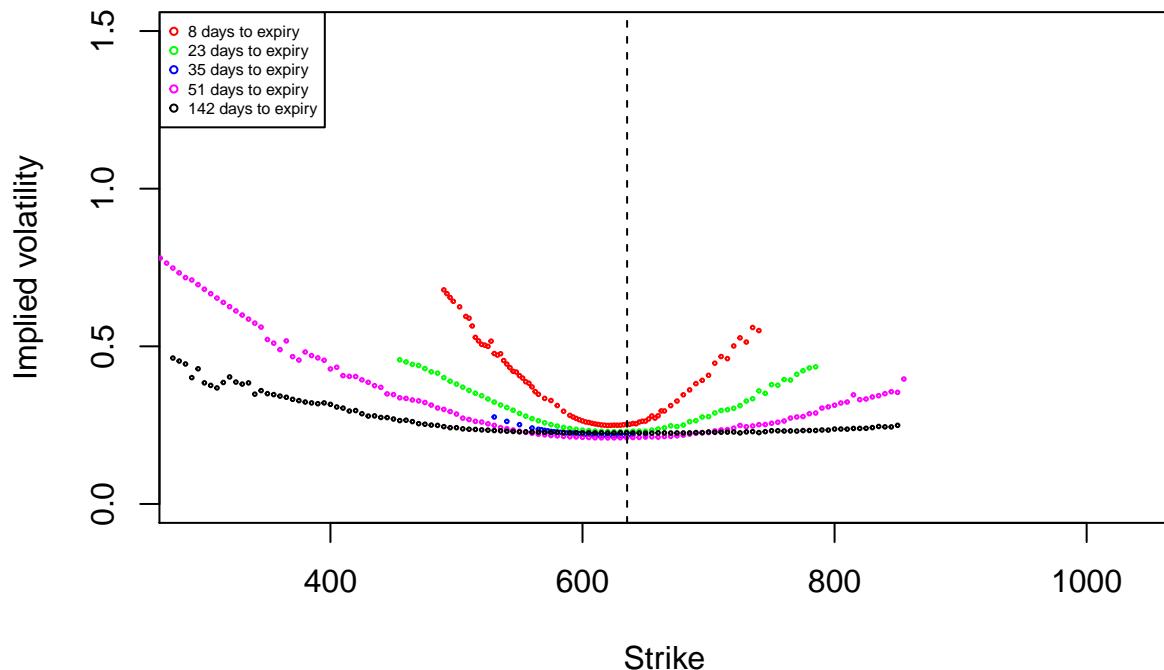
**Strike**  
**Apple puts: 2014-05-27 (Price = 625.63)**



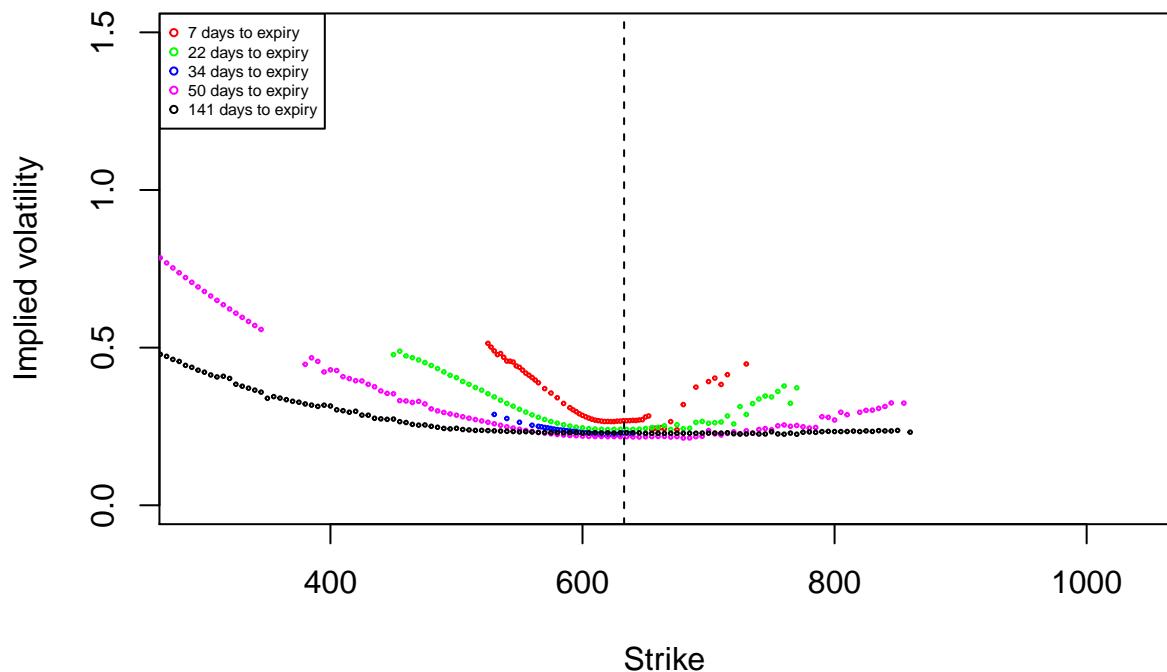
### Apple puts: 2014-05-28 (Price = 624.01)



### Strike Apple puts: 2014-05-29 (Price = 635.38)

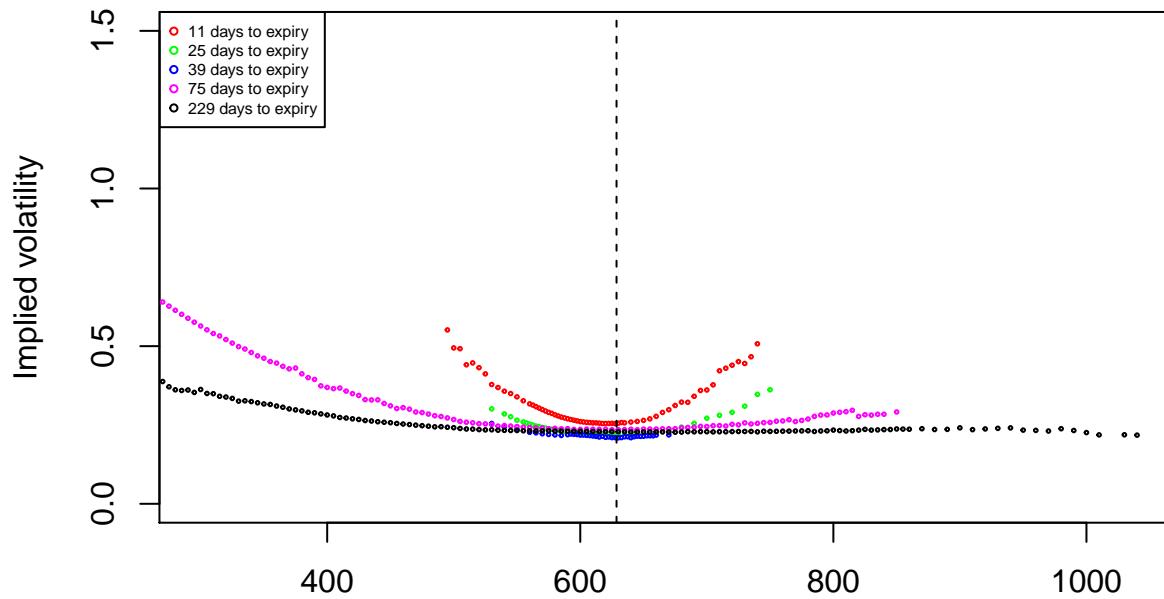


### Apple puts: 2014-05-30 (Price = 633)

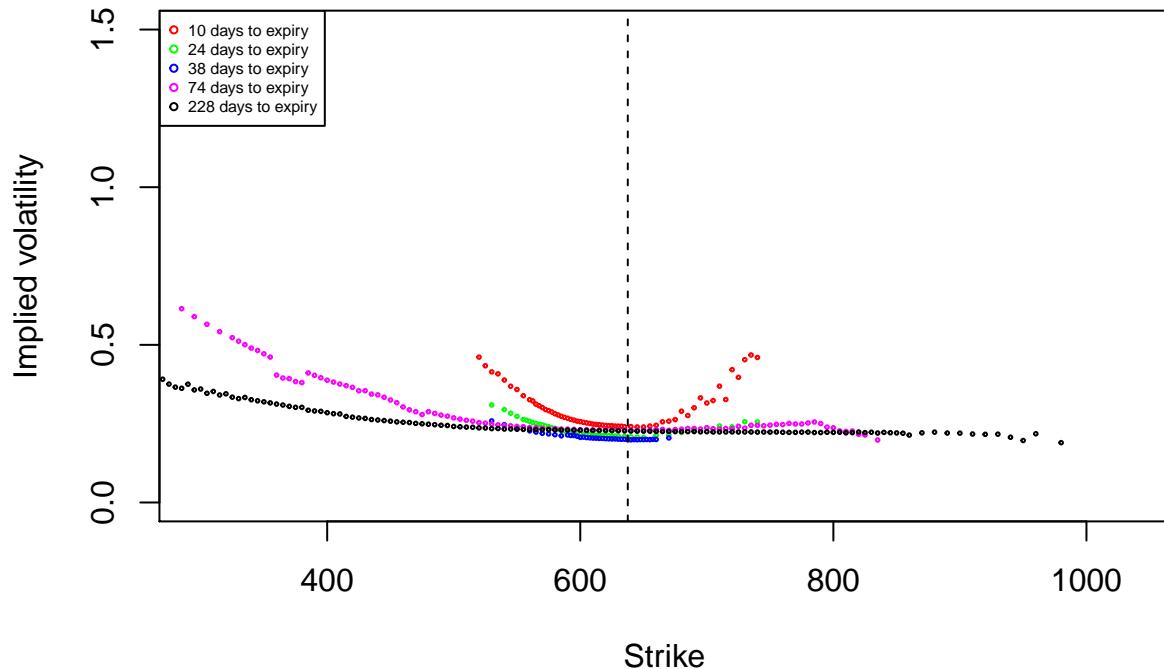


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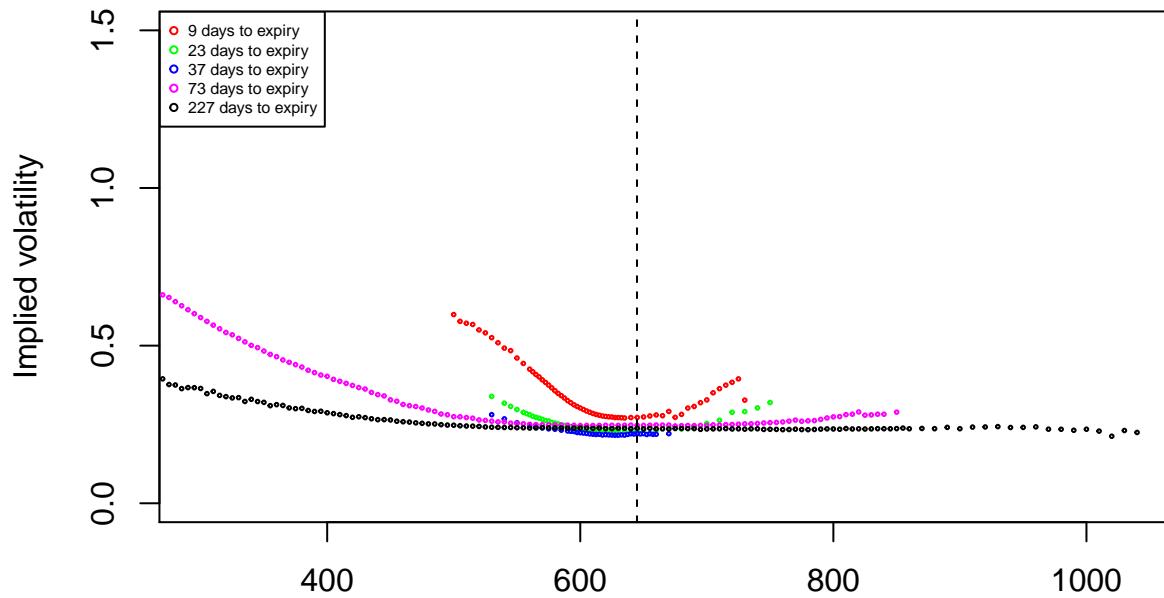
**Apple puts: 2014-06-02 (Price = 628.65)**



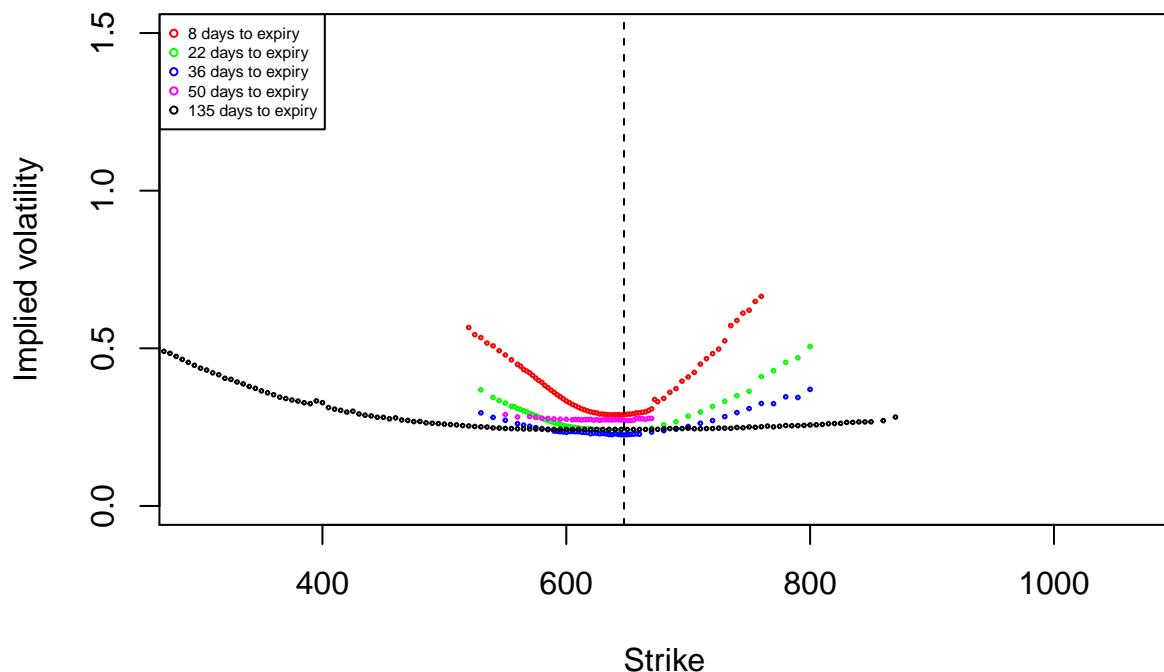
**Strike  
Apple puts: 2014-06-03 (Price = 637.54)**



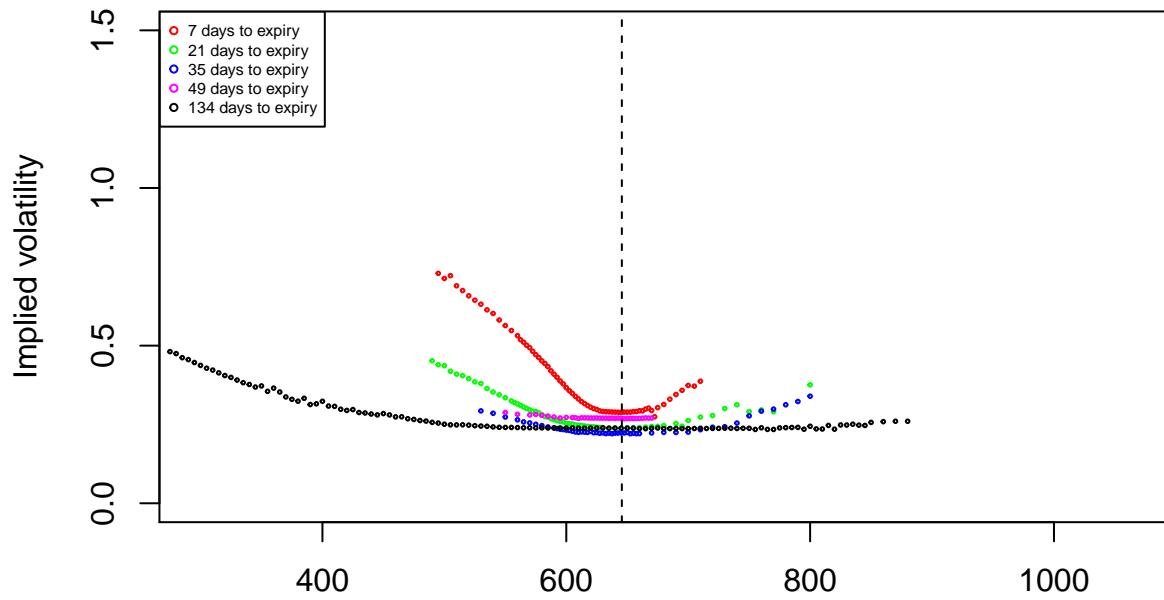
### Apple puts: 2014-06-04 (Price = 644.82)



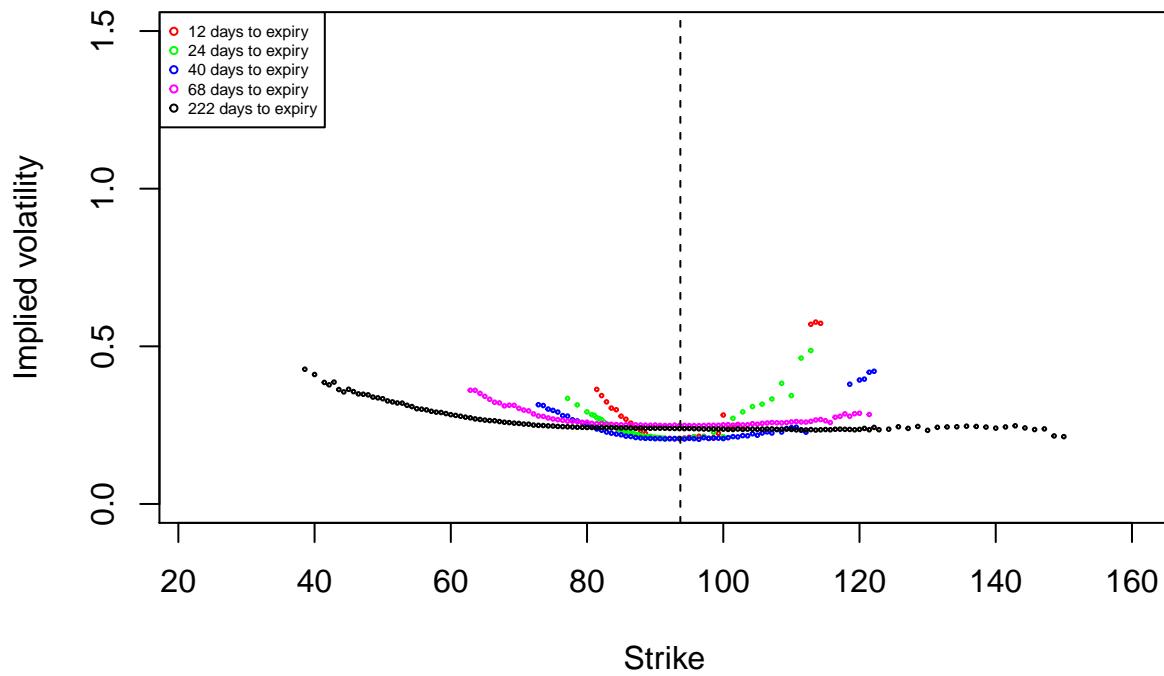
### Strike Apple puts: 2014-06-05 (Price = 647.35)



