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## Caveat: Ephemeris Accuracy

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Our goal is to distribute data products within a week of the observation. Since the definitive orbit ephemeris data (`orbit*eph1.fits`) are usually not available until a week after the observation period, a predictive orbit ephemeris (`orbit*eph0.fits`) is shipped with all data.

Use of predictive ephemerides is perfectly fine for most purposes, since the accuracy for the first week is certainly better than 300 km, or 1 ms. The exception is applying barycenter corrections to fast pulsars.

Users may pick up definitive ephemeris files, either through the [Chandra Data Archive](#) Search and Retrieval (ChaSeR) interface by retrieving them for a public observation in the same week, or from a temporary depository at our [FTP site](#).

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URL:  
<http://cxc.harvard.edu/ciao3.4/caveats/ephem.html>  
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Caveat: Ephemeris Accuracy – CIAO 3.4