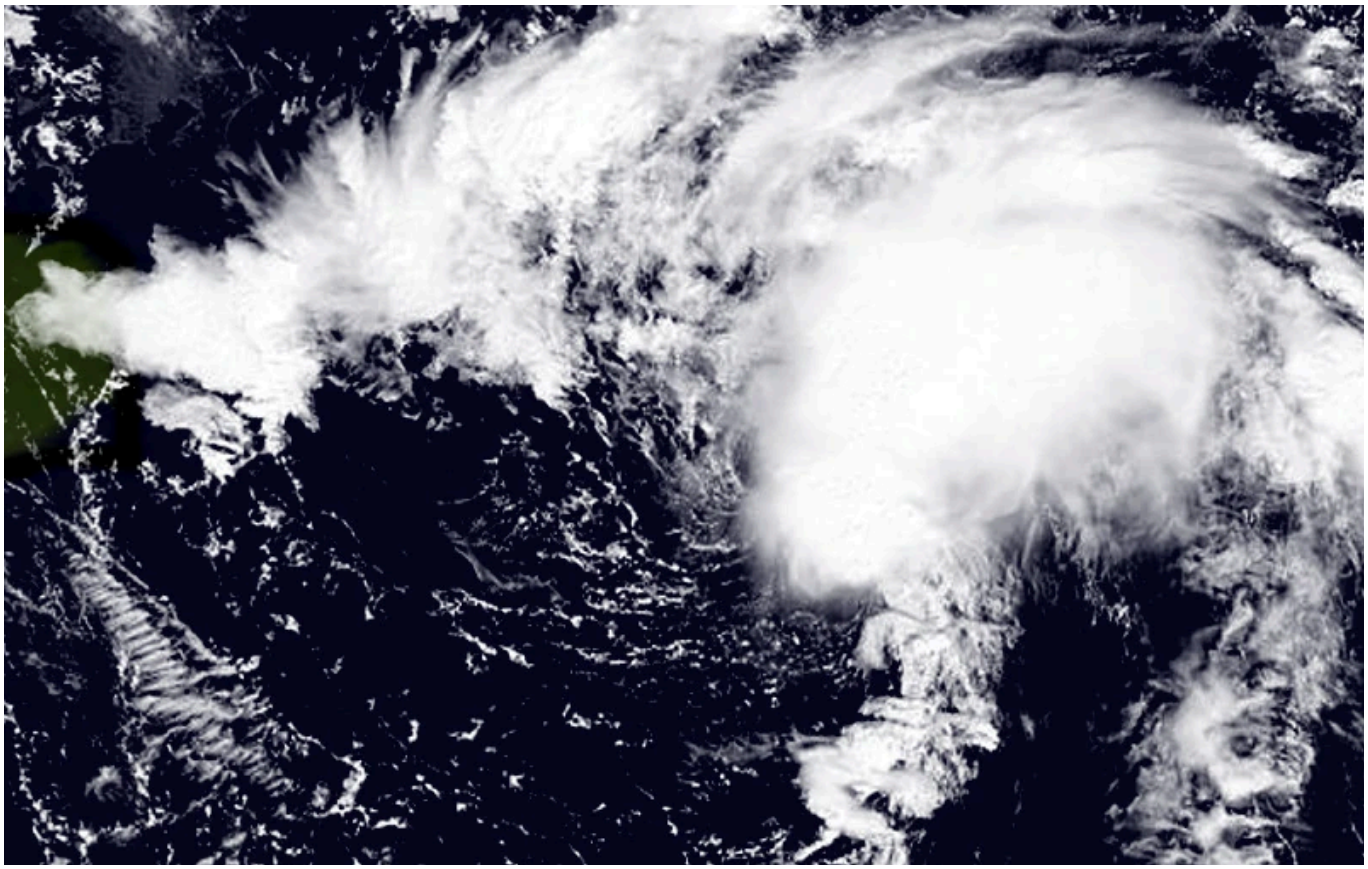
MINECRAFT WEATHER & HURRICANE ASSOCIATION

TROPICAL CYCLONE REPORT

TROPICAL STORM AMANDA MC-01-2019



Above: Subtropical Storm Amanda transitioning to a tropical system on January 6, 2019.

Tropical Storm Amanda was a short lived tropical cyclone that formed at an unusual time of year in the subtropics.

TROPICAL STORM AMANDA

JANUARY 5 – 7, 2019

SYNOPTIC HISTORY

On December 28, 2018, a non-tropical (extratropical) system developed just west of Japan in the West Minecraft Basin, bringing gusty winds and snow to the region. As the large low pressure continued to the east, it continued to rotate rapidly as a powerful extratropical cyclone, now aiming for the far western-side of Yandere, MC. It struck the region in the early morning hours of January 3, 2019, bringing heavy rain to parts of Set-Up Survival- specifically from Nas to Pristine -and catastrophic snow and ice to Yandere. Far northern areas saw up to 27 inches of snow, with an additional total of 2 inches of ice. Businesses and schools in Yandere were closed for up to two days due to difficult travel. Flights were delayed or even cancelled. Severe weather spawned by Amanda's precursor formed 17 tornadoes in Set-Up Survival.

On January 4, the precursor EX moved into Weston Bay and the MWHA noticed that it was oddly gaining subtropical characteristics. It was designated as an Invest late on the same day, given a 30 percent chance of formation into a subtropical or tropical cyclone. Unexpectedly, the structure of the storm rapidly improved the next day, and an *ASCAT* scan confirmed that the system had developed into a subtropical depression. Thus, it was named SUBTROPICAL DEPRESSION ONE-M**.** This made Amanda the earliest forming tropical/subtropical system on reliable record in the Minecraft basin.