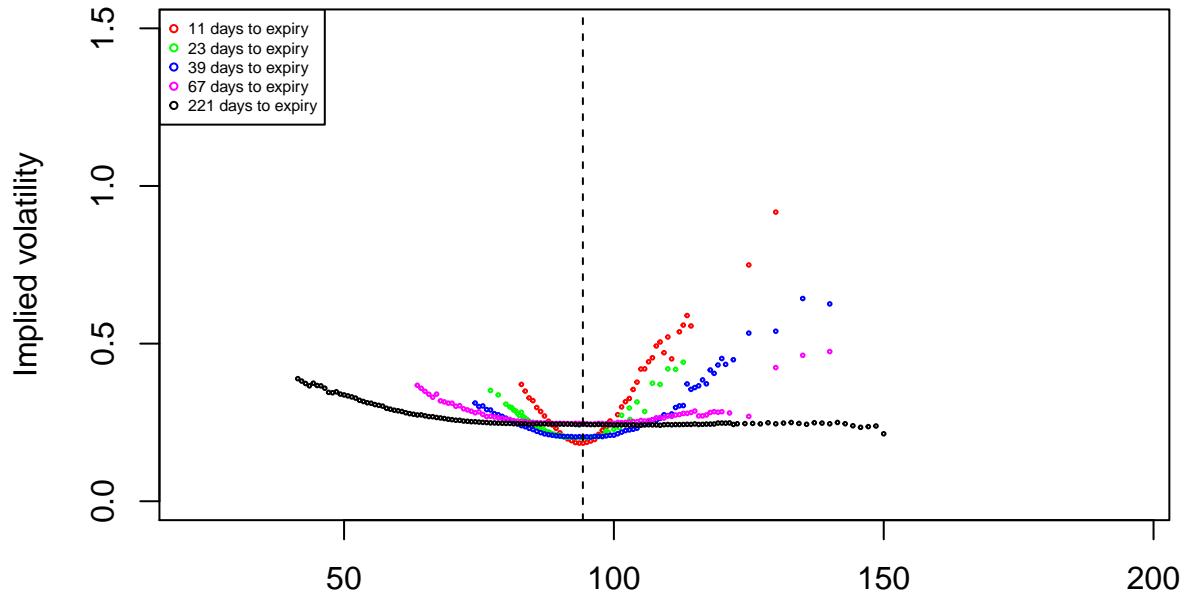
**Apple puts: 2014-06-06 (Price = 645.57)**



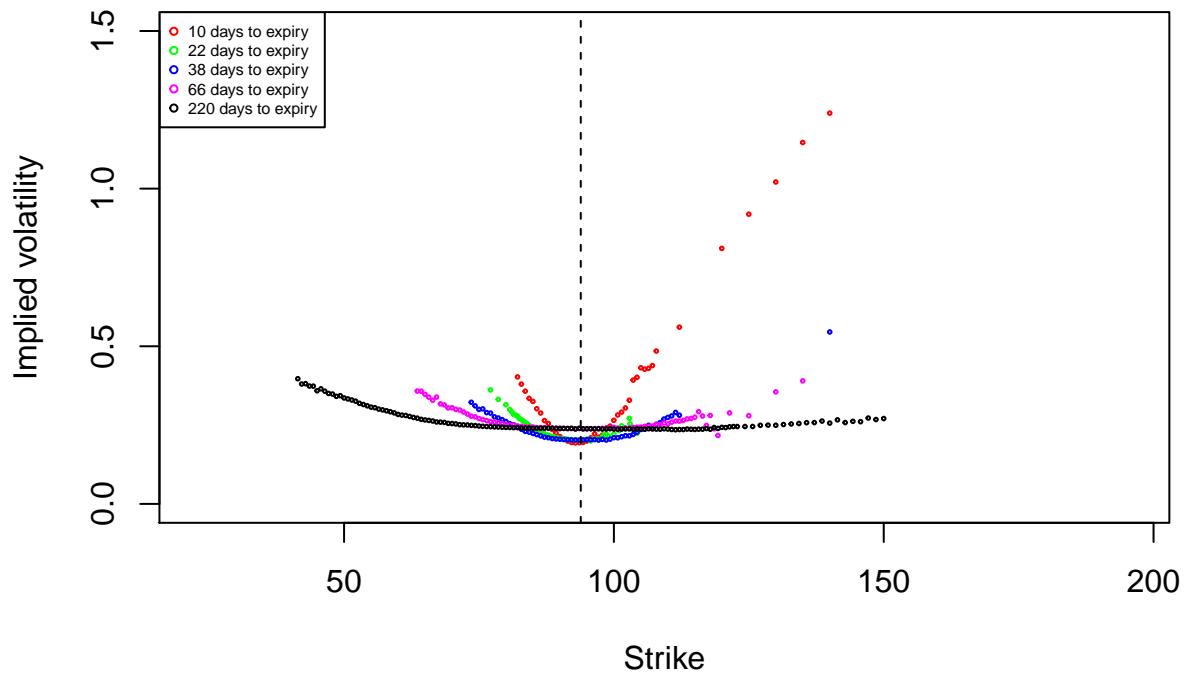
**Apple puts: 2014-06-09 (Price = 93.7)**



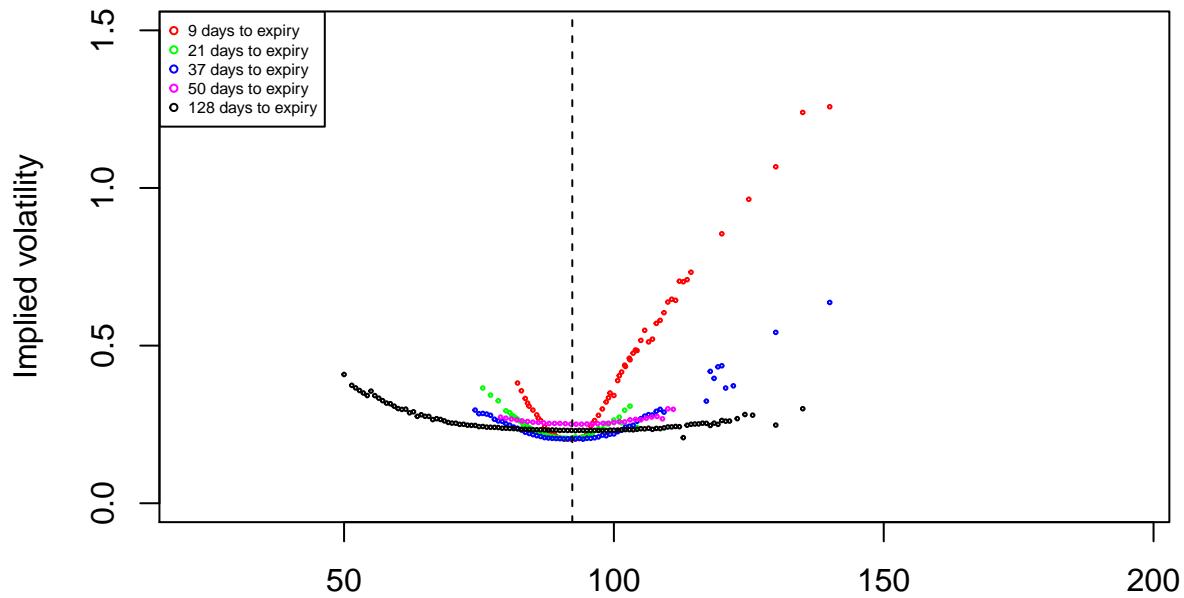
**Apple puts: 2014–06–10 (Price = 94.25)**



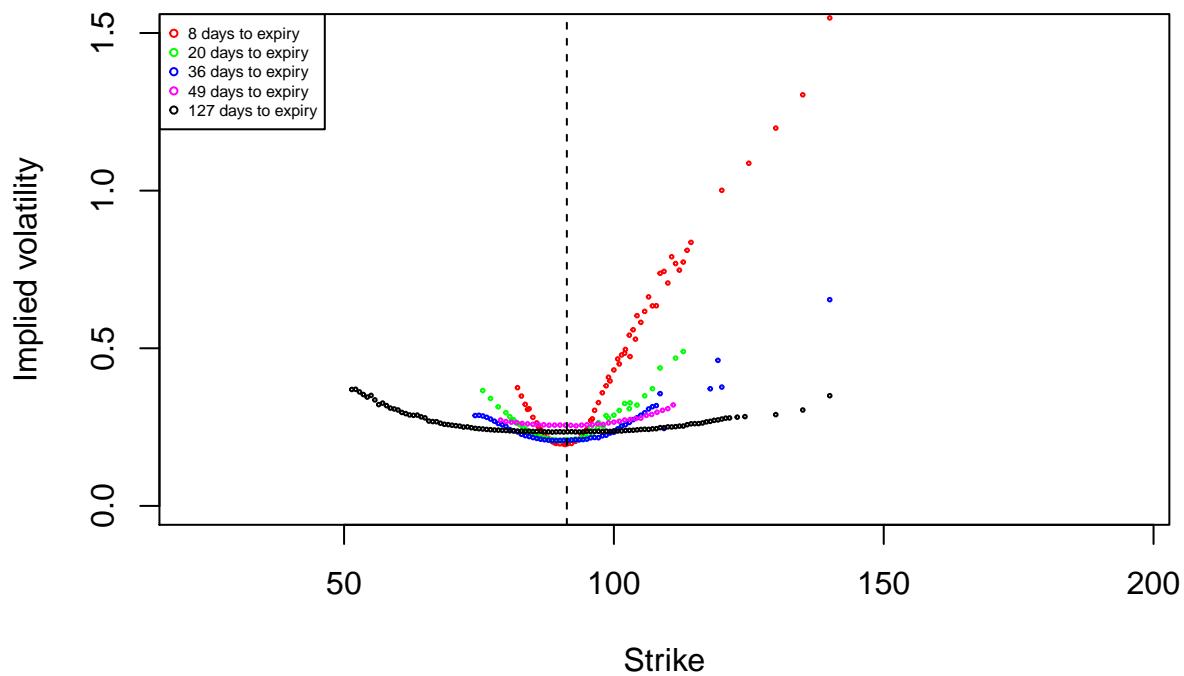
**Apple puts: 2014–06–11 (Price = 93.86)**



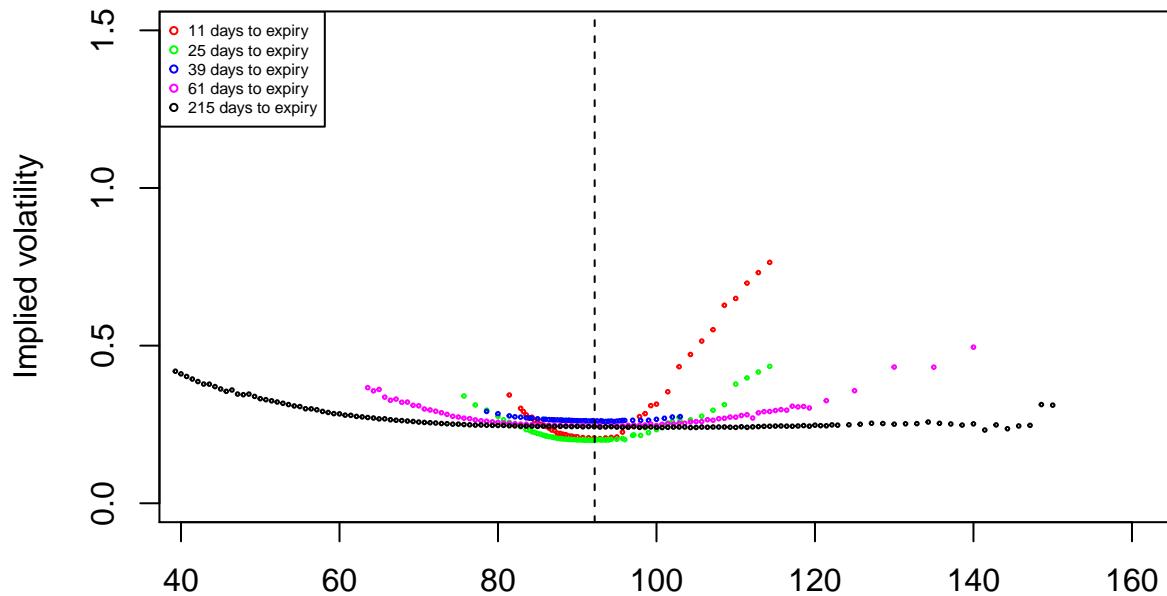
### Apple puts: 2014-06-12 (Price = 92.29)



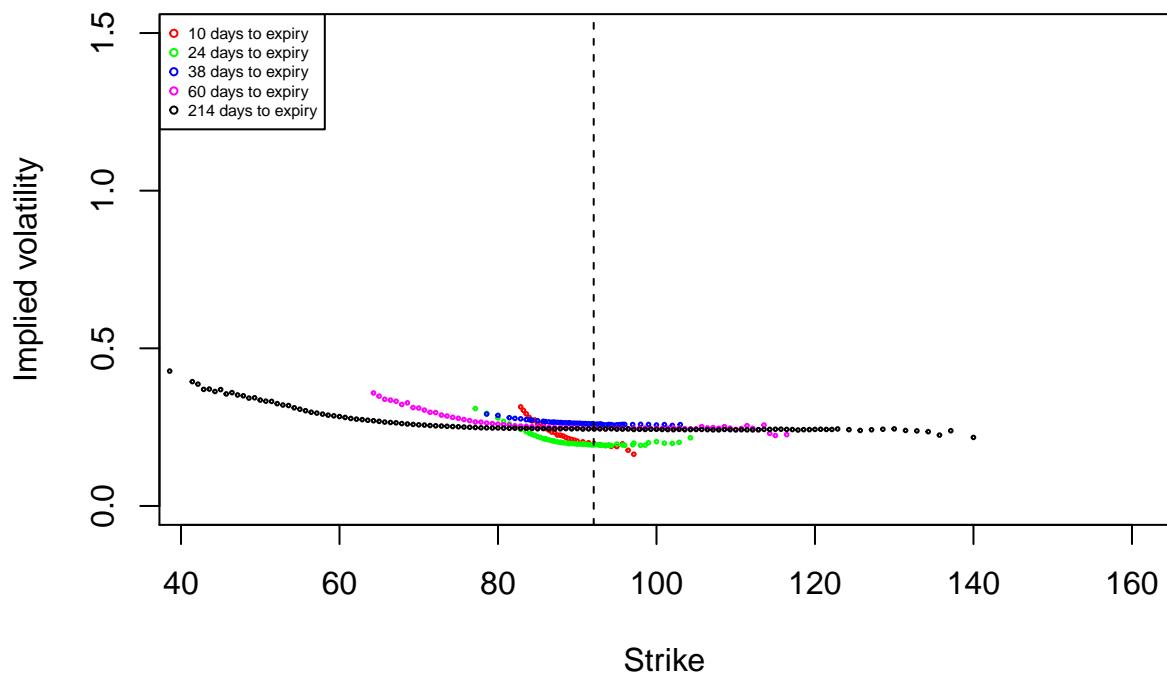
### Apple puts: 2014-06-13 (Price = 91.28)



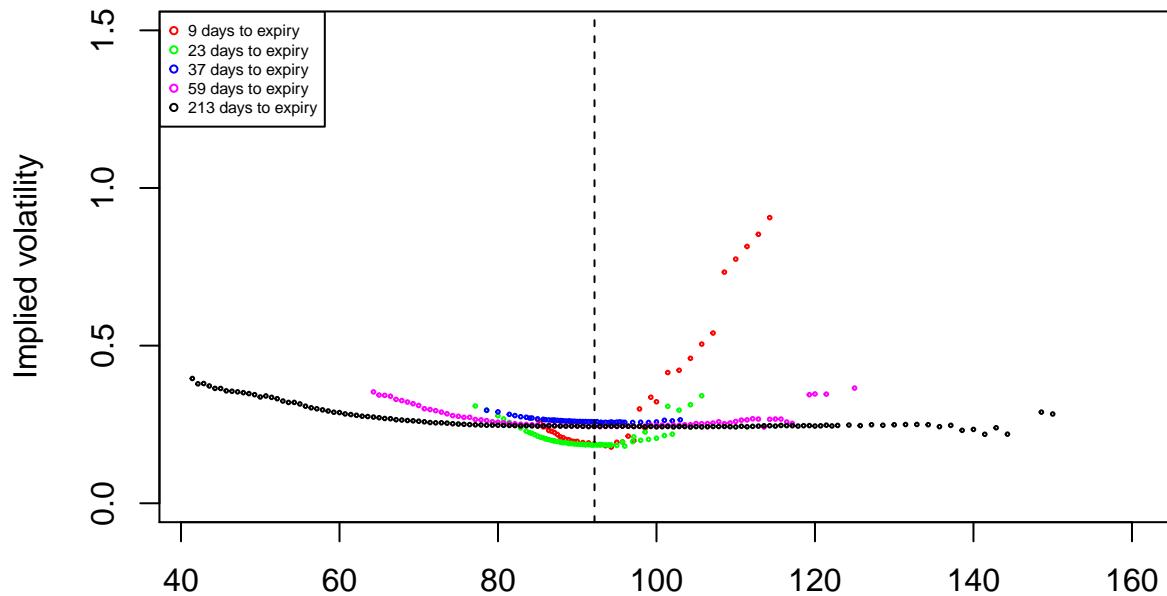
**Apple puts: 2014-06-16 (Price = 92.2)**



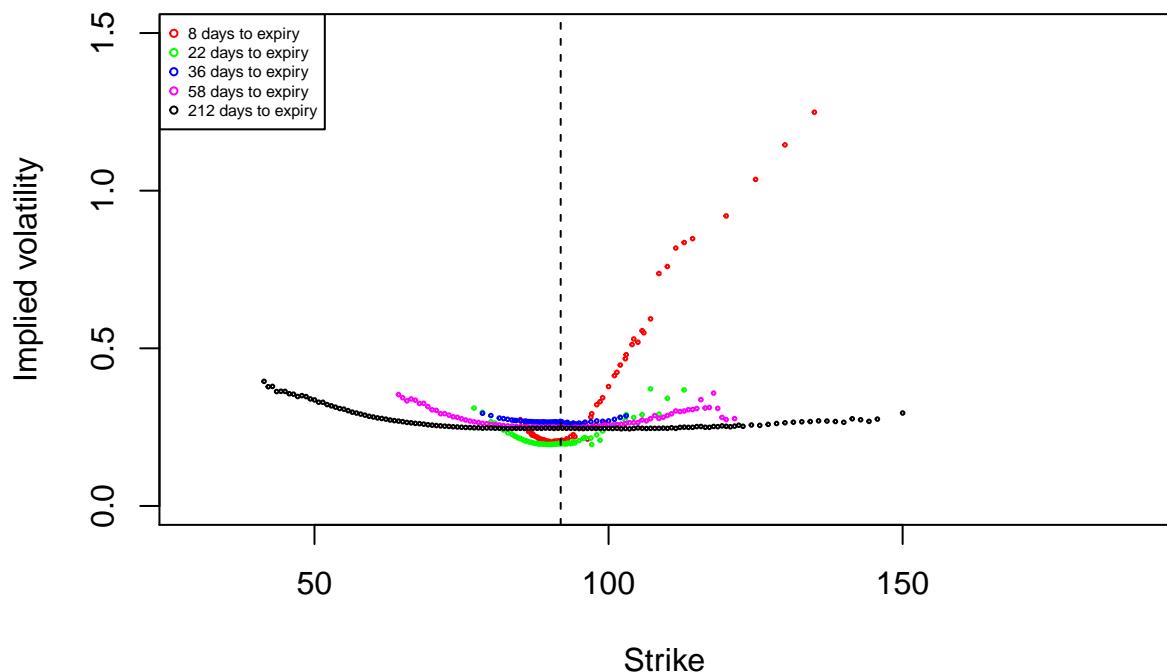
**Apple puts: 2014-06-17 (Price = 92.08)**



