Conservation laws for "tracers" (conserved quantities) become transport equations 2 = 0+5(8 is conserved) (except for source on time gradent advection of a or advective tenders. (onvergence on vergence of flux off) this is small for 2)

Consider the tracer of (relative vorticity)

(more (ater!) Sorta conserved especially at 500mb. Lets look at data about it. Don Firm that $\frac{\partial^2}{\partial t} = -\vec{v}_h \cdot \vec{v}_h = -\vec{v} \cdot (\vec{v})$ 2) confirm that trije (tonies follow bloss and filiaments of 3. A traje (tory is a mathematical curve given by: Y(t) = Y(0) + Su(x,y,z,t) dt' must iterate this interval.



