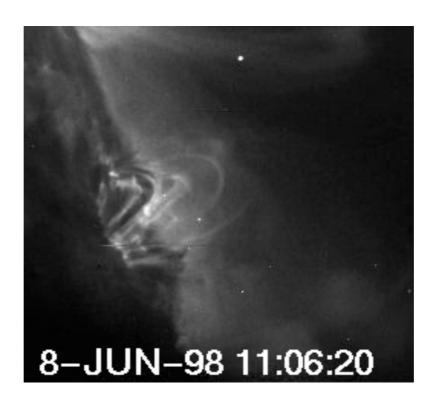
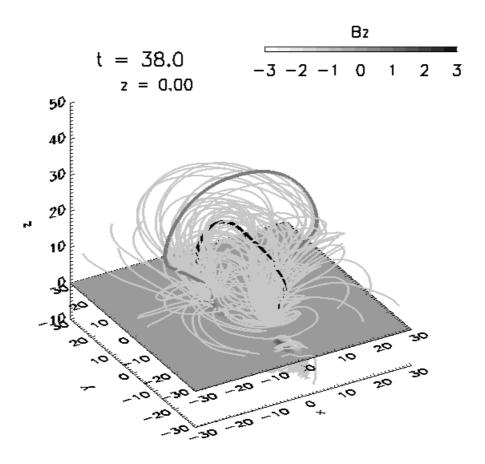
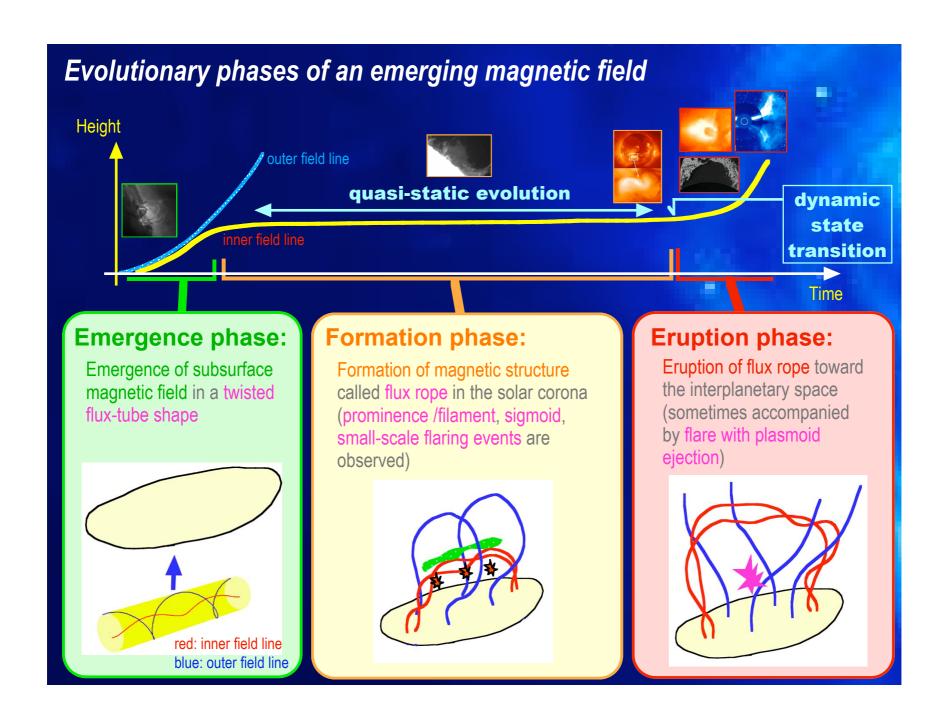
Flux emergence... a very dynamic process (observation)



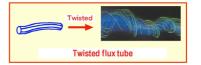
Observed by **TRACE**

Flux emergence... a very dynamic process (simulation)





Twisted flux tube plays an important role in magnetic activity observed in the solar atmosphere...



Because it contains **field-aligned current** giving free magnetic energy that is <u>not consumed to drive expansion via Lorentz force</u>.