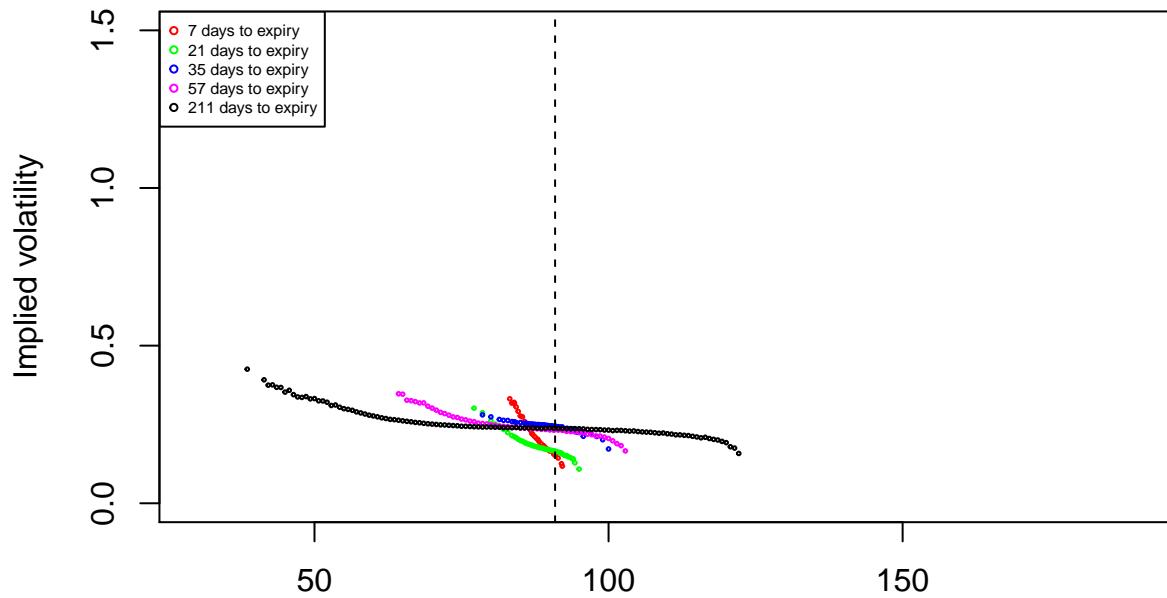
### Apple puts: 2014-06-18 (Price = 92.18)



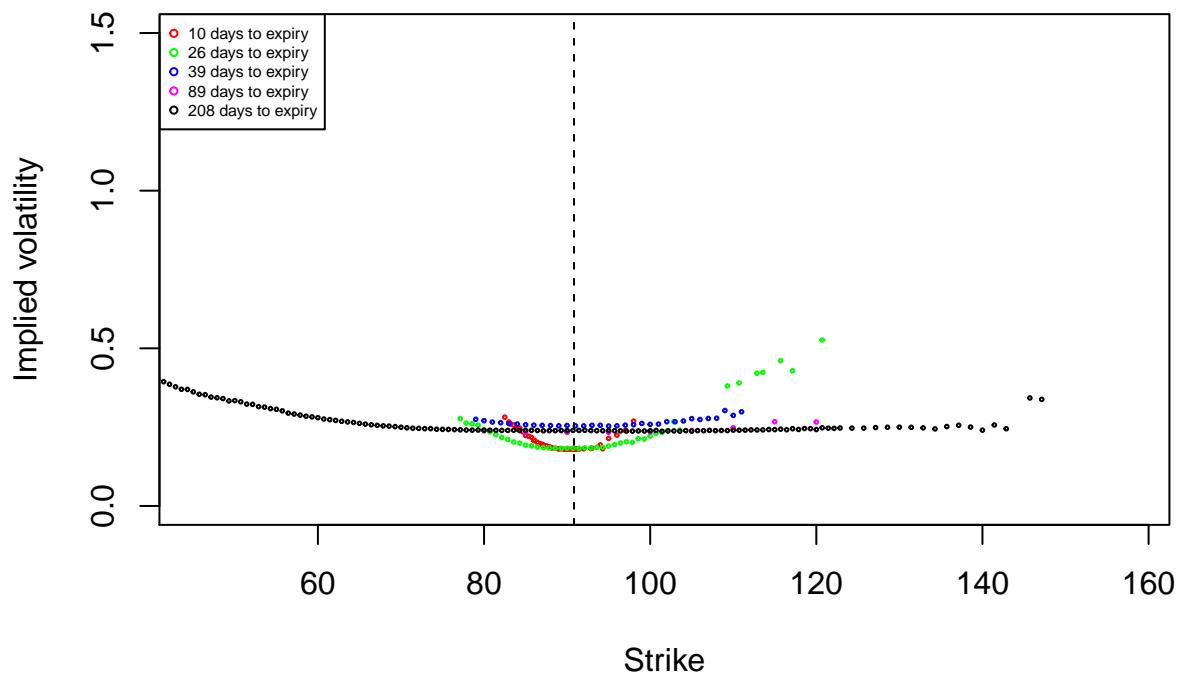
### Apple puts: 2014-06-19 (Price = 91.86)



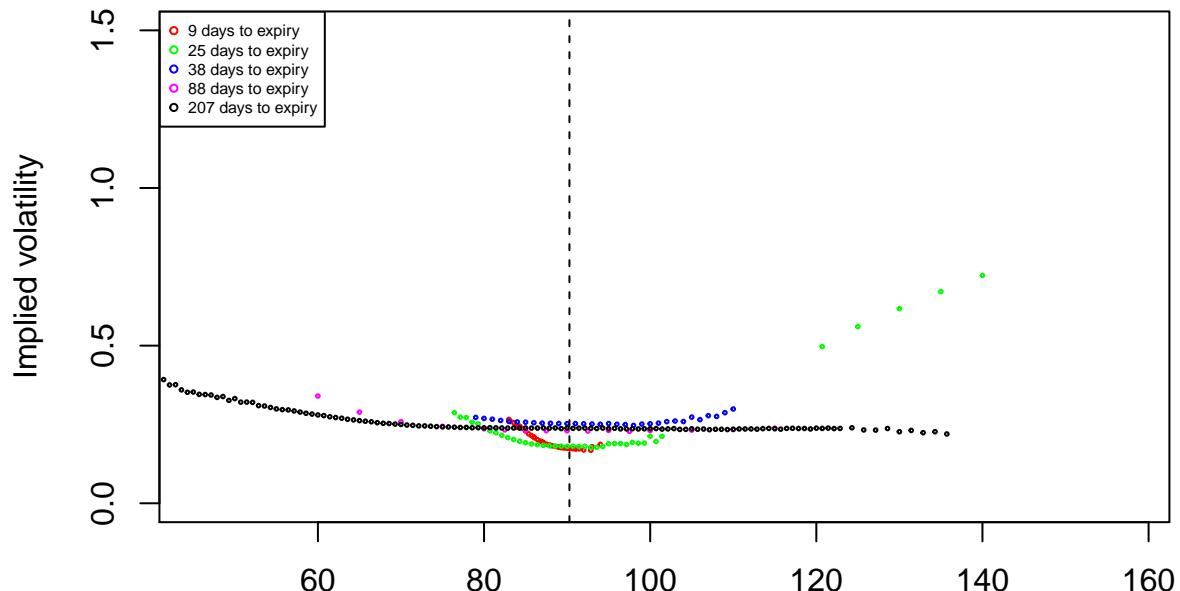
### Apple puts: 2014-06-20 (Price = 90.91)



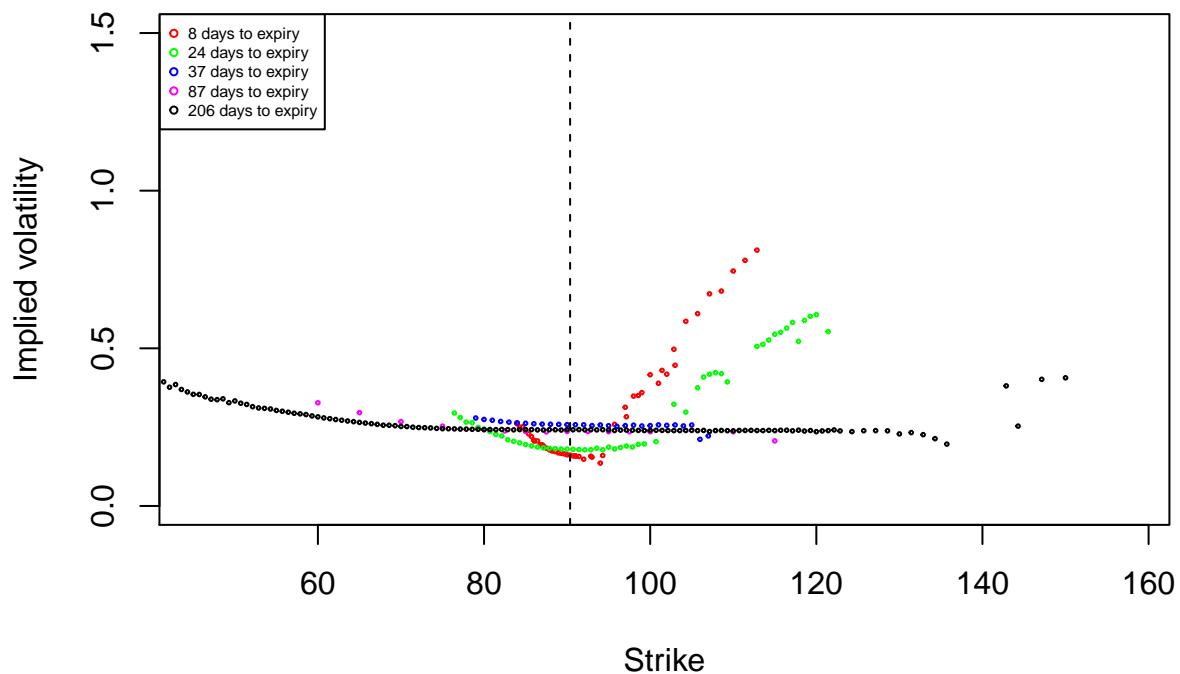
### Apple puts: 2014-06-23 (Price = 90.83)



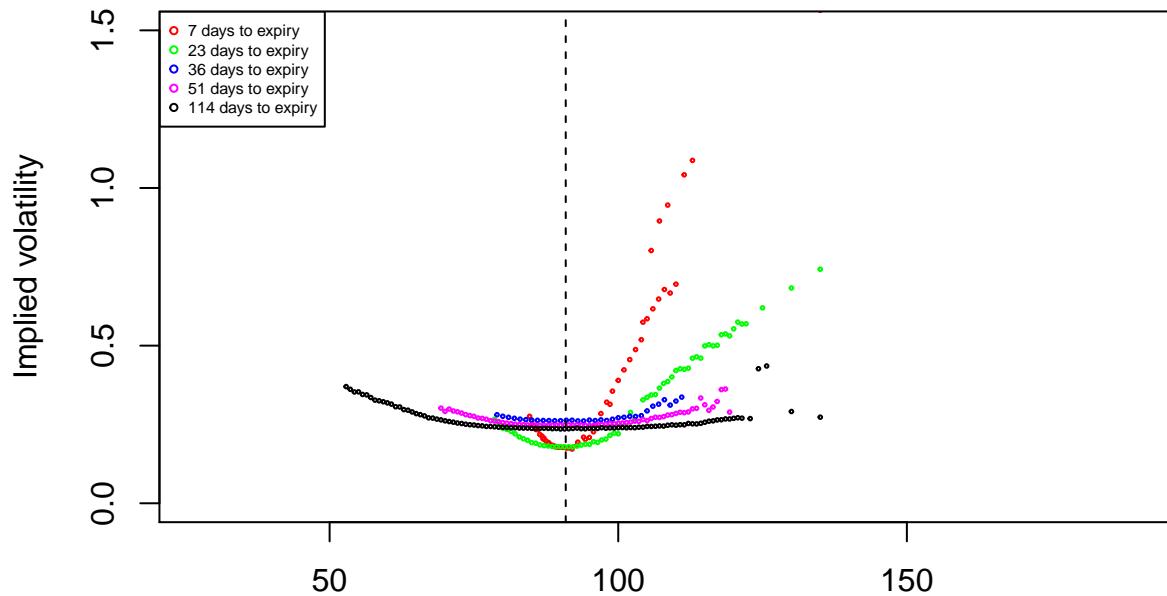
### Apple puts: 2014-06-24 (Price = 90.28)



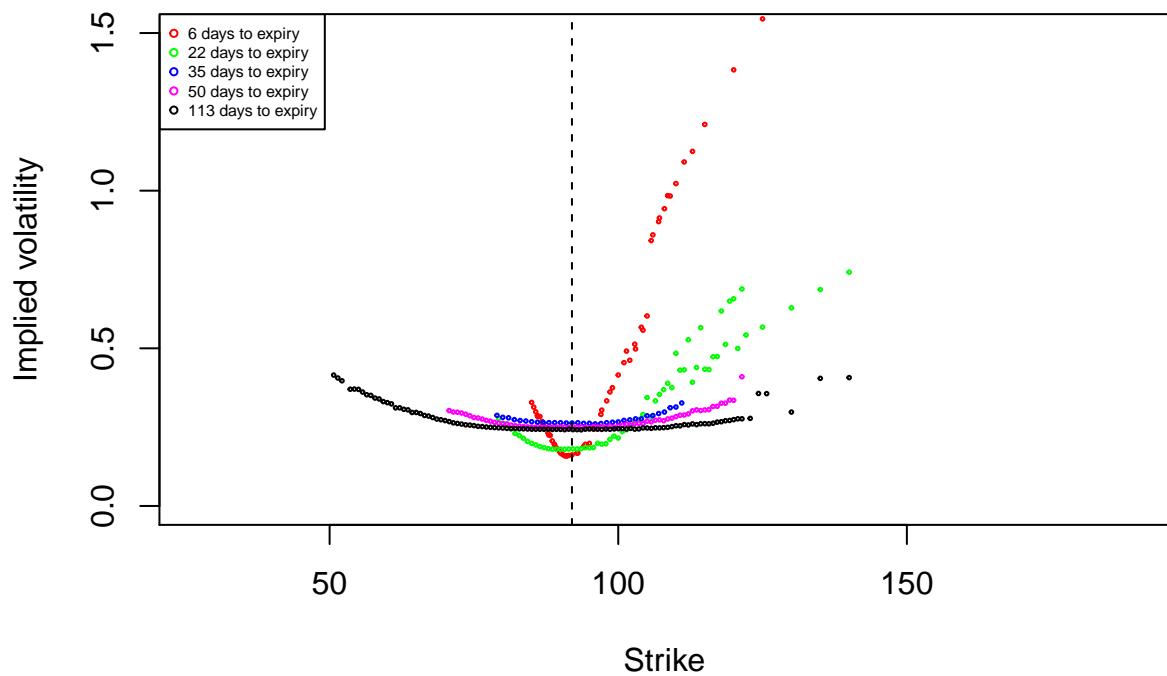
### Apple puts: 2014-06-25 (Price = 90.36)



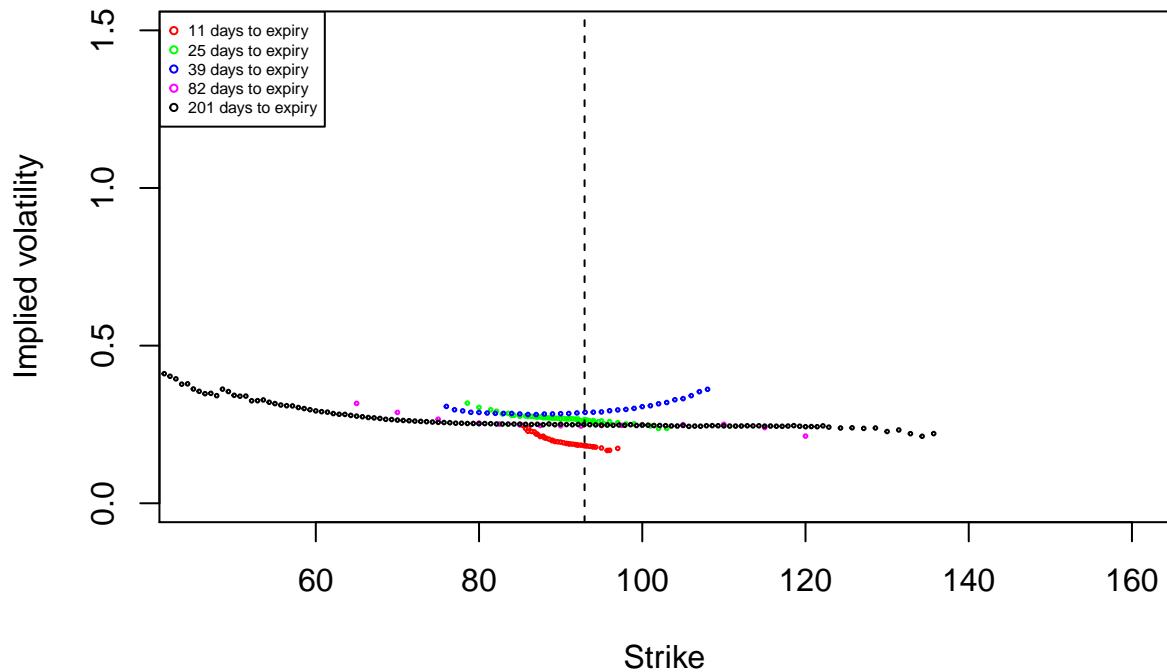
### Apple puts: 2014-06-26 (Price = 90.9)



