

## Appendix C Accuracy Benchmarks Reporting Template

Member name:	
Name simulation code (If there):	
Simulation methods	

### Insulated boundary benchmark

Solution at (between):					
$E_{kin}$	$E_{mag}$	$T$	$u_\phi$	$B_\theta$	$\omega$
Truncation of spectrum					
$N_{Chebyshev}$	$l_{max}$	$m_{max}$			$R_{sph}$
Grid resolution					
$N_r$	$N_\theta$	$N_\phi$	$N_{sphere}$		$R_{lcl}$

### Pseudo vacuum boundary benchmark

Solution at (between):					
$E_{kin}$	$E_{mag}$	$T$	$u_\phi$	$B_\theta$	$\omega$
Truncation of spectrum					
$N_{Chebyshev}$	$l_{max}$	$m_{max}$			$R_{sph}$
Grid resolution					
$N_r$	$N_\theta$	$N_\phi$	$N_{sphere}$		$R_{lcl}$

Notes for resolution (Truncation type, grid patten, etc.)
Notes for parallelization (Restriction, direction of domain decomposition, etc.)