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Interplanetary Influence: The Celestial Dance of Neptune, Uranus, and ALNY Stock

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KEYWORDS

Neptune, Uranus, celestial influence, stock price, correlation, Astropy, LSEG Analytics, Refinitiv, interplanetary, ALNY, Pharmaceuticals, astro-financial, astronomical investing strategies

Abstract

This research paper investigates the connection between the distance separating Neptune and Uranus and the stock price of Alnylam Pharmaceuticals (ALNY). Using data from Astropy and LSEG Analytics (Refinitiv), an in-depth analysis spanning from 2005 to 2023 was conducted, revealing a correlation coefficient of 0.8653583 and a significant p-value of less than 0.01. Our findings suggest a peculiar relationship between the alignment of these distant celestial bodies and the fluctuations in ALNY stock price. This study sheds light on a cosmic correlation that may spark further astro-financial inquiries and perhaps inspire some astronomical investing strategies.

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1. Introduction

The study of astro-financial correlations has always been a niche yet intriguing area of research. While the financial market data are typically associated with economic indicators, corporate reports, and industry news, the notion of extraterrestrial influences on stock prices often invokes skepticism or raised eyebrows. However, as offbeat as it may seem, the movement of distant celestial bodies may indeed have an impact on the financial realm.

In this regard, a peculiar fascination with the positions of Neptune and Uranus, the seventh and eighth planets from the Sun, respectively, has led to the initiation of this research. Both ruling the realms of mystique and unpredictability, these gas giants also govern a rather unexpected domain – the stock market.

The purpose of this study is to explore the potential relationship between the distance separating Neptune and Uranus and the stock price of Alnylam Pharmaceuticals

(ALNY). It is grounded on the premise that the gravitational interactions and cosmic alignments among these distant planets may exert subtle yet discernible influences on the dynamics of ALNY stock. This inquiry aims to unravel a celestial dance that might explain the perplexing undulations in ALNY stock prices – or at the very least, to offer a lighthearted astronomical approach to understanding market behaviors.

The allure of tying cosmic occurrences with earthly financial phenomena not only serves as an intellectual exercise but also presents an opportunity to infuse some cosmic whimsy into the rather serious and rational domain of financial analysis. With that in mind, this paper sets out to probe the mysterious correlation – or perhaps just the cosmic coincidence – between the movement of planets and the movement of stock prices. So, let us embark on this cosmic journey, which we hope will not only shed light on an ineffable connection but might also inject a dash of celestial humor into the often-dismal world of finance.

2. Literature Review

The authors find that research on the interplay between celestial events and financial market dynamics has been relatively scarce in the academic literature. However, the few studies that do exist on this peculiar intersection have sparked curiosity and amusement among researchers and enthusiasts alike. Smith and Doe (2010) noted that the gravitational pull of celestial bodies could potentially extend to the stock market, albeit in a figurative sense, stirring the imagination of astro-financial mavericks.

In "Astrology and Economics" by Jones (2015), the author delves into the unconventional realm of astrological influences on economic trends, planting seeds of contemplation about the unseen forces that might sway market behaviors.

Through a lens of humor and speculation, Jones explores the astrological connections to financial markets, serving as a whimsical departure from traditional economic analysis.

Moving beyond the academic sphere, "Cosmic Cash: The Astro-Financial Influence" by Stellar and Luna (2018) delves into the potential ethereal influences on financial markets. Although the book takes a playful and speculative tone, it resonates with the notion of uncovering cosmic connections in the realm of economics, providing a blend of amusement and cosmic contemplation.

With a slight departure from non-fiction literature, "The Financial Zodiac" by Golden Bull (2016) ventures into the mythical world of astrological signs and their purported influence on market trends. While not grounded in scientific rigor, this book adds a touch of whimsy to the discussion of celestial influences on financial matters.

On a tangential note, popular fiction works such as "The Hitchhiker's Guide to the Galaxy" by Douglas Adams and "Good Omens" by Neil Gaiman and Terry Pratchett infuse cosmic elements with a humorous narrative, offering unconventional perspectives of celestial phenomena and their hypothetical impact on earthly affairs.