### Apple puts: 2014-06-27 (Price = 91.98)

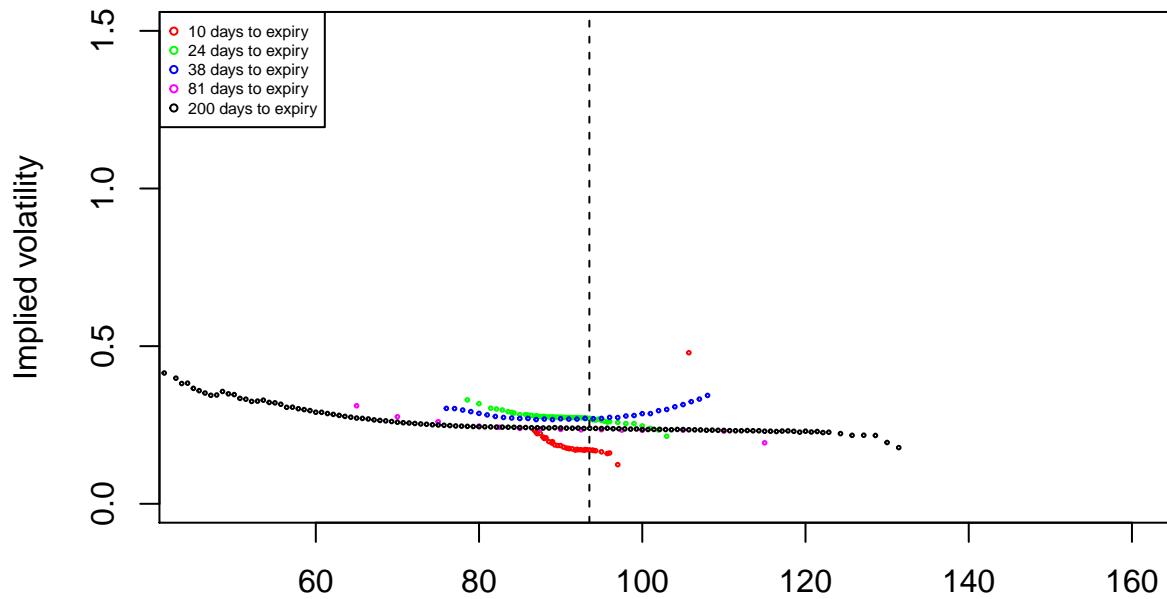


### Apple puts: 2014-06-30 (Price = 92.93)

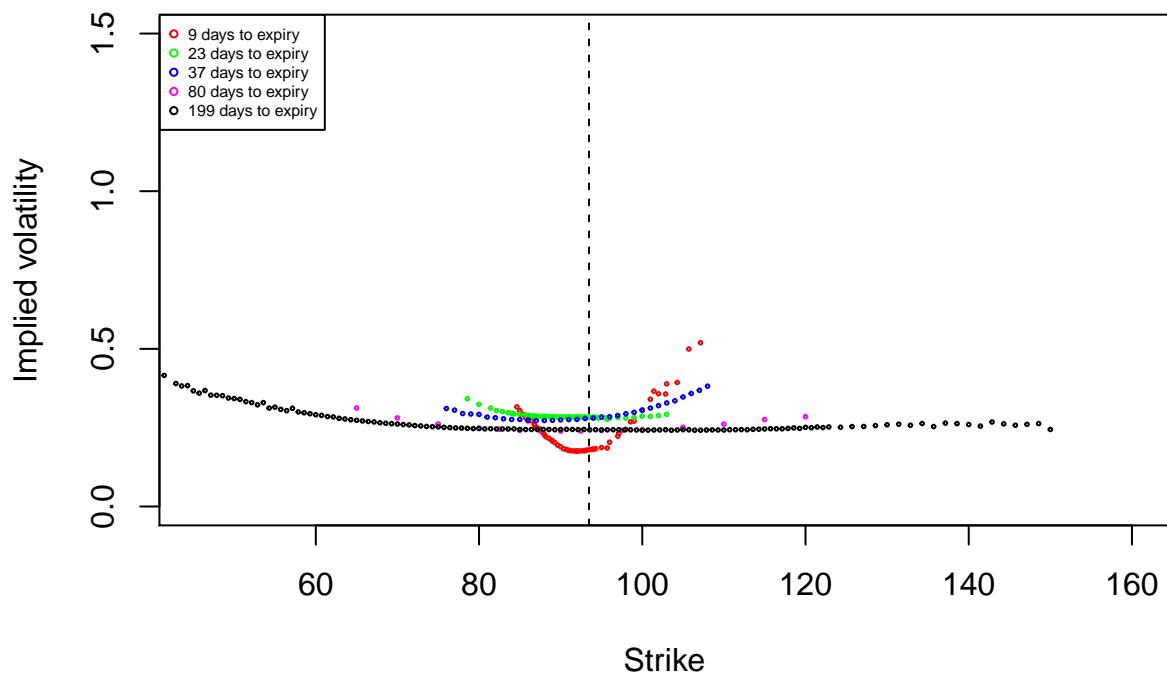


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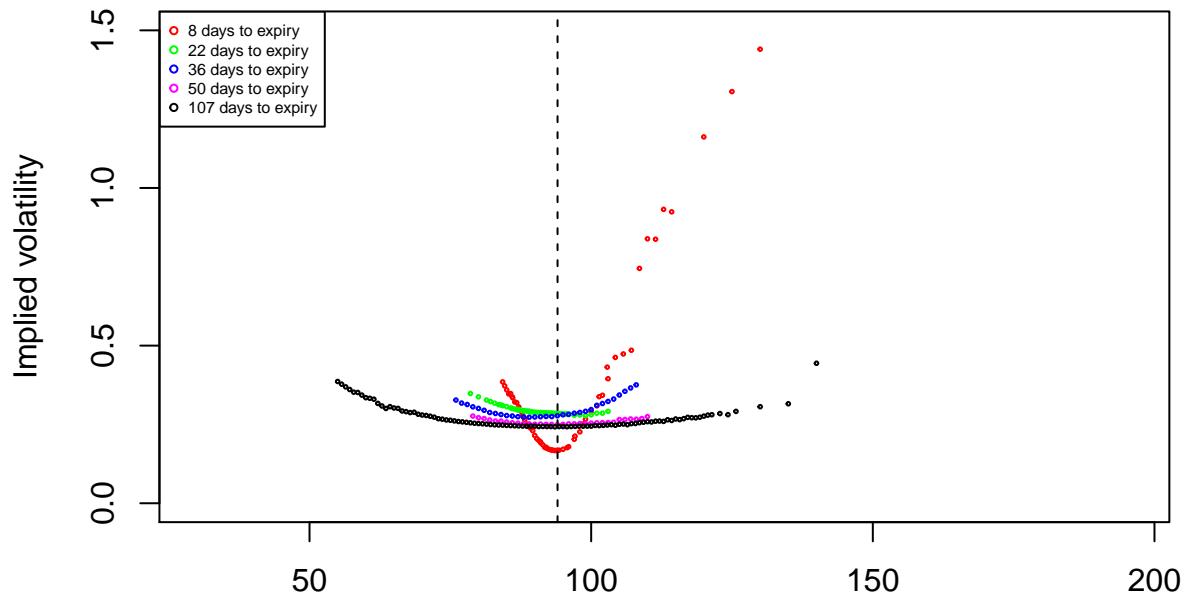
**Apple puts: 2014–07–01 (Price = 93.52)**



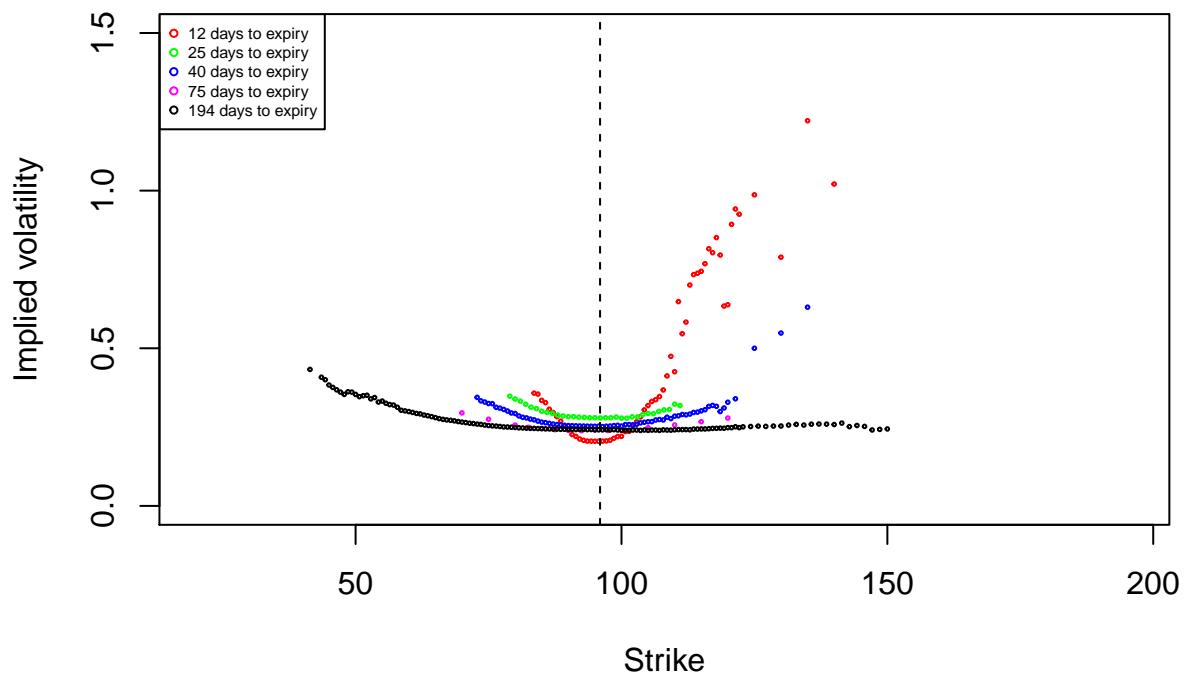
**Apple puts: 2014–07–02 (Price = 93.48)**



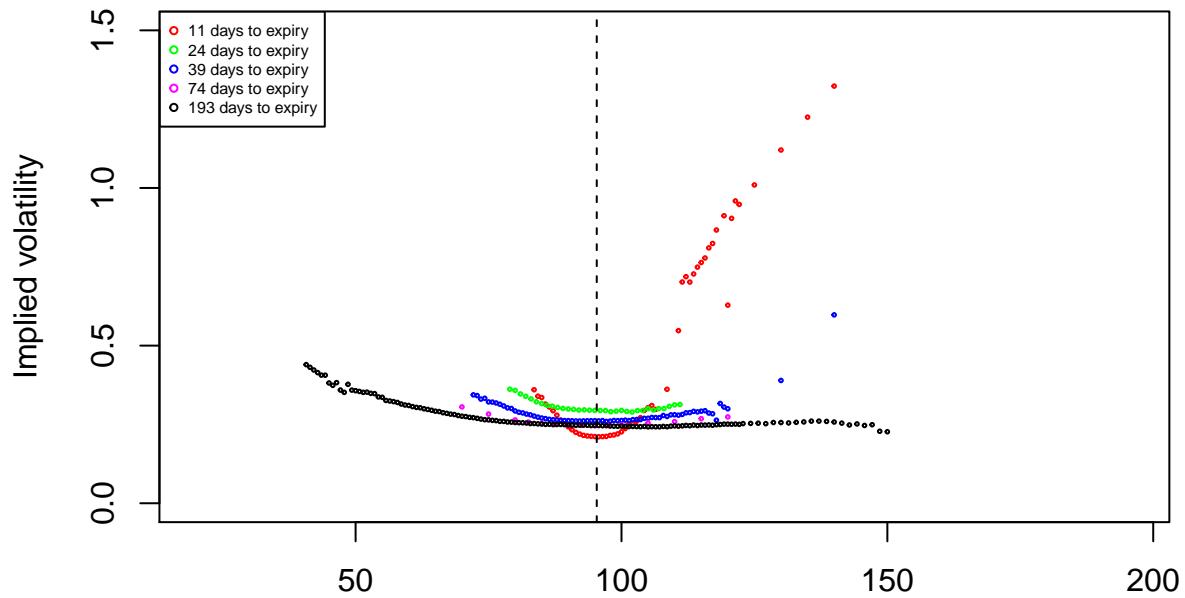
### Apple puts: 2014-07-03 (Price = 94.03)



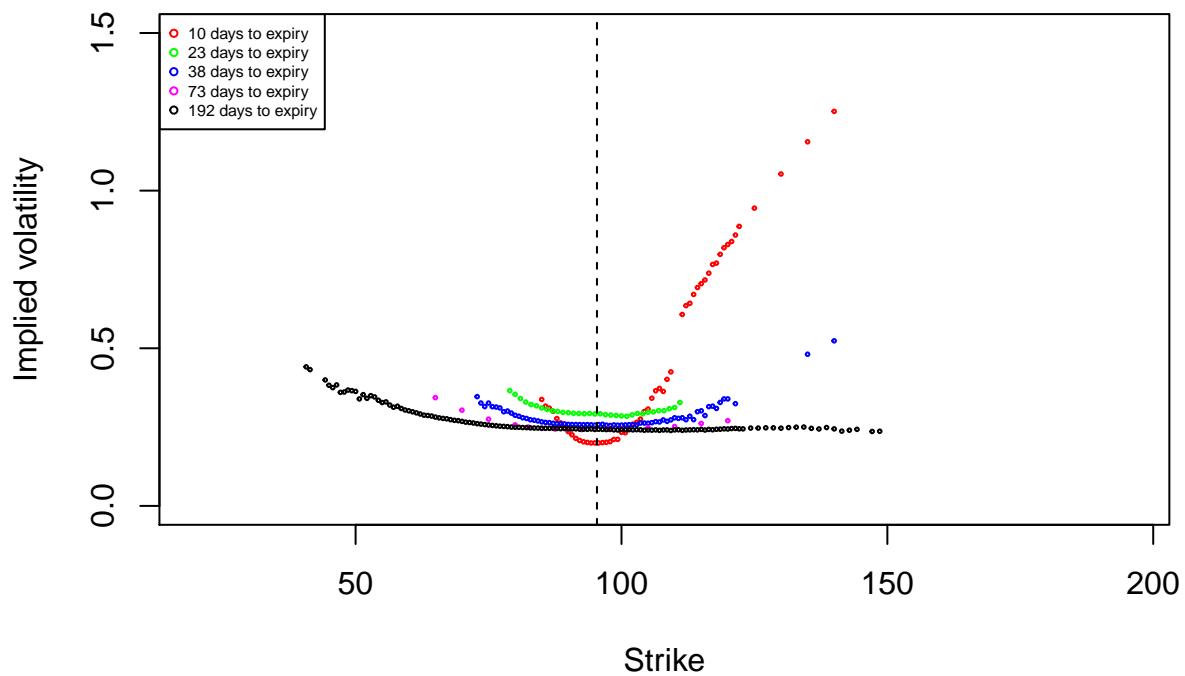
### Strike Apple puts: 2014-07-07 (Price = 95.968)



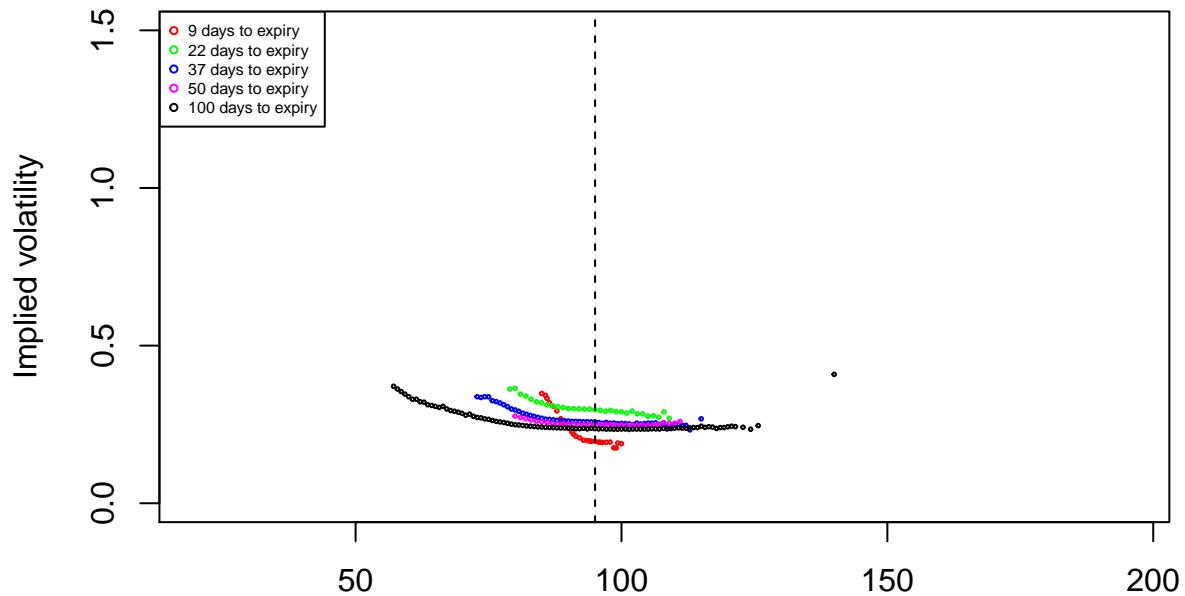
**Apple puts: 2014–07–08 (Price = 95.35)**



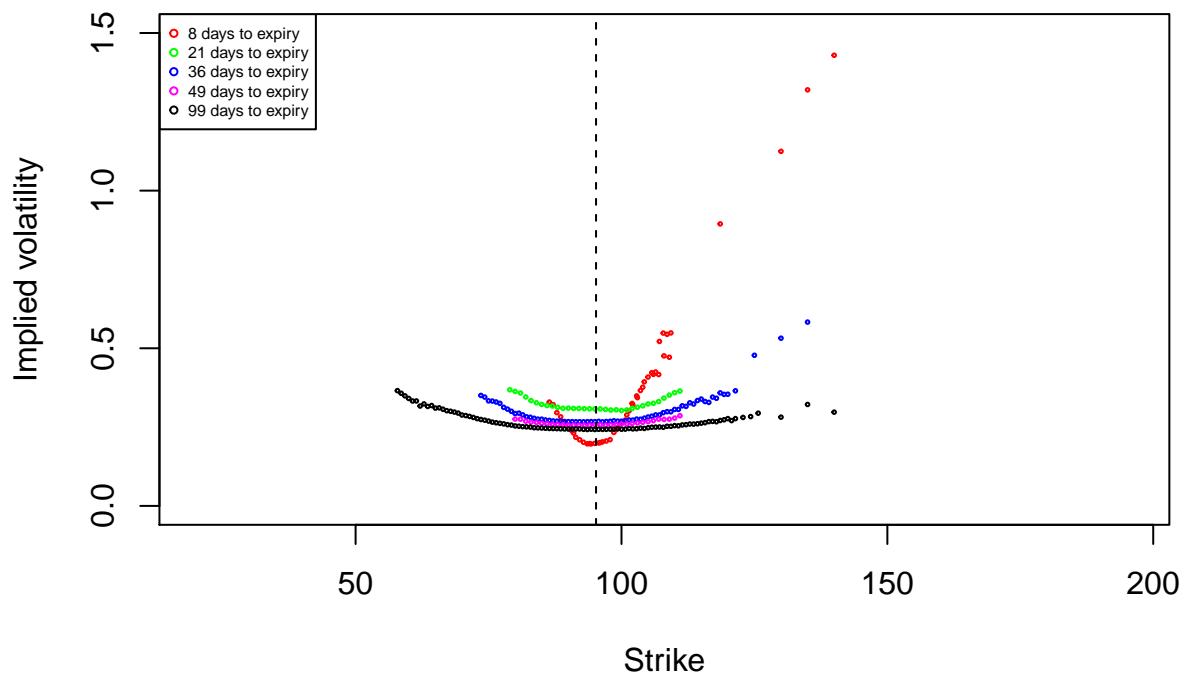
**Apple puts: 2014–07–09 (Price = 95.39)**



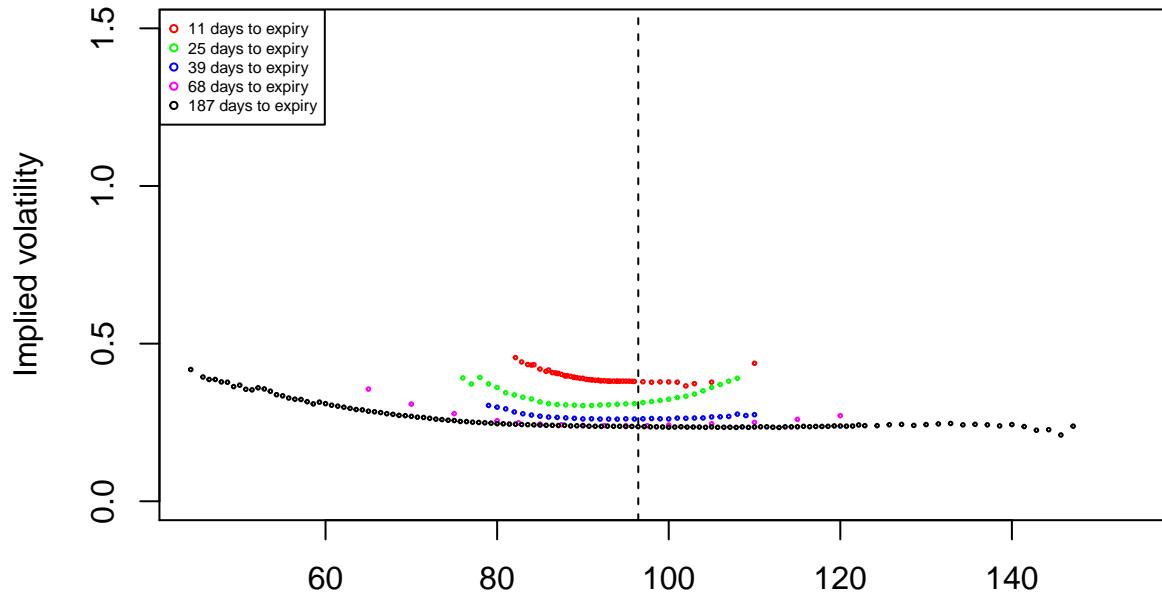
**Apple puts: 2014-07-10 (Price = 95.035)**



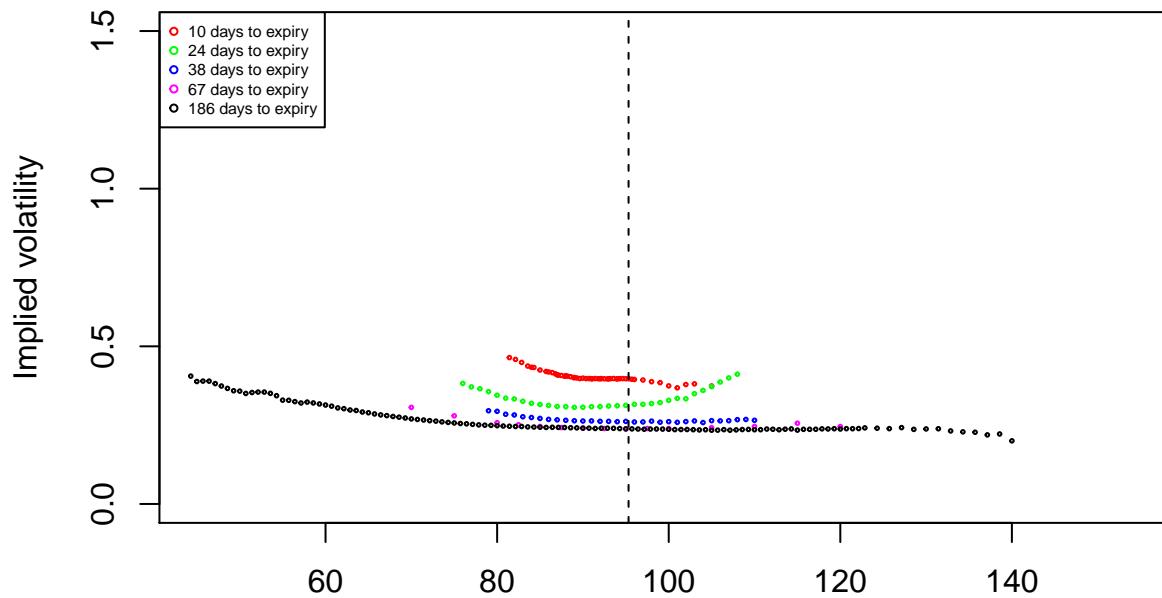
**Apple puts: 2014-07-11 (Price = 95.22)**



