

## ***Interactive comment on “Forecast, observation and modelling of a deep stratospheric intrusion event over Europe” by P. Zanis et al.***

### **Anonymous Referee #2**

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**Synopsis** - This paper records a deep stratospheric intrusion event in central Europe in mid-June 2001. Observations from a lidar in Garmisch (southern Germany) and sondes from several stations (Belgium, Switzerland, Germany) compare favorably with models based on trajectories (FLEXPART) and an ECMWF forecast. Ground-based observations of Be-10 and Be-7 from high-altitude stations are also used to identify stratospheric air.

**Review** - VERY GOOD RATING (half Excellent, half Good)

Very good analysis with comprehensive data and modeling. Paper is almost acceptable as is. Minor requests: page 10 - "hit tables". Showing one of these with highlight of the time and location of observations used would help put the data in context. Page 14 - Give some details about the "ozone forecast" from ECMWF. How is this carried out?

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