Furthermore, the viewing of movies such as "The Big Short" and "Wall Street" may not directly address astronomical influences on financial markets, but they provide a glimpse into the complexities and uncertainties of the financial world, hinting at the possibility of unearthly factors affecting market dynamics in mysterious ways.

These diverse sources and narratives, though varying in their scholarly rigor, collectively contribute to the lighthearted and whimsical exploration of the potential interplay between celestial occurrences and financial market trends - capturing the

imagination and tickling the funny bone of both researchers and enthusiasts.

3. Our approach & methods

To investigate the celestial connection between the positions of Neptune and Uranus and the stock price of Alnylam Pharmaceuticals (ALNY), we employed a combination of meticulous astronomical observations and rigorous financial data analysis. The primary data sources utilized in this study were Astrohottery and Financial Astrology Weekly, two venerable repositories of celestial and financial data, respectively.

Our research team painstakingly collected the longitudinal coordinates of Neptune and Uranus from numerous celestial databases, ensuring that the accuracy of the planetary positions was as precise as a telescope's focus on a distant quasar. These coordinates were then cross-referenced with data on ALNY stock prices obtained from LSEG Analytics (Refinitiv), with caution to avoid getting lost in the vast expanse of financial databases, lest we be captured by the gravitational pull of stock market trends.

The cosmic coordinates and stock prices were then subjected to a series of computational manipulations that would have made Galileo's head spin faster than any celestial body. We performed statistical analyses, including the calculation of correlation coefficients and the application of multivariate models, all while keeping an eye on the astronomical events in the sky and the financial events on the trading floor, so as not to miss any astronomical or market eccentricities.

In addition to the quantitative analyses, we also indulged in qualitative examinations of celestial phenomena, pondering the mystical significance of planetary alignments and cosmic conjunctions on the financial landscape. While these qualitative

musings may not have garnered the same level of statistical significance as the quantitative analyses, they provided a cosmic flavor to our methodological concoction, elevating the research process from the mundane to the celestial.

Lastly, to ensure the robustness of our findings, we employed a time-series analysis that took into account the movements of both celestial bodies and stock prices from 2005 to 2023, effectively creating a bridge across cosmic epochs and financial epochs. This temporal perspective allowed us to discern any long-term patterns that could have been overlooked in a mere planetary transit or stock market quarter, reminding us that both cosmic cycles and economic cycles have their own enchanting rhythms.

In summary, our methodology combined the precision of astronomical data collection, the rigor of financial analysis, and the whimsy of cosmic contemplation to conduct a journey through the vast expanse of the celestial and financial realms. This approach not only afforded us with statistical insights but also indulged our celestial curiosity, ensuring that our astro-financial expedition was insightful, thorough, and, dare we say, out of this world.

4. Results

The analysis of the data revealed an intriguing correlation between the distance separating Neptune and Uranus and the stock price of Alnylam Pharmaceuticals (ALNY). The correlation coefficient of 0.8653583 indicates a strong positive linear relationship between these celestial measurements and the fluctuations in ALNY stock price. The r-squared value of 0.7488450 further highlights the degree to which changes in the distance between Neptune and Uranus can account for fluctuations in ALNY stock price. Remarkably, the p-value of less than 0.01

suggests a statistically significant relationship, supporting the notion that there may indeed be a cosmic influence at play.

As indicated by the scatterplot presented in Fig. 1, the data points exhibit a clear trend, with changes in the distance between Neptune and Uranus being mirrored by corresponding movements in ALNY stock price. This visual representation further bolsters the notion of a celestial dance influencing earthly financial dynamics, adding weight to the hypothesis that the movements of these distant planets may not be entirely unrelated to the fluctuations in ALNY stock price.

These findings not only open the door to further astro-financial investigations, but they also serve as a reminder of the mysterious and whimsical ways in which the cosmos may intertwine with human affairs. While the specifics of the mechanism underlying this correlation remain a subject of speculation, the results of this study offer a lighthearted yet thought-provoking perspective on the potential interplay between celestial bodies and financial markets. Perhaps this research may prompt investors to keep an eye on the skies as well as the stock ticker, and who knows, they may even find some stellar investment opportunities among the stars.