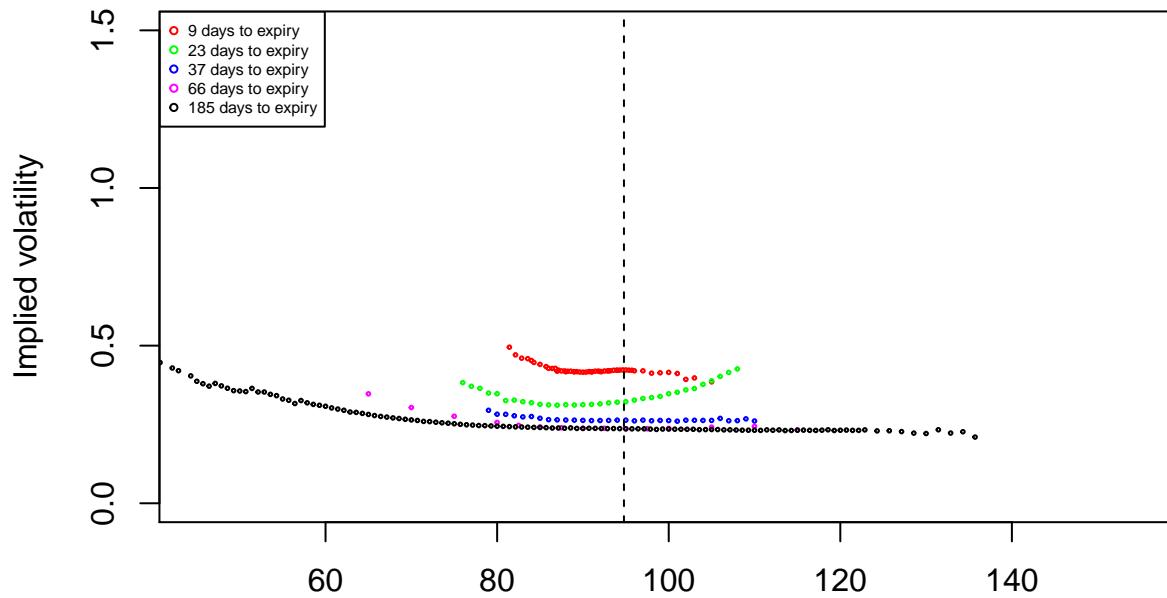
### Apple puts: 2014-07-14 (Price = 96.45)



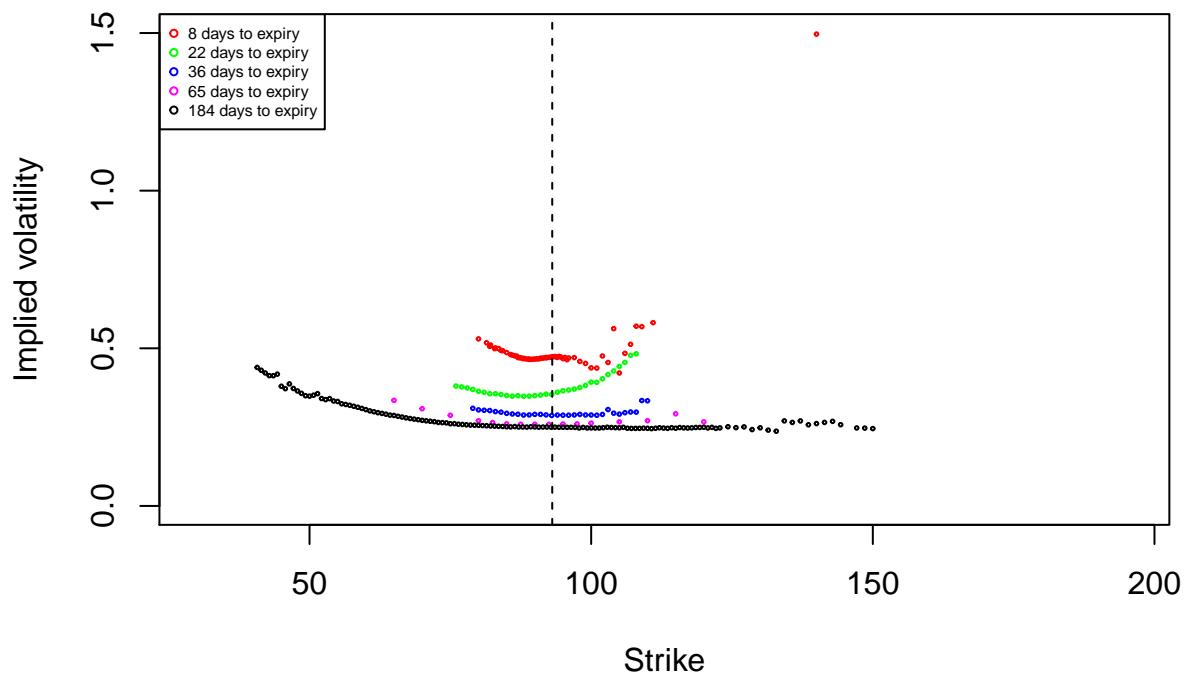
### Apple puts: 2014-07-15 (Price = 95.32)



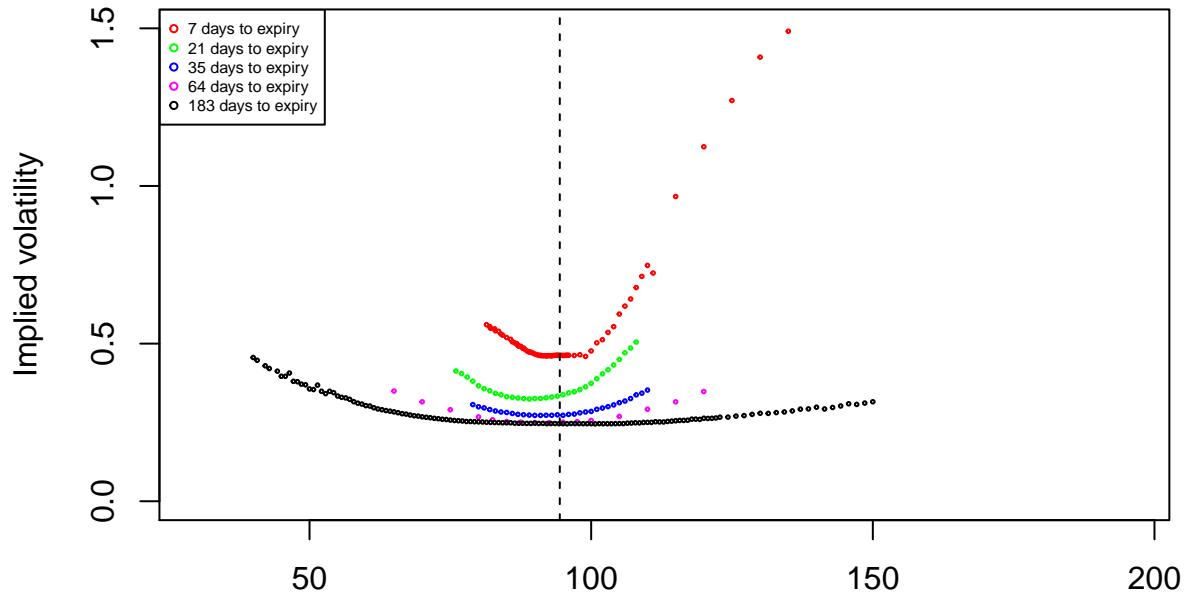
### Apple puts: 2014-07-16 (Price = 94.78)



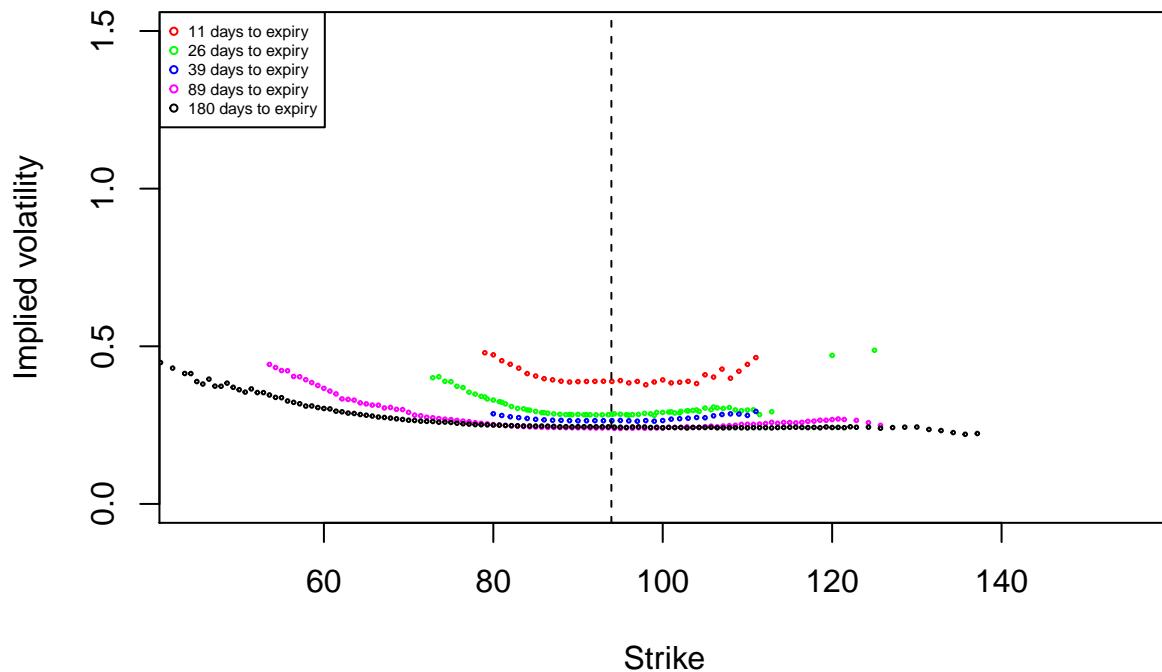
### Apple puts: 2014-07-17 (Price = 93.0899)



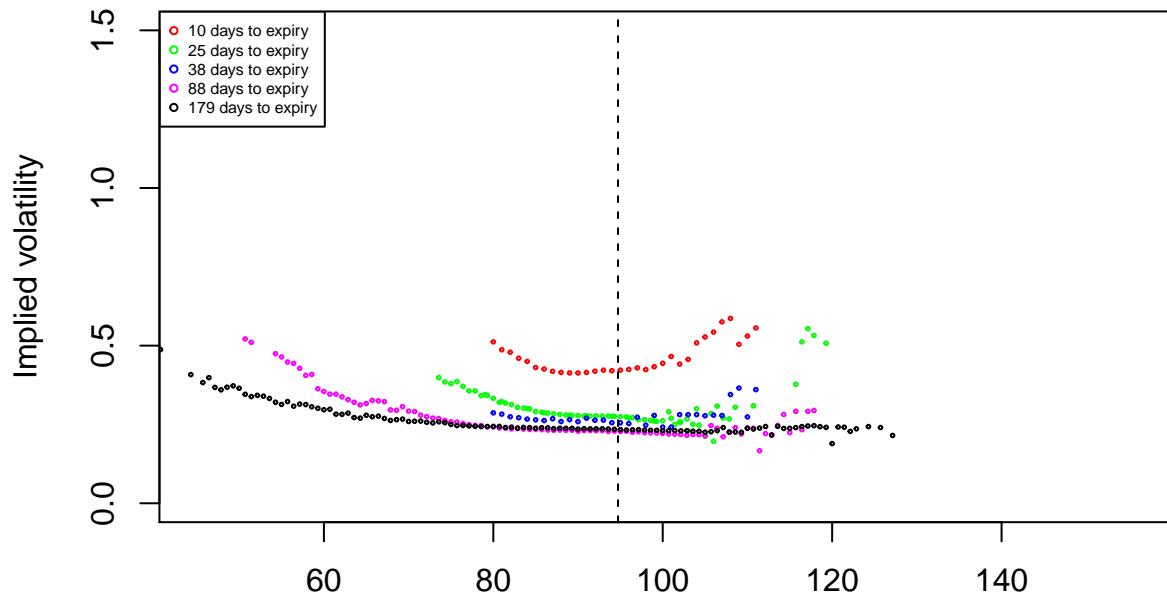
### Apple puts: 2014-07-18 (Price = 94.43)



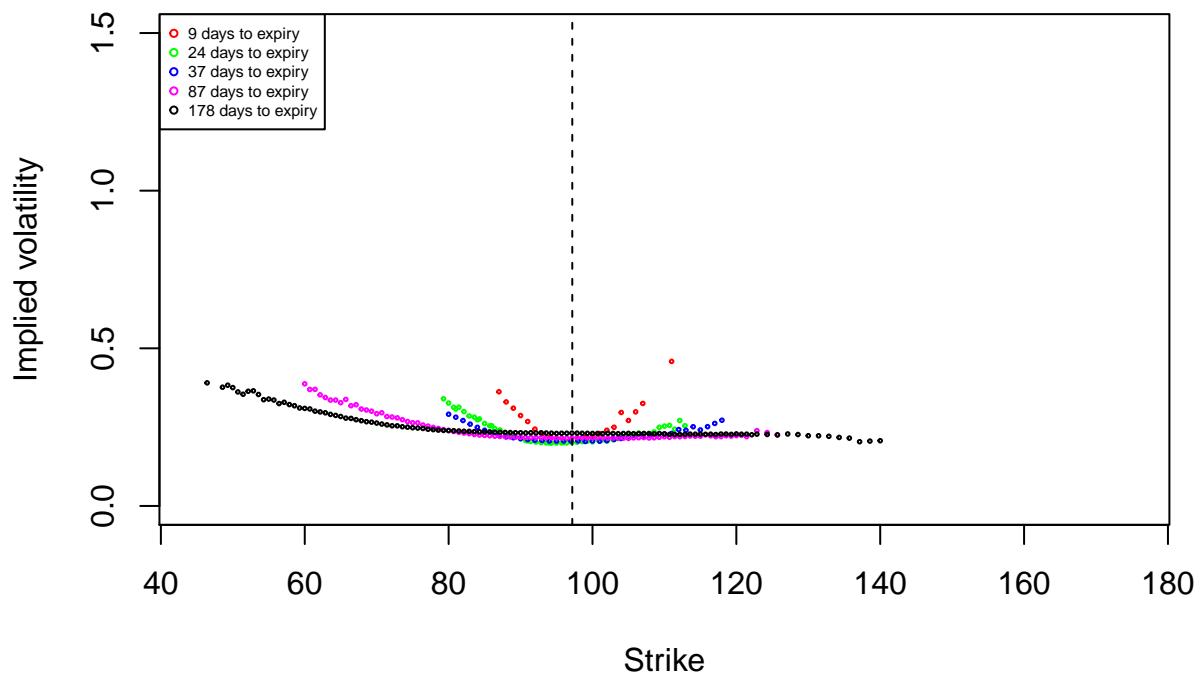
### Strike Apple puts: 2014-07-21 (Price = 93.939)



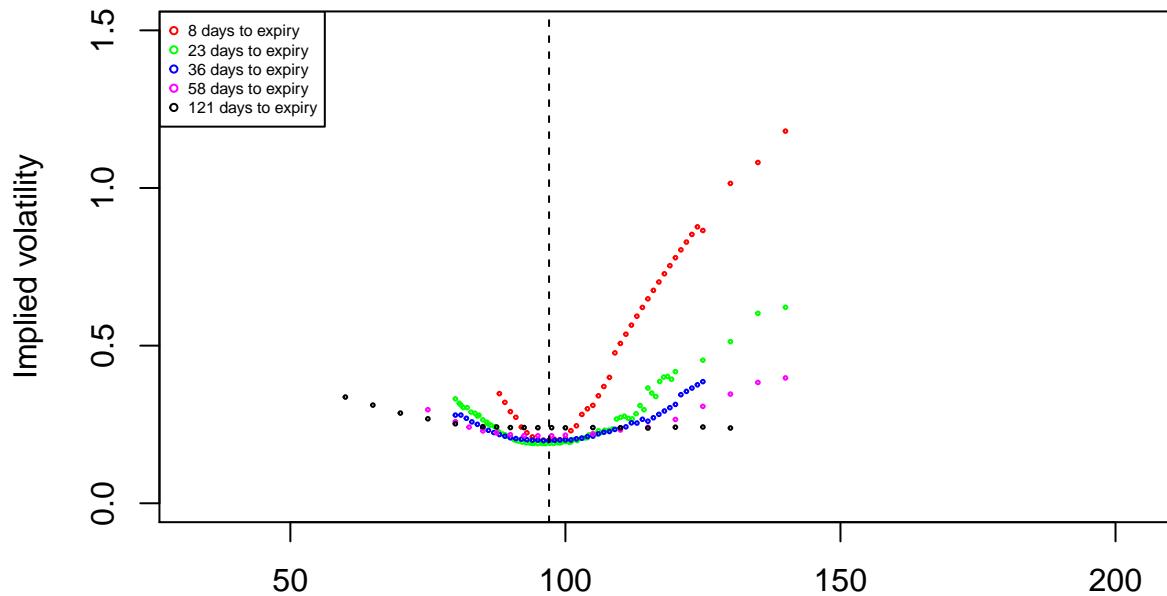
### Apple puts: 2014-07-22(Earnings Announcement) (Price = 94.72)



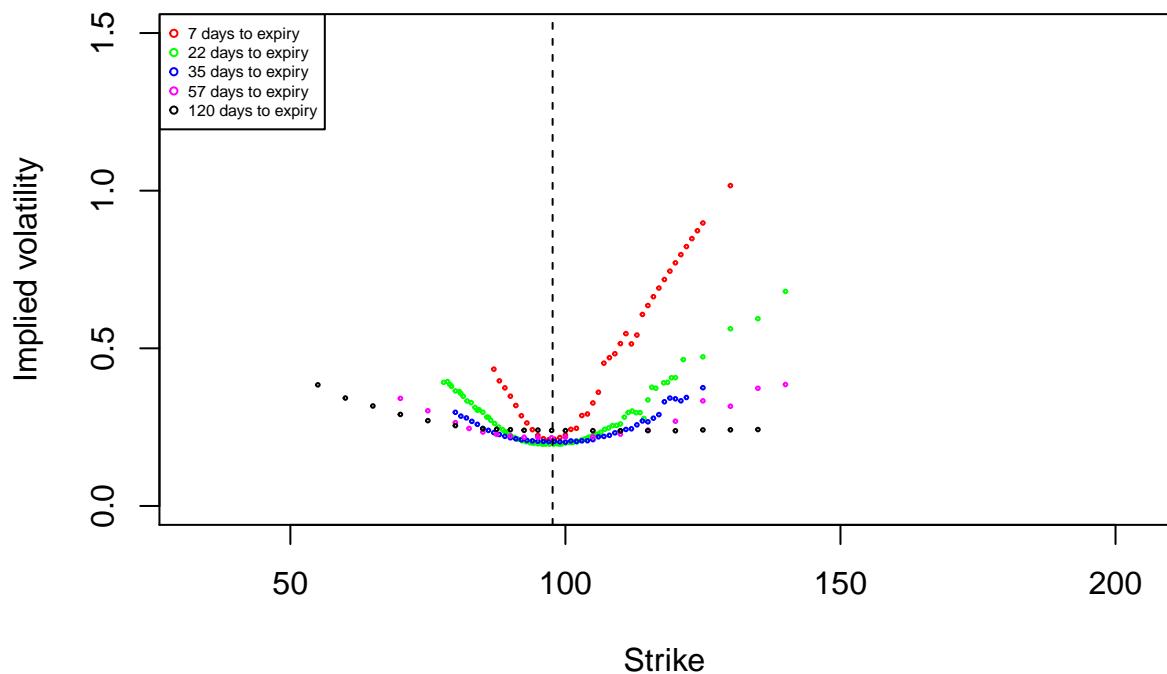
### Strike Apple puts: 2014-07-23 (Price = 97.19)



