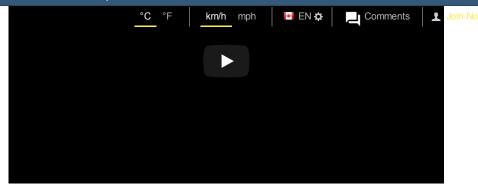




Your weather when it really matters™



Given that this CME missed us by roughly 9 days, the use of the word 'narrowly' when describing how close it came to us may seem a bit excessive. However, when you look at those 9 days compared to the length of our year (the time it takes Earth to travel once around the Sun), the distance between us and the CME was only about 3 per cent of our orbital path. That's a *pretty narrow miss*.

The fact that these smaller flares were able to produce such a strong event is alarming, given that weaker flares are far more common than the powerful X-class or stronger ones. At the same time, though, it took a very specifically-timed combination of these three flares - one to sweep out the interplanetary medium so that the way was clear of particles that tend to slow down CMEs, and then two more in quick succession that happened right on top of one another, so that they merged together to produce the Carrington-level event. Thus, the specific combination of timing and solar flare strength that went into producing this event means that it will still be an uncommon event.

Even so, given the devastating effect that an event like this would have on current technologies, potentially putting us in the dark for months or years and costing us trillions of dollars worldwide, it definitely emphasizes the need to watch these weaker flares more closely.







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