



## **Source location for the CTBTO-WMO exercise 2008 and resolution of meteorological fields**

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In October/November 2008, another exercise was conducted between the CTBTO/PTS and the WMO centres for atmospheric backtracking. A hypothetical release was assumed and modelled forward to create pseudo-measurements, on whose base backtracking was requested from the WMO centres. As one of these centres, ZAMG did operational calculations with the FLEXPART 6.2 dispersion model based on ECMWF meteorological fields of 1.0 degree spatial resolution. In addition, calculations based on 0.5 degree resolution were carried out. Both calculations use the full vertical resolution of the ECMWF model.

We compare the results of both calculations and also the source location that is achieved using these calculations. Source-receptor relationship that can be derived from the two sets of data are considered in the inversion.