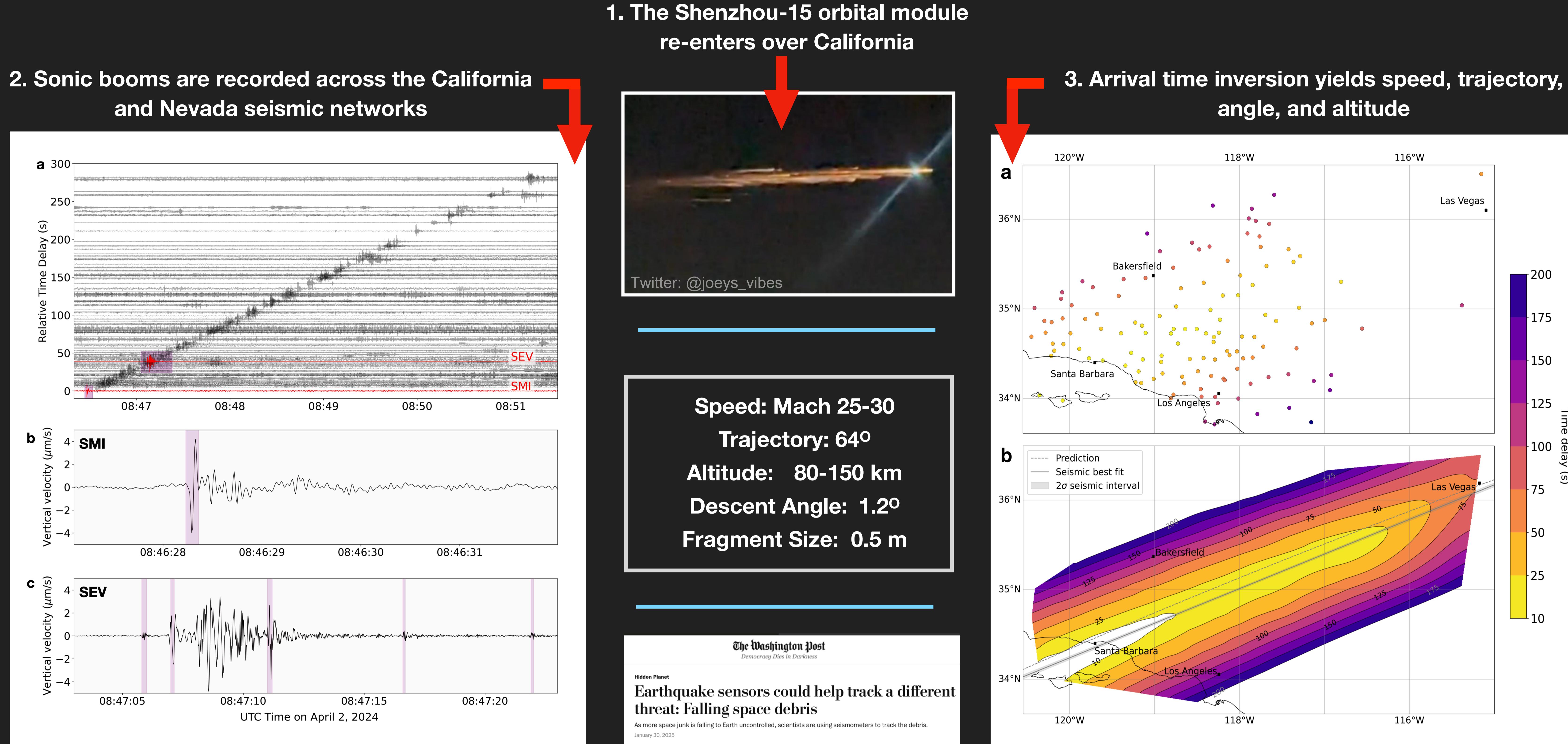




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We have demonstrated that seismic data enable tracking and characterisation of debris re-entering the atmosphere. Relative arrival times enable inversion of speed, trajectory, altitude, and descent angle. Boom characteristics enable inversion of fragment size.