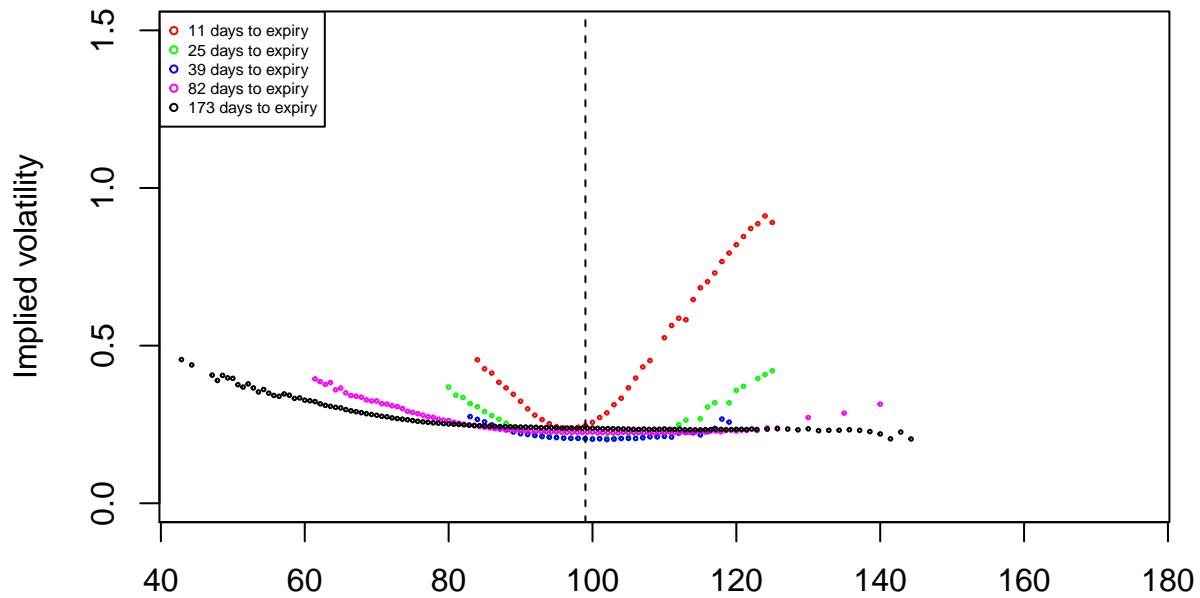
### Apple puts: 2014-07-24 (Price = 97.03)



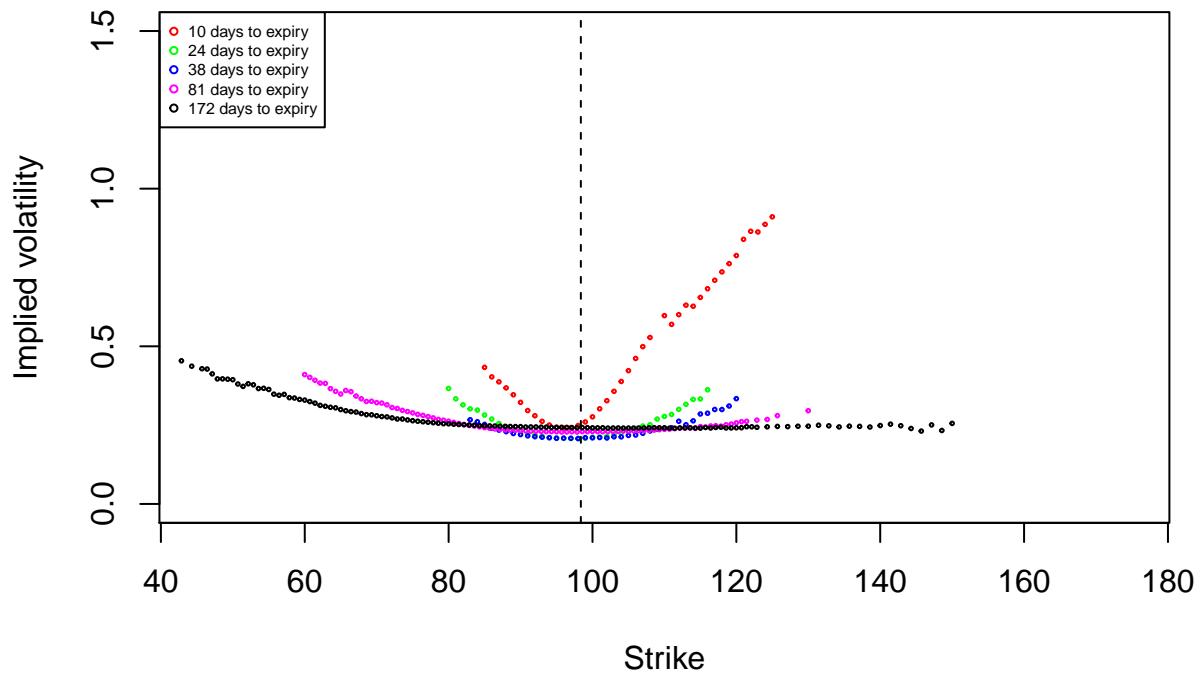
### Strike Apple puts: 2014-07-25 (Price = 97.671)



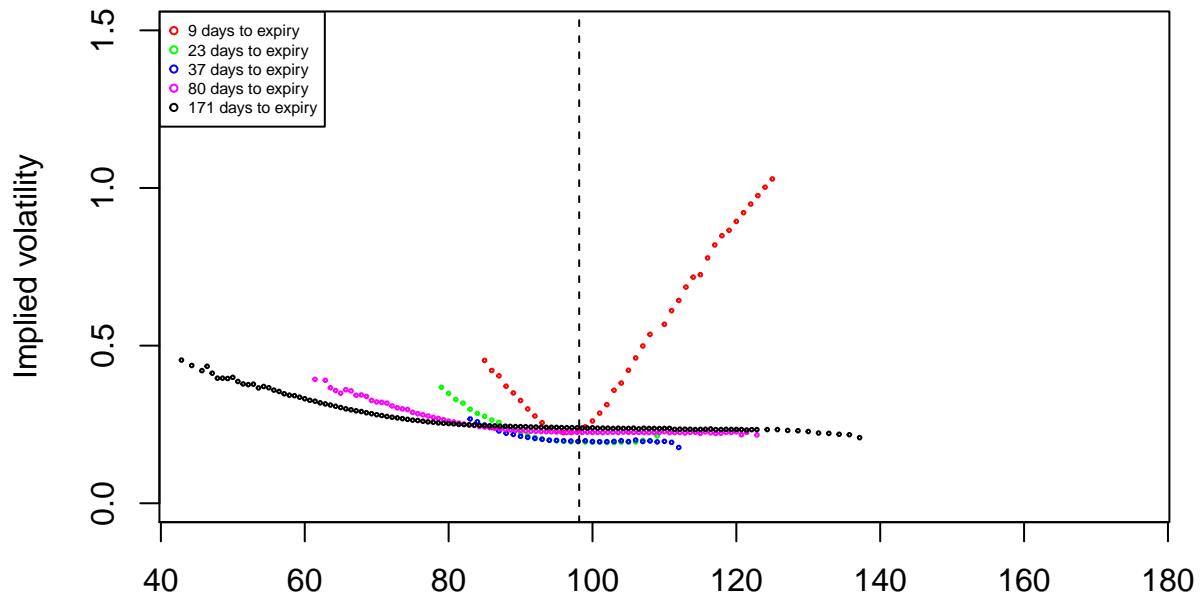
### Apple puts: 2014–07–28 (Price = 99.02)



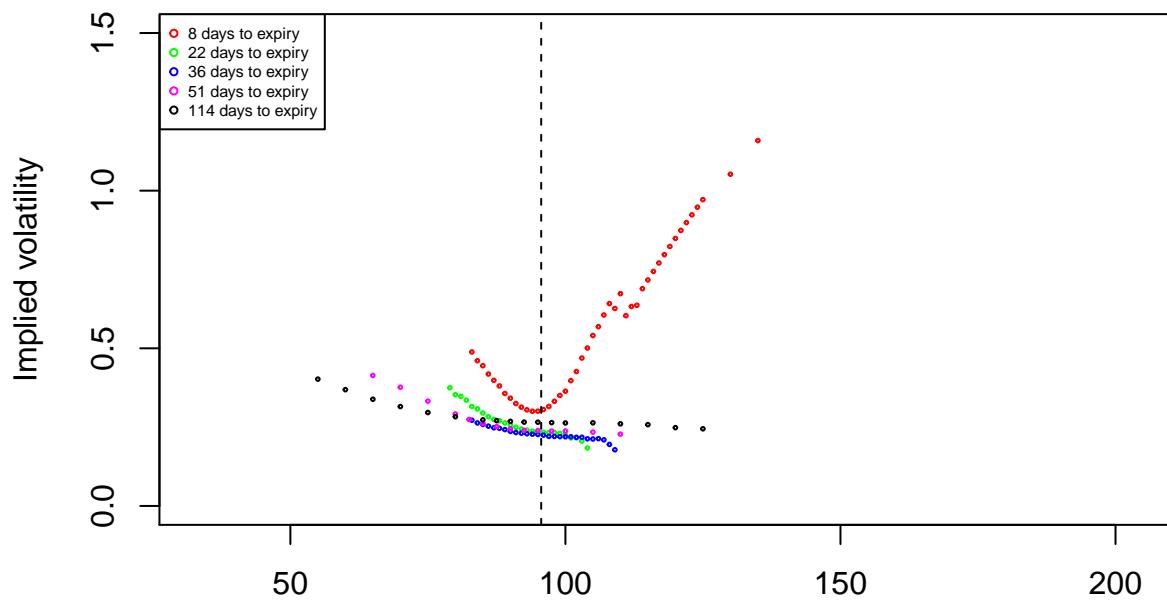
### Apple puts: 2014–07–29 (Price = 98.38)



### Apple puts: 2014-07-30 (Price = 98.15)

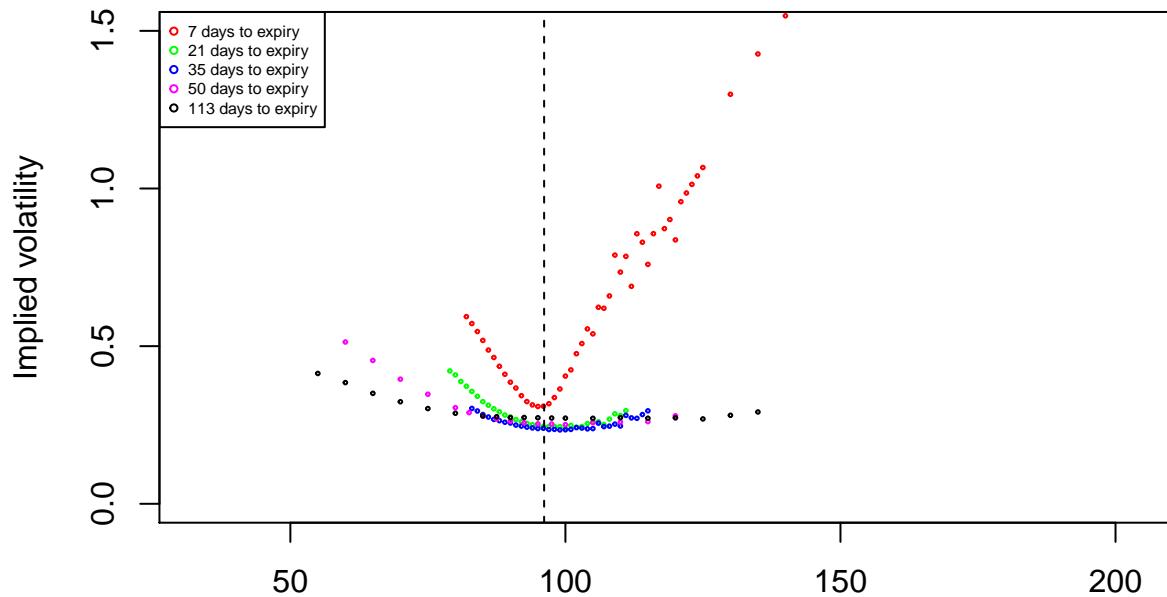


### Apple puts: 2014-07-31 (Price = 95.6)

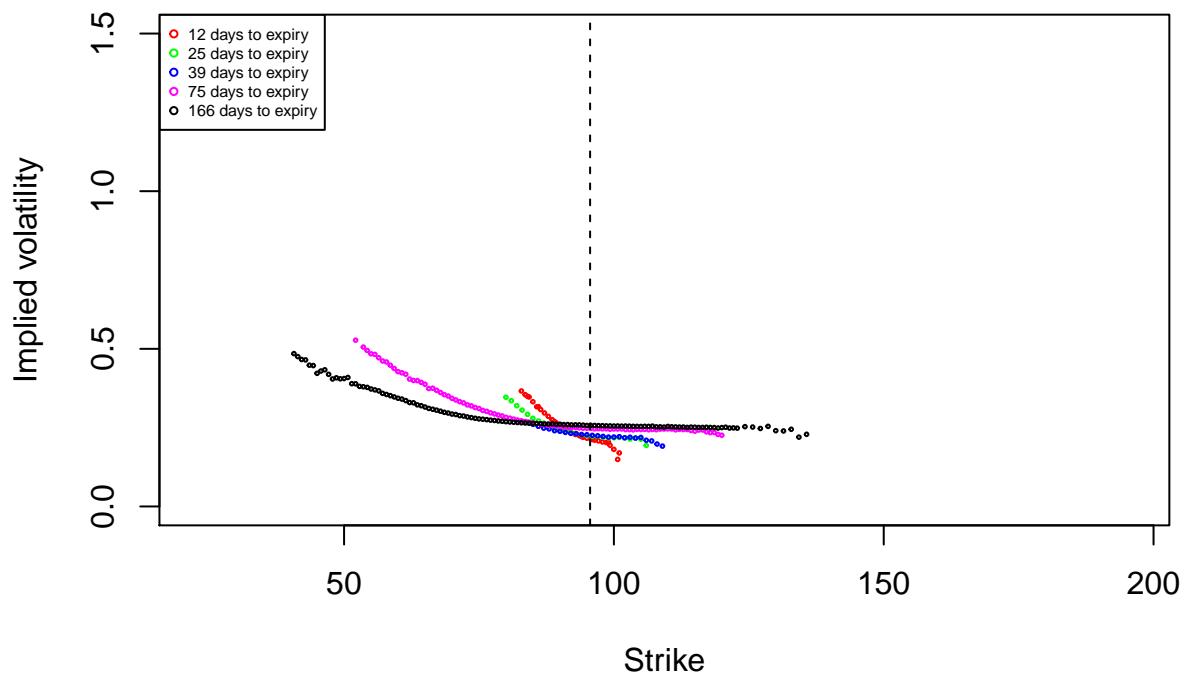


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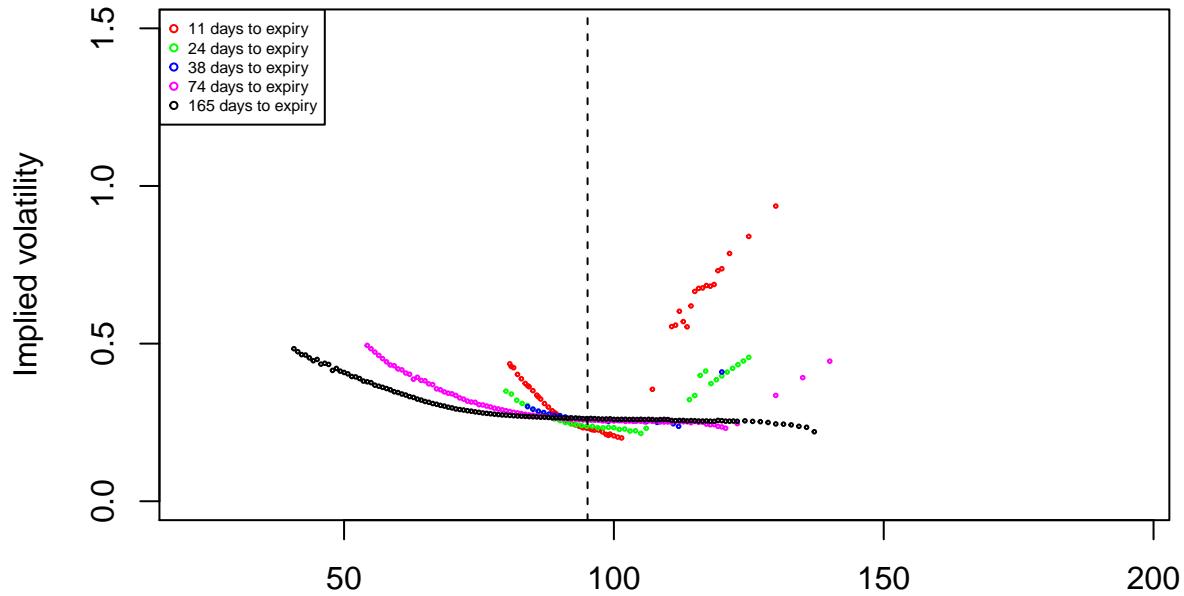
**Apple puts: 2014–08–01 (Price = 96.13)**



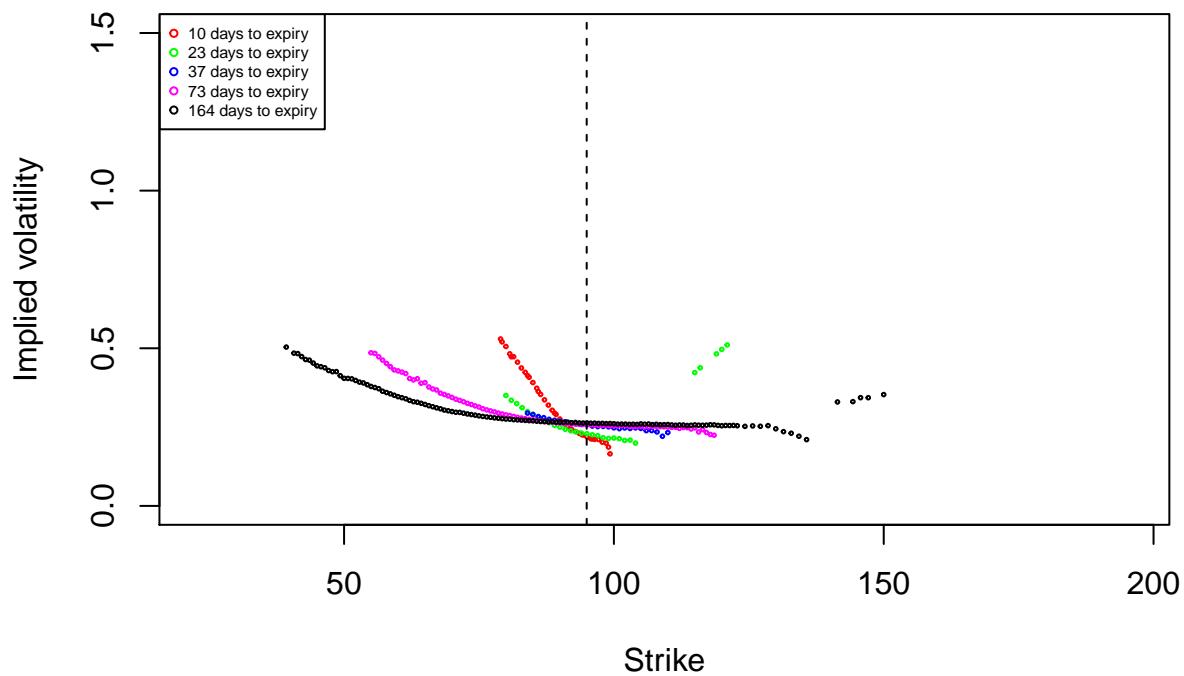
**Strike  
Apple puts: 2014–08–04 (Price = 95.59)**