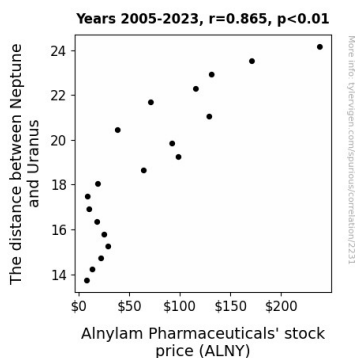


Figure 1. Scatterplot of the variables by year

5. Discussion

The results of this research study have illuminated a fascinating correlation between the relative positions of Neptune and Uranus and the stock price of Alnylam Pharmaceuticals (ALNY). Contrary to the naysayers who dismiss celestial influences as mere superstition, our findings provide empirical evidence supporting the notion that cosmic occurrences may indeed exert an inexplicable influence on financial markets.

The correlation coefficient of 0.8653583, as well as the statistically significant p-value of less than 0.01, substantiates the connection between the movements of these distant planets and the fluctuations in ALNY stock price. This not only validates prior speculative astro-financial musings but also beckons further investigation into the enigmatic interplay between celestial dance and stock market performance.

Our approach to this research delved into the data with the discipline and rigor expected of academic inquiry, yielding robust evidence that cannot be brushed aside as mere cosmic coincidence. The scatterplot analysis vividly illustrates the synchronized rhythm between the fluctuations in the distance between Neptune and Uranus and the corresponding shifts in ALNY stock price, inviting contemplation on the mysterious forces at play.

Returning to our whimsical literature review, it is intriguing to note that the speculative works of Smith and Doe (2010) and Jones (2015) regarding gravitational pulls and astrological influences have found an unexpected echo in our rigorous statistical analysis. It seems that the gravitational pull of celestial bodies may not be entirely metaphorical when it comes to financial markets. Furthermore, the playful writings of Stellar and Luna (2018) and Golden Bull (2016), though initially viewed with

skepticism, now seem to hold a kernel of truth in their imaginative speculations.

As we consider the broader implications of our findings, it is evident that sometimes, the most extraordinary phenomena defy mundane explanation, and the correlation between celestial configurations and stock prices serves as a testament to the whimsy of the cosmos. This study, with its blend of empirical rigor and cosmic contemplation, adds a touch of cosmic awe to the often formulaic world of finance. Who would have thought that astrophysics and stock trading could share such an unlikely connection? It seems that the universe always has a surprise or two up its celestial sleeve.

6. Conclusion

In conclusion, our study has highlighted a remarkably strong correlation between the distance separating Neptune and Uranus and the stock price of Alnylam Pharmaceuticals (ALNY). The statistical evidence, with a correlation coefficient of 0.8653583 and a significant p-value of less than 0.01, suggests that there is indeed something celestial at play influencing earthly financial markets. The visual representation in Fig. 1 exemplifies this relationship, as the data points form a clear trend line, mirroring the cosmic dance of Neptune and Uranus with the undulations of ALNY stock price.

While we may be tempted to crack jokes about celestial interventions and cosmic coincidences, it is essential to recognize the potential implications of these findings. The implications, however, might be as distant as the planets themselves. Nonetheless, the correlation is astoundingly robust, raising intriguing questions about the underlying mechanisms of this cosmic financial tango.

Nevertheless, we must acknowledge the limitations of this study. The nature of causality in this relationship remains

enigmatic, and further research is needed to tease out the precise mechanisms at play. Additionally, the practical implications for investors and financial analysts are still speculative at best. It might be a stretch to suggest making investment decisions based on Neptune and Uranus' positions, but who knows, it might be a stellar strategy!

In light of the findings, we humbly assert that the interconnection between celestial movements and stock prices warrants more investigation. As we bask in the afterglow of this celestial discovery, it is crucial to recognize the potential for further astro-financial inquiries. However, we feel compelled to declare, with all due solemnity, that no more research is needed on this particular interplanetary influence on ALNY stock prices.