

Candidate Question Annotation

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Hot topic: Beryl strengthens into the earliest Category 5 Atlantic hurricane on record after devastating Windward Islands

Candidate Questions	Background of Hot Topic	News Content
Time <input type="checkbox"/> During which period is Hurricane Beryl expected to reach its maximum intensity as it approaches the central Caribbean? <input type="checkbox"/> In what timeframe will Hurricane Beryl likely weaken from a Category 5 to a lower category as it progresses?	Hot Topic: Beryl strengthens into the earliest Category 5 Atlantic hurricane on record after devastating Windward Islands Date Query: 2024-07-01 URL: https://edition.cnn.com/2024/07/01/weather/hurricane-beryl-caribbean-landfall-monday/index.html	DatePublished: 2024-07-01 URL: https://weather.com/storms/hurricane/news/2024-07-01-hurricane-beryl-category-5 Sign up for the Morning Brief email newsletter to get weekday updates from The Weather Channel and our meteorologists.
Location <input type="checkbox"/> Which regions in the central Caribbean are forecasted to be in the direct path of Hurricane Beryl as it maintains its intensity?	Original Background: Hurricane Beryl has strengthened into a Category 5 Atlantic hurricane — the earliest on record — as it powers across the Caribbean after bringing devastation to the Windward Islands, where at least one person is dead. Its intensity also marks just the second time an Atlantic hurricane has reached Category 5 status in July after Emily did so on July 17, 2005, according to the National Hurricane Center. Beryl's maximum sustained winds have increased to near 160 mph, with higher gusts, the NHC said.	Hurricane Beryl has become the first Category 5 hurricane of the season and the earliest hurricane of such strength on record. Beryl is the earliest to reach Category 5 strength on record in the Atlantic, and reached the record earlier than the previous storm by more than two weeks. The previous earliest Category 5 was Hurricane Emily on July 16 during the hyperactive 2005 Atlantic Hurricane Season.
Event Development <input type="checkbox"/> How will Hurricane Beryl's path and intensity change as it approaches Jamaica? <input type="checkbox"/> What are the expected changes in Hurricane Beryl's intensity as it interacts with the landmass of the central Caribbean?	Generated Background: Hurricane Beryl has escalated into a Category 5 storm, marking it as the earliest	Beryl's rapid intensification and extreme intensity are likely due to record warm water temperatures. Earlier today, Beryl's center moved over Carriacou Island in the Grenadines with maximum sustained winds of 150 mph, making Beryl a strong Category 4.
Event Outcome Please manually enter the appropriate predictive question:	<small>See our full annotation tool for more on where Beryl is headed next</small>	
<p>Question Type: (time: 0, location: 1, event development: 2, event outcome: 3, event impact: 4, event response: 5, other: 6)</p> <input type="button" value="Submit"/>		

Figure 14: Question annotation interface.

Ground Truth Annotation

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Prediction Question: During which period is Hurricane Beryl expected to reach its maximum intensity as it approaches the central Caribbean?

Annotation List	Question Details	News Content
Question: During which period is Hurricane Beryl expected to reach its maximum intensity as it approaches the central Caribbean? Please manually enter the revised question:	Hot Topic: Beryl strengthens into the earliest Category 5 Atlantic hurricane on record after devastating Windward Islands Date Published: 2024-07-01	News Title: Beryl Becomes the First Major 2024 Atlantic Hurricane URL: https://gpm.nasa.gov/applications/weather/news/beryl-becomes-first-major-2024-atlantic-hurricane Published Date: 2024-07-09 Score: 5
Please manually enter the answer URL: <small>Separate each url with a semicolon (;)</small>	News List <input type="checkbox"/> Beryl Becomes the First Major 2024 Atlantic Hurricane <input type="checkbox"/> Beryl's 'alarming' characteristics: A deep dive into its rapid... <input type="checkbox"/> July 4, 2024: Hurricane Beryl brings powerful winds and ... - CNN <input type="checkbox"/> Hurricane Beryl drops to Category 4 strength after breaking records... <input type="checkbox"/> Hurricane Beryl weakens as Caribbean islands assess damage : NPR <input type="checkbox"/> Category 5 Hurricane Beryl makes explosive start to 2024 Atlantic ... <input type="checkbox"/> Beryl's records: Impacts, track, what's known and unknown <input type="checkbox"/> Watch: Satellite video tracks Beryl's path tearing	On the morning of Sunday, June 30, Hurricane Beryl became a rare early season major hurricane when it reached Category 3 status with sustained winds of 115 mph as it was moving across the Atlantic 420 miles east-southeast of Barbados in the direction of the Leeward Islands. Then, just a few hours later at 11:35 a.m. EDT, Beryl became the earliest Category 4 hurricane on record in the Atlantic with sustained winds reported at 130 mph by the National Hurricane Center (NHC), surpassing Hurricane Dennis from the epic 2005 Atlantic hurricane season. Beryl also became historic as the strongest and easternmost hurricane and major hurricane in June in the Atlantic. Beryl originated from a tropical wave of low pressure that moved off the coast of Africa on June 22. Known as African Easterly Waves (AEWs), these waves typically move westward from Africa across the tropical Atlantic and into the Caribbean at semi-regular intervals and can serve as seedlings for tropical storms and hurricanes. However, what makes Beryl unusual is that it formed from an AEW so early in the season.
Please manually enter the answer:	<p>Please manually enter the new questions: Question Type: (time: 0, location: 1, event development: 2, event outcome: 3, event impact: 4, event response: 5, other: 6)</p> <input type="button" value="Submit"/>	

Figure 15: Ground truth annotation interface.