

Radio observations of the jovian bKOM and HOM by Ulysses/URAP

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During 1994 and into 1996, Ulysses was at distances of 5 AU or more from Jupiter and travelling from south to north of the ecliptic plane between jovicentric latitudes -36° to 20° .

While the broadband kilometric radiation (bKOM) was observed at all jovicentric latitudes (Duly) during the period studied, the visibility of the hectometric emission (HOM) appeared to depend upon Duly at the time of observation and was only observed when Ulysses was relatively close to the plane of the jovicentric equator, consistent with previous work based upon Voyager and Ulysses observations made relatively close to encounter.

More recently, from the end of 2003 into 2004, Ulysses observed Jupiter from considerably higher latitudes, up to about 75° . These observations are reviewed and will be compared with the previous results for lower latitudes.