



Real-Time Updates on the Launch of Starlink Falcon 9 at Cape Canaveral

Description

The saying that the "third time's the charm" carries eminent weight in light of recent events.

I warmly welcome all interested parties to FLORIDA TODAY's expert Space Team's real-time coverage, comprising SpaceX's third consecutive attempt to launch a Falcon 9 rocket as part of Starlink 6-44 mission. Our objective? To successfully dispatch an additional batch of satellites onto their precise orbital paths.

In terms of logistics, SpaceX has adeptly recalibrated the liftoff target from 6:29 p.m. to a more optimal 7:57 p.m. EDT. This strategic decision is made with deliberation from the launch window at the renowned NASA's Kennedy Space Center pad 39A, with possible extension of the launch window until 10:39 p.m. If exigencies arise, contingency backup opportunities have been provisioned for Saturday.

Despite last Thursday's unsuccessful launch attempt, it was indeed an impactful day for SpaceX, making profound resonations in the world of space travel. In a somewhat serendipitous coincidence, it was the universally acknowledged mathematical Pi Day, during which SpaceX commemorated a significant Starship test flight alongside their 22-year anniversary.

Perhaps mirroring the fact that even in space exploration, the best-laid plans can go askew; last Thursday's launch attempt was abruptly halted 2 minutes and 1 second before the anticipated liftoff. The rationale, as disclosed by SpaceX on X (the digital platform formerly known as Twitter), echoed concern over a technical glitch with the transporter erector's cradle arms. These are instrumental components that hoist the rocket into the vertical position, an operation that precedes its retraction process that occurs prior to liftoff.

Regrettably, this issue arose following a similar one on Wednesday night, stopping the launch sequence at the 2 minutes and 3 seconds mark; SpaceX, however, has yet to elucidate over the reason for the previously mentioned scrub.

Are we looking towards a successful launch tonight? If the stars align, figuratively and literally, the Falcon 9 will propel a new batch of Starlink internet satellites within its fairing along the rocket's 230-foot curvature. This won't produce any noticeable sonic booms — instead, post its southeastern skyward trajectory, the disposable stage of the rocket is scheduled to touch down on a remotely piloted ship at sea precisely 8½ minutes after liftoff.

Preparations for SpaceX's ISS supply mission underway

6:33 p.m. Update: NASA recently announced the impending SpaceX CRS-30 mission — a pivotal operation where the venerable Falcon 9 is tasked with the significant undertaking of launching a Dragon cargo spacecraft loaded with crucial science investigations, supplies, and equipment for the International Space Station (ISS). The scheduled liftoff for this mission is set at 4:55 p.m. Thursday.

The Falcon 9's launching operations will take place from pad 39A at KSC. Interestingly, the first-stage



booster will generate sonic booms by focusing on landing at Cape Canaveral Space Force Station.

Brevard's Advanced Preparations for SpaceX Launch

Update 6:10 p.m.: In anticipation of SpaceX's forthcoming Falcon 9 launch, Brevard County Emergency Management officials have mobilized their expert launch operations support team.

To get in touch with our Space Reporter, Brooke Edwards, you can reach her via email at bedwards@floridatoday.com.

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Vocabulary List:

1. **Eminent** // (adjective): Highly respected or well-known.
2. **Recalibrated** // (verb): Adjusted or reset to a new standard.
3. **Serendipitous** // (adjective): Occurring by chance in a happy or beneficial way.
4. **Deliberation** // (noun): Careful consideration and thought.
5. **Exigencies** // (noun): Urgent or pressing situations.
6. **Contingency** // (noun): A future event or circumstance that is possible but cannot be predicted with certainty.



Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. Which term means prominent or distinguished?
Option: Eminent
Option: Serendipitous
Option: Exigencies
Option: Contingency
2. What is the term for adjusting or calibrating something again?
Option: Eminent
Option: Recalibrated
Option: Impulse
Option: Transparent
3. Which term refers to a possible event or circumstance?
Option: Intriguing
Option: Contingency
Option: Denouement
Option: Astute
4. What field involves the use of technology to study the brain?
Option: Neurotechnology
Option: Graphene
Option: Paradigm
Option: Innovative
5. Which term means easily understood or seen through?
Option: Eminent
Option: Prognosticate
Option: Transparent
Option: Caveat
6. What is a material that can conduct electricity under certain conditions?
Option: Therapeutic
Option: Semiconductor
Option: Perpetuates
Option: Formidable
7. Which term means showing luminous colors that seem to change when seen from different angles?



- Option: Caveat
- Option: Intriguing
- Option: Astute
- Option: Iridescent

8. Which term means continues indefinitely?

- Option: Perpetuates
- Option: Formidable
- Option: Astounding
- Option: Innovative

9. Which term means extremely large or huge?

- Option: Atmosphere
- Option: Anticyclone
- Option: Colossal
- Option: Astounding

10. Which term refers to urgent needs or demands?

- Option: Exigencies
- Option: Therapeutic
- Option: Innovative
- Option: Paradigm

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Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

- 11. The _____ of the play revealed the true intentions of the characters.
- 12. The new research presents a _____ shift in how we view the subject.
- 13. The team faced a _____ opponent in the championship match.
- 14. The company prides itself on its _____ approach to product development.
- 15. His red hat made him easily _____ in the crowd.
- 16. The magician's tricks were truly _____ leaving the audience in awe.
- 17. She bought the dress on a whim following a sudden _____.
- 18. The spa offers various _____ treatments to help guests relax.



19. The contract had a _____ regarding late payment fees.
20. Her _____ observations about the market helped her make successful investments.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

| |
|---|
| 21. Finding money in an old jacket was a discovery that made her day. |
| 22. Corporate is important for building trust with stakeholders. |
| 23. After much they reached a decision on which course of action to take. |
| 24. The scientist proposed a new about the behavior of black holes. |
| 25. is a promising material for future electronic devices due to its unique properties. |
| 26. His dedication to charity work is truly and deserving of praise. |
| 27. The warm of the café made it a popular spot for locals. |
| 28. An is a weather phenomenon characterized by high pressure and dry conditions. |
| 29. As an scientist she was invited to speak at the prestigious conference. |
| 30. His business decisions were always leading to consistent growth. |

Answer

Multiple Choice: 1. Eminent 2. Recalibrated 3. Contingency 4. Neurotechnology 5. Transparent
6. Semiconductor 7. Iridescent 8. Perpetuates 9. Colossal 10. Exigencies

Gap-Fill: 11. denouement 12. paradigm 13. formidable 14. innovative 15. conspicuous 16. astounding
17. impulse 18. therapeutic 19. caveat 20. astute

Matching sentence: 1. serendipitous 2. transparency 3. deliberation 4. postulate 5. graphene 6. commendable
7. atmosphere 8. anticyclone 9. eminent 10. astute

CATEGORY

1. Sci/Tech - LEVEL6

Date Created

2024/03/16

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