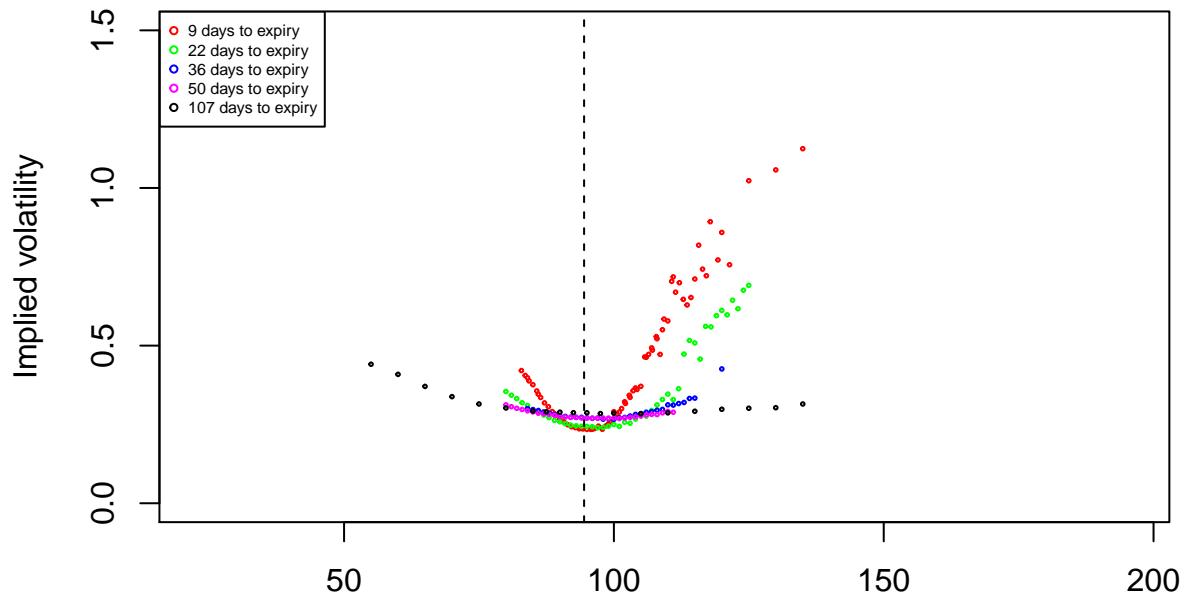
### Apple puts: 2014-08-05 (Price = 95.12)



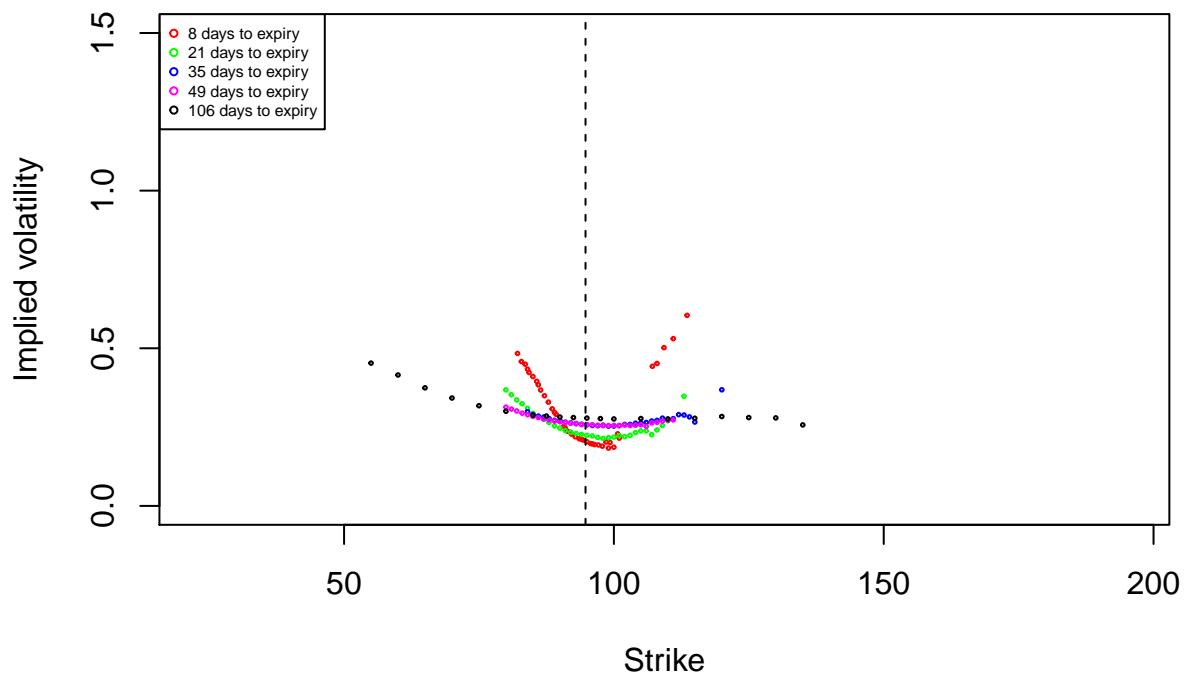
### Apple puts: 2014-08-06 (Price = 94.96)



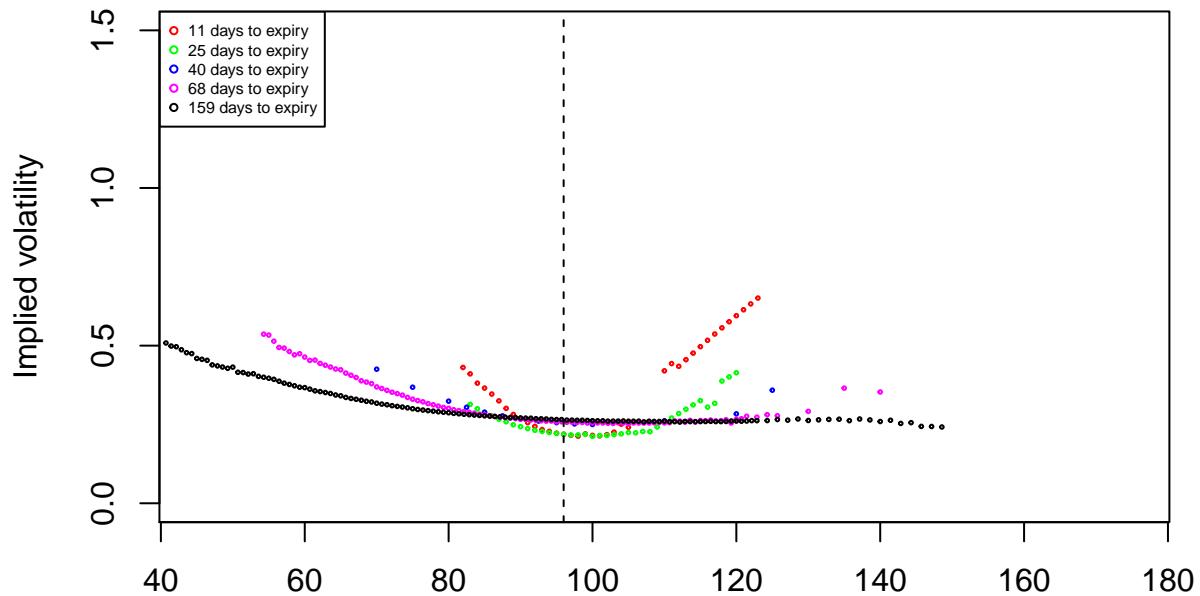
### Apple puts: 2014-08-07 (Price = 94.48)



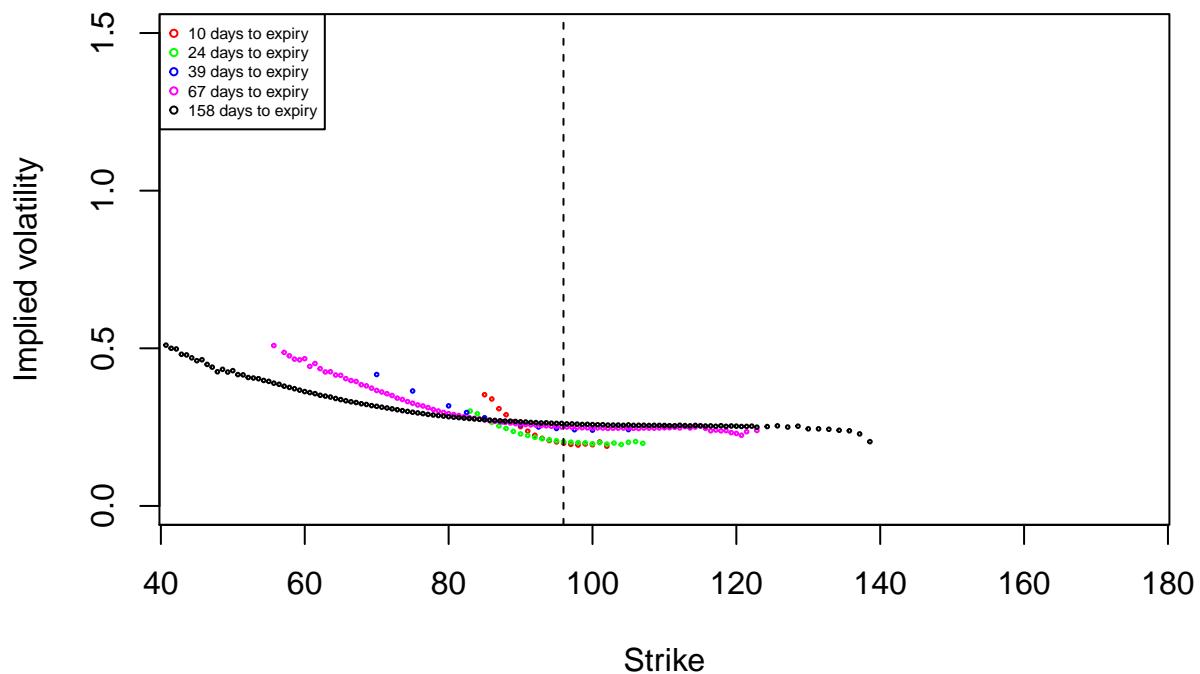
### Apple puts: 2014-08-08 (Price = 94.74)



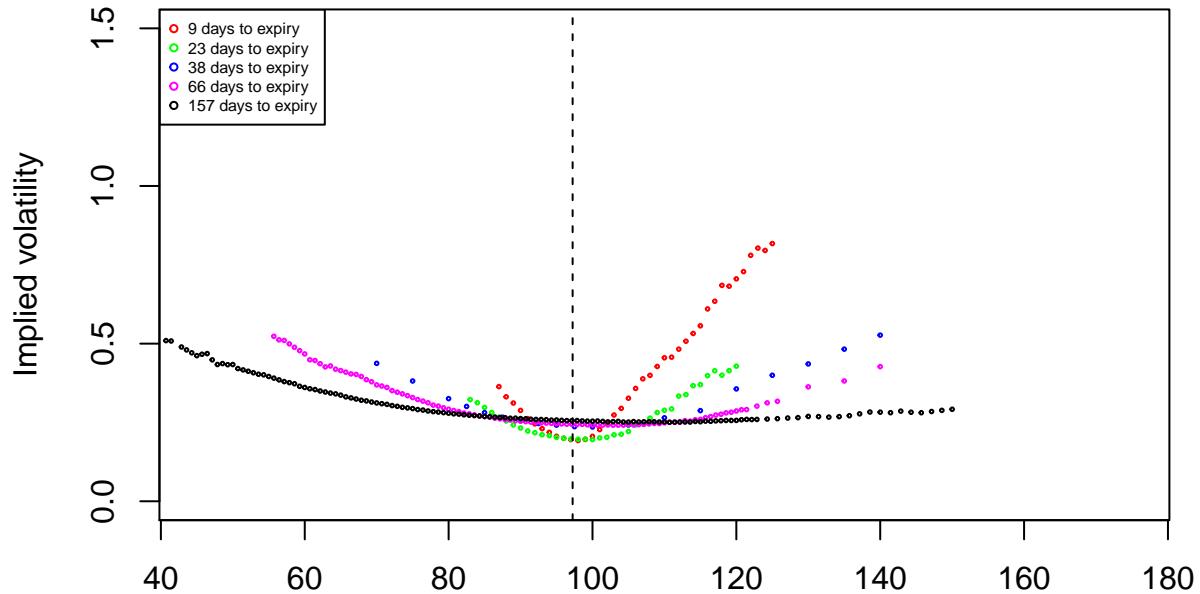
### Apple puts: 2014-08-11 (Price = 95.99)



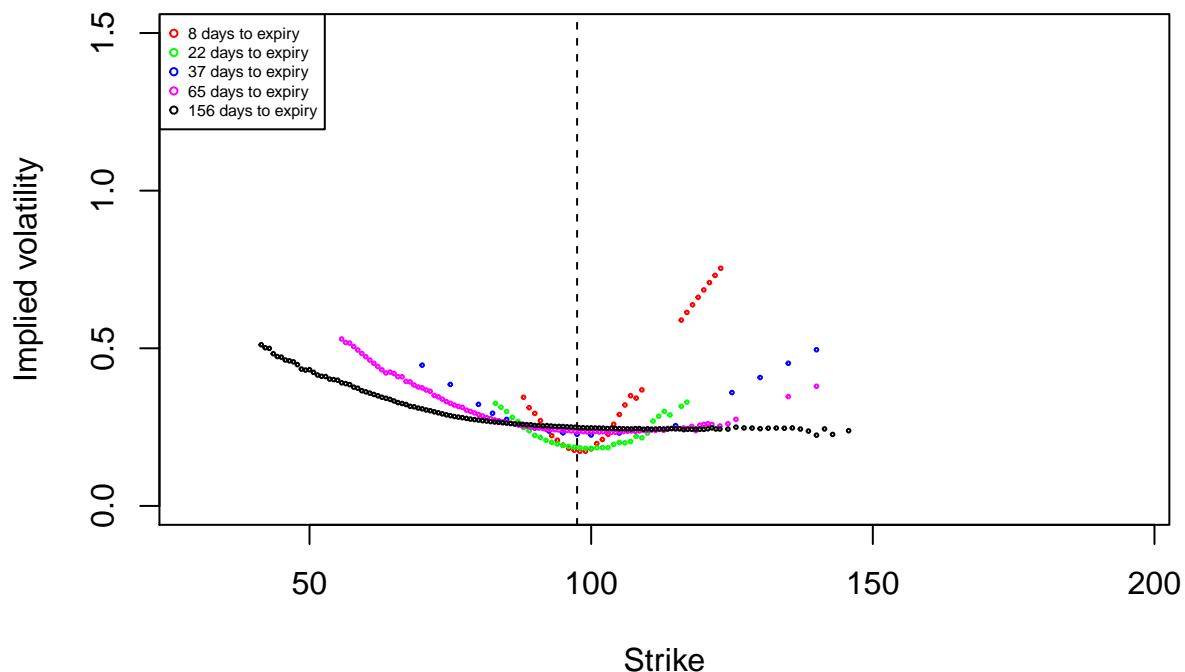
### Apple puts: 2014-08-12 (Price = 95.97)



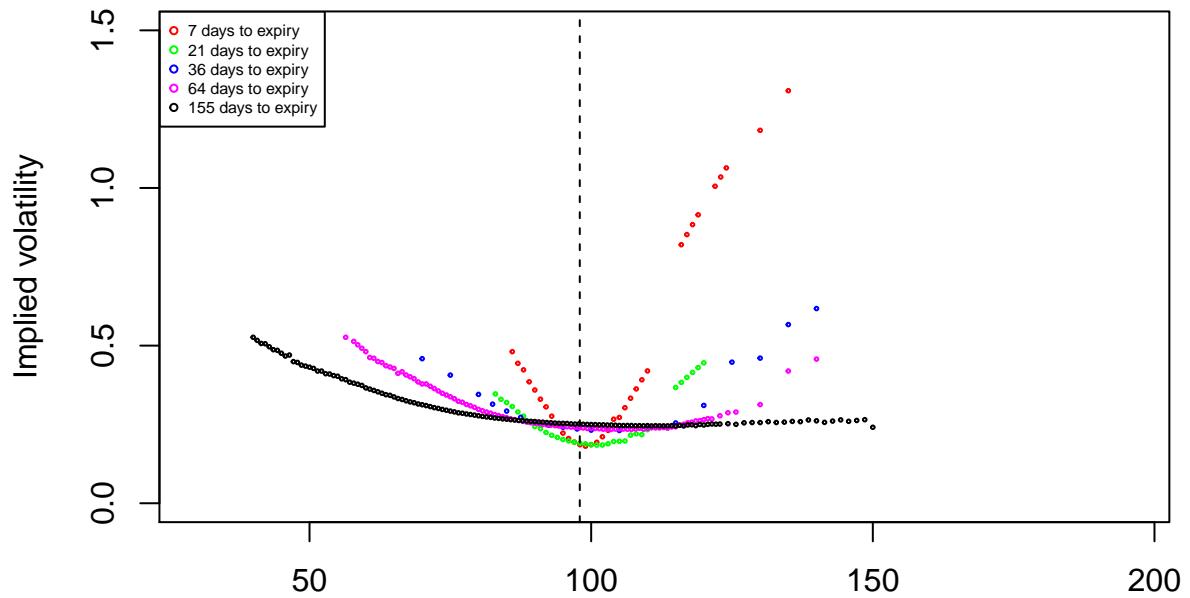
**Apple puts: 2014–08–13 (Price = 97.24)**



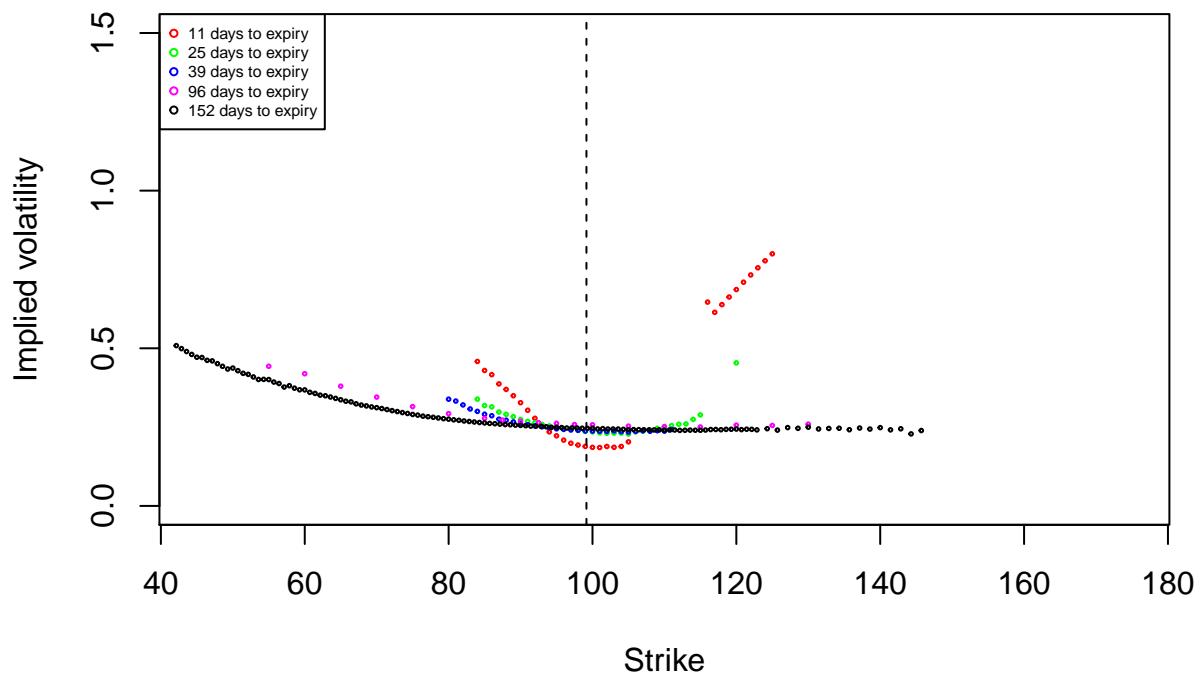
**Apple puts: 2014–08–14 (Price = 97.5)**



