

Geotail - Yr 1993, 40k data pts	X	Y	Z	Avg of Components
<i>GSE to GEI</i>				
Average Absolute Differences:	0.000261	0.00035	0.000461	0.000357
Average Percent Differences:	0.000867	0.003557	0.003755	0.002726
<i>GSE to J2000</i>				
Average Absolute Differences:	0.045832	0.000366	0.103211	0.049803
Average Percent Differences:	0.31034	0.004948	2.246288	0.853859
<i>GSE to GEO</i>				
Average Absolute Differences:	0.0016	0.0016	0.000461	0.00122
Average Percent Differences:	0.027139	0.011911	0.003755	0.014268
<i>GSE to MAG</i>				
Average Absolute Differences:	0.024256	0.020061	0.028252	0.024189
Average Percent Differences:	0.17231	0.148845	0.311099	0.210752
<i>GSE to GSE</i>				
Average Absolute Differences:	0	0	0	0
Average Percent Differences:	0	0	0	0
<i>GSE to GSM</i>				
Average Absolute Differences:	0	0.001731	0.004243	0.001991
Average Percent Differences:	0	0.067755	3.381238	1.149664
<i>GSE to SM</i>				
Average Absolute Differences:	0.008785	0.001731	0.028252	0.012922
Average Percent Differences:	0.010815	0.067755	0.311099	0.12989

Tests performed on 2004/12/01 using CXFORM v0.6

Absolute differences: $ABS((SSCWeb\ result) - (CXFORM\ result))$

Percent differences: $ABS(100.0 - ((SSCWeb\ result)/(CXFORM\ result))*100.0)$

Averages taken from approx 40000 data points (position in Re) over the course of the specified year.
Source coordinate system was taken to be GSE.

CXFORM: http://nssdcftp.gsfc.nasa.gov/selected_software/coordinate_transform/

SSCWeb: <http://sscweb.gsfc.nasa.gov/>