As the system continued to strengthen, beaches in Southern Yandere were experiencing rough surf churned up by One-M. The system continued to strengthen, and buoys and ground observations showed that it had intensified to a subtropical storm, with sustained winds up to 42

miles per hour, and gusts to 54 miles per hour. A pressure of 1003 mbar was also recorded, and thus at 00:00 TTC on January 6, 2019, One-M was upgraded to SUBTROPICAL STORM AMANDA. An ASCAT scan also confirmed that it was still subtropical, but that it was beginning a transition to tropical status.

Amanda continued to unexpectedly intensify and began to look fully tropical. Convection increased over the center and Terratormenta's Best Track (TTBT) / ATCF information read that Amanda was fully tropical at 12:00 TTC January 6, 2019. At the MWHA's next advisory, Amanda was upgraded to a fully TROPICAL STORM with 50 mph winds, as buoys had supported an upgrade in winds and a pressure decrease to 997 mbar. This was when Amanda peaked as a tropical cyclone. Amanda began to struggle against colder sea-surface temperatures and high shear (as was expected in January) and the circulation was exposed once again. At 22:30 TTC, the TTBT information issued a special advisory, which read that Amanda was transitioning to POST-TROPICAL CYCLONE with 45 mph winds.

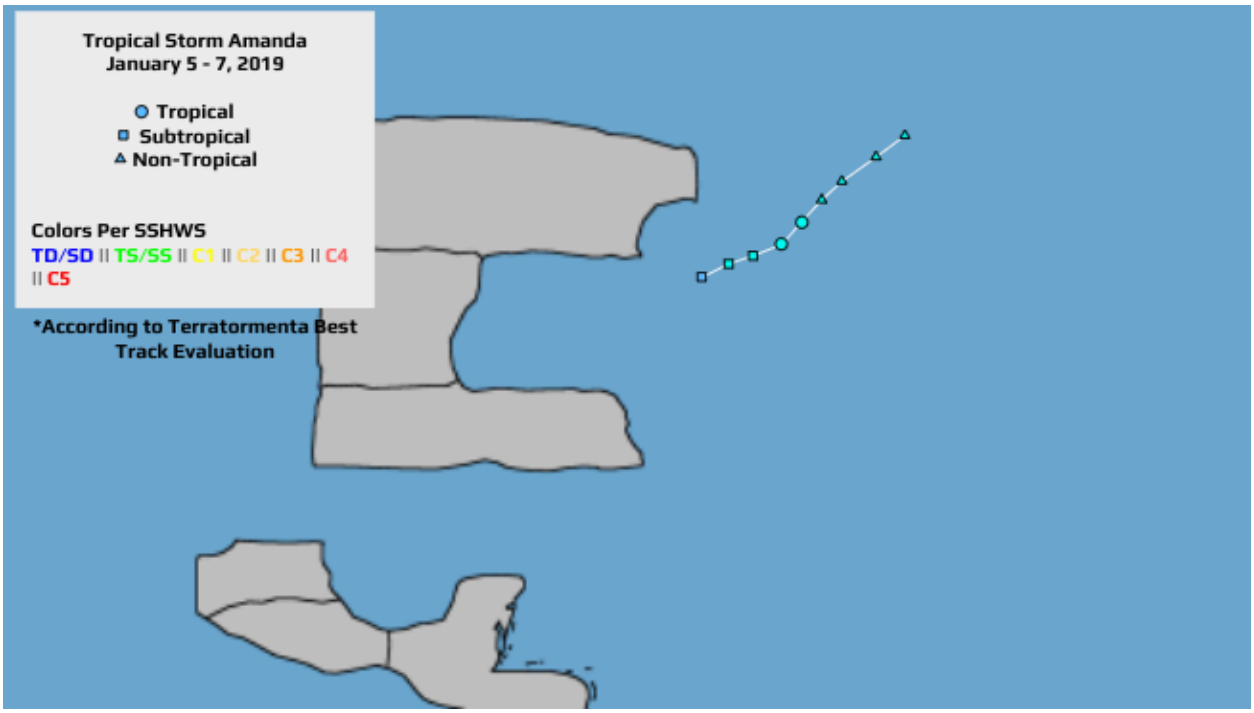
At 6:00 TTC on January 7, the MWHA declared that Amanda had transitioned to an extratropical cyclone. The large and expanding LLC that had formerly been embedded deep within Amanda's convection was no fully exposed, cloud tops were warming and spreading out away from the center, and the overall structure was becoming quite poor. Amanda began to accelerate away from Yandere State, and eventually was absorbed by a larger extratropical cyclone.

METEOROLOGICAL STATISTICS

- **Fig 1.** Terratormenta Best Track Data - T.S. AMANDA - 05-07 JAN 2019

DATE/TIME [TTC]	PRESSURE [MB]	WIND [MPH]	STAGE
05/1800	1006	35	subtropical depression
06/0000	1003	40	subtropical storm
06/0600	1001	40	" "
06/1200	997	50	tropical storm
06/1800	997	50	" "
06/2230	999	50	post-tropical
07/0000	999	45	" "
07/6000	1000	45	" "
07/1200	999	45	" "
07/1800	998	50	absorbed/dissipated

- **Fig 2.** The Terratormenta best track map, including the peak intensity, categories of the cyclone, and 6 hr intervals.



- **Fig 3.** Wikipedia style best track map