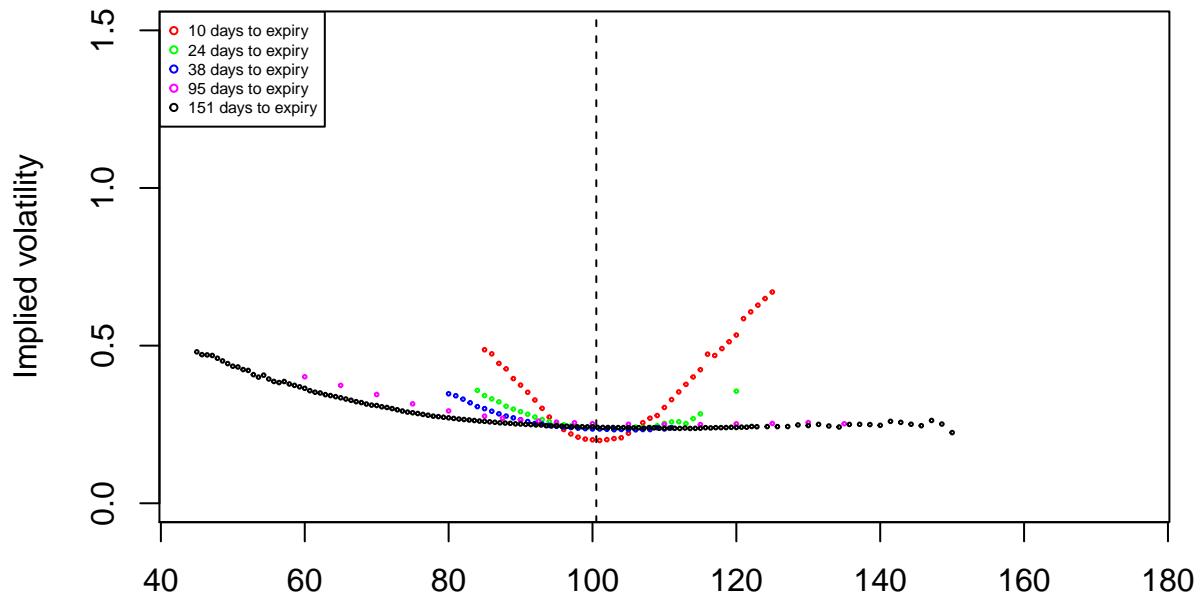
**Apple puts: 2014–08–15 (Price = 97.98)**



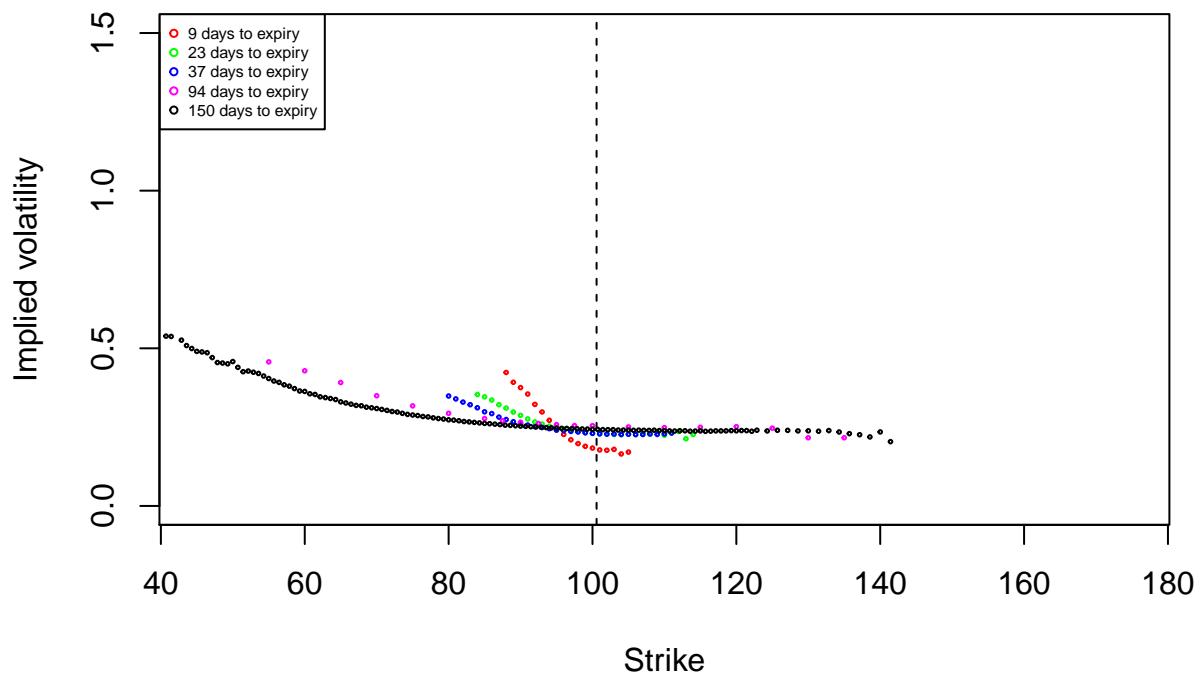
**Apple puts: 2014–08–18 (Price = 99.16)**



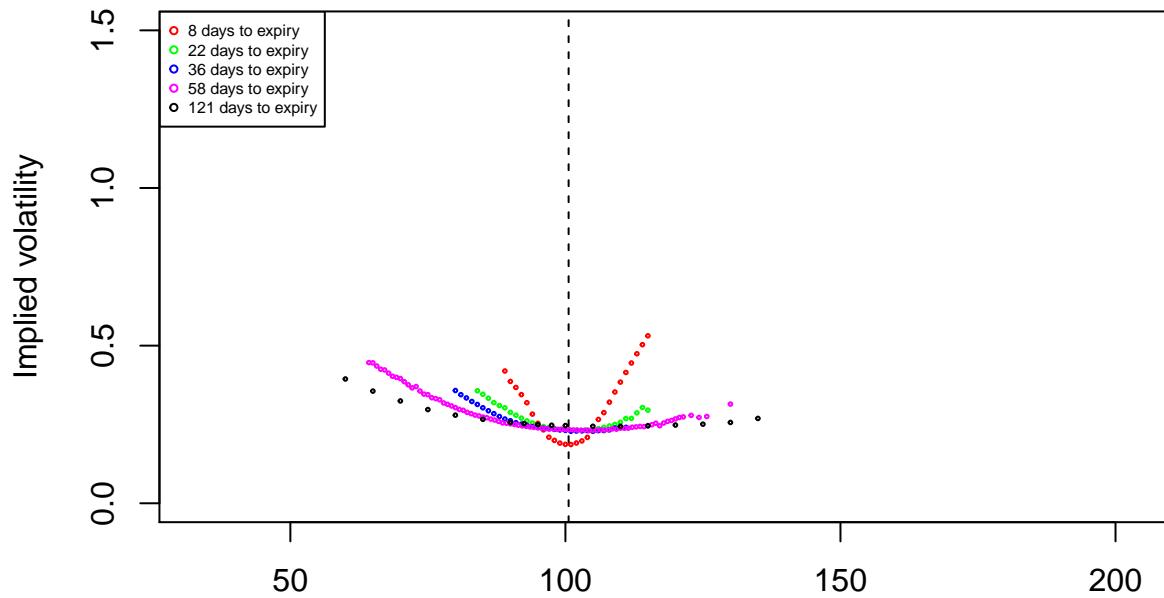
### Apple puts: 2014-08-19 (Price = 100.53)



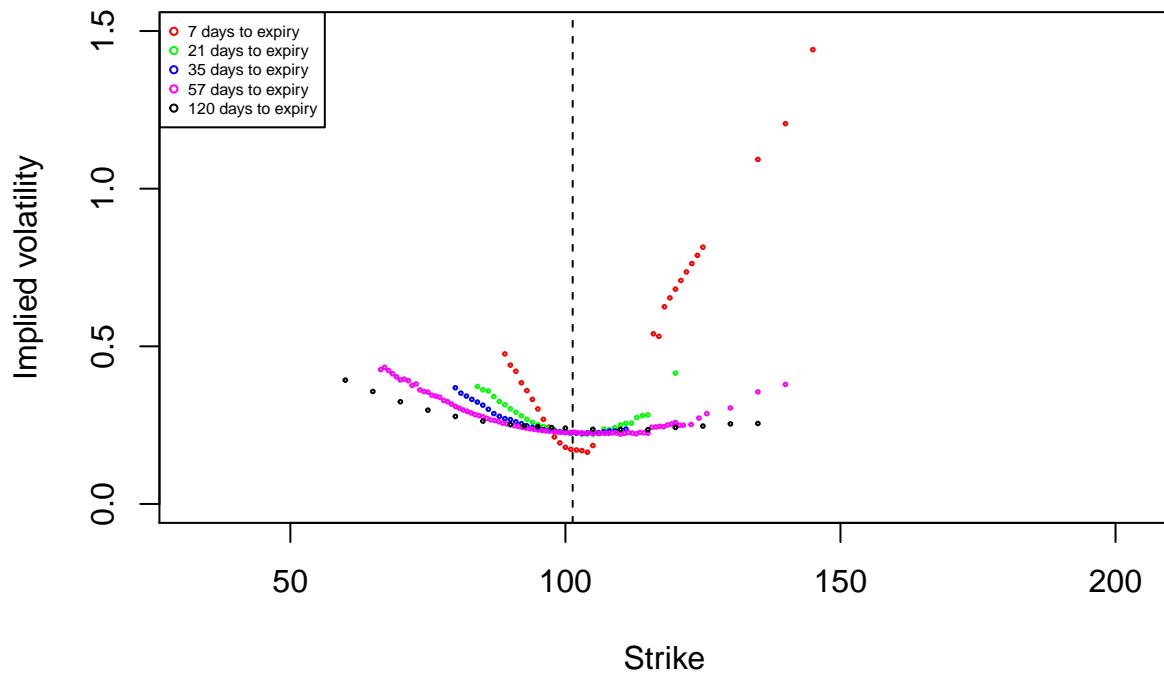
### Apple puts: 2014-08-20 (Price = 100.57)



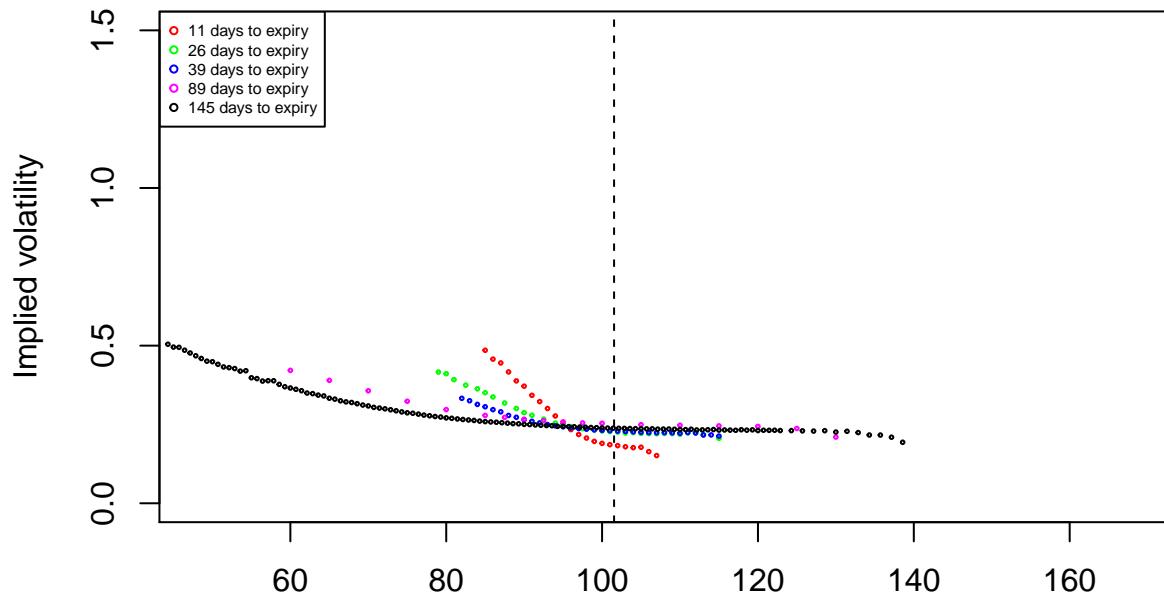
### Apple puts: 2014-08-21 (Price = 100.58)



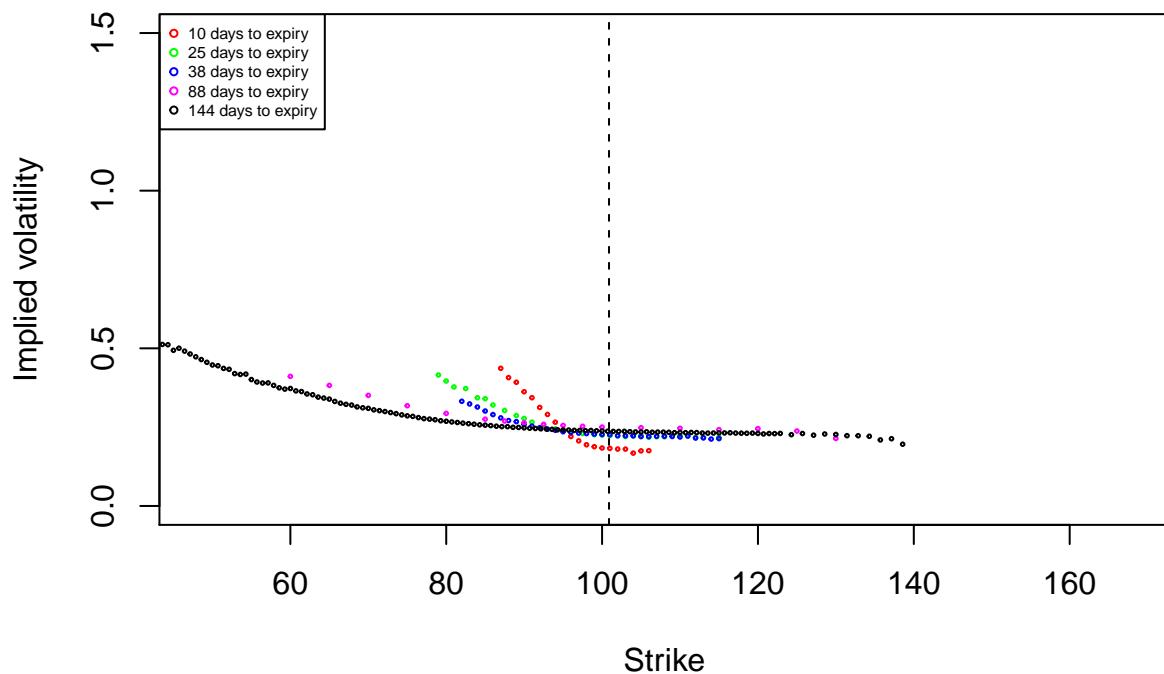
### Apple puts: 2014-08-22 (Price = 101.32)



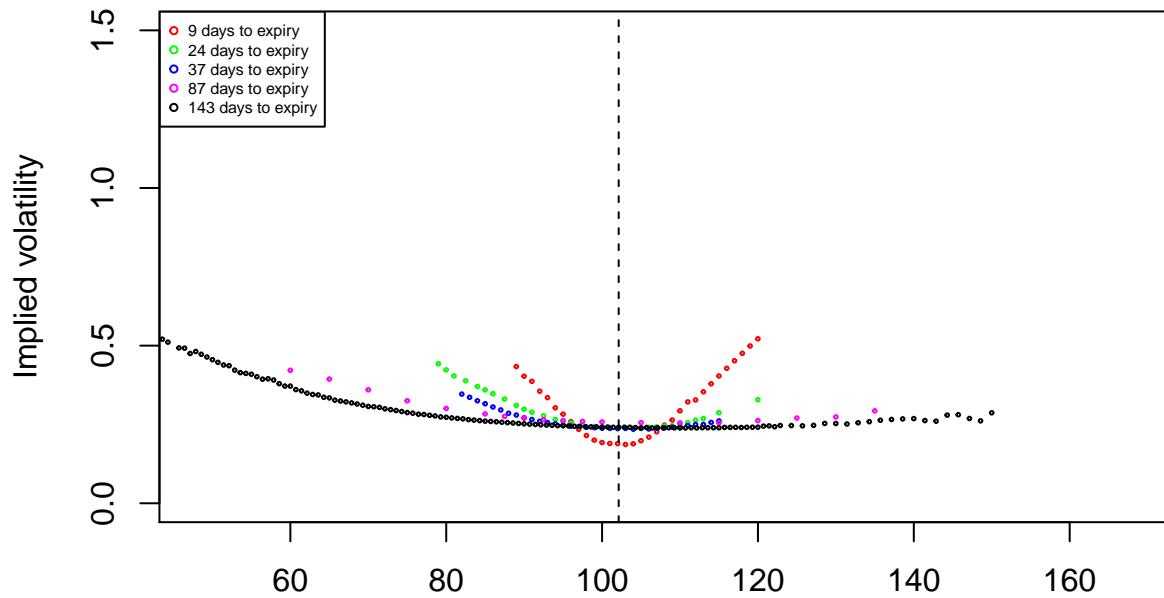
### Apple puts: 2014-08-25 (Price = 101.54)



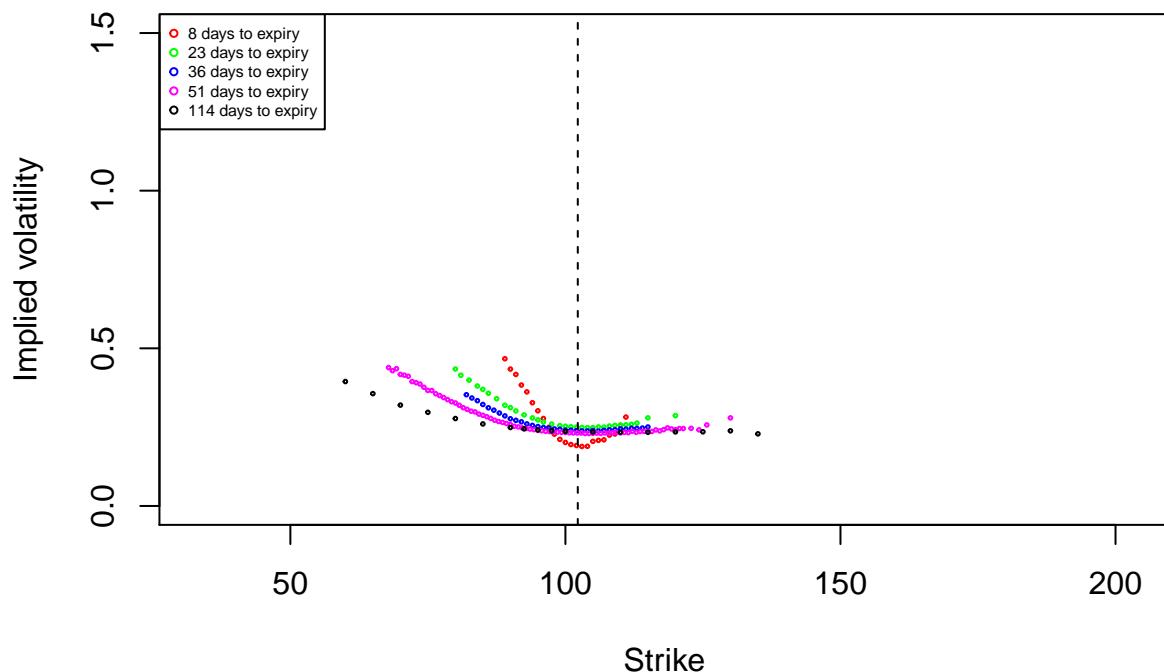
### Apple puts: 2014-08-26 (Price = 100.889)



### Apple puts: 2014-08-27 (Price = 102.13)



### Strike Apple puts: 2014-08-28 (Price = 102.25)



### Apple puts: 2014-08-29 (Price = 102.5)

