$$\begin{pmatrix}
3.33\times10^{10} & 1.67\times10^{10} & -11.6 & 528. & 337. & 486. & 420. & 520. & -0.264 & 520. & 2.58 & -0.877 & -1. & 0 & 0 \\
0 & 2.5\times10^{10} & -4.1 & 263. & 168. & 244. & 209. & 260. & -0.682 & 260. & 2.01 & 0.286 & -0.5 & 0 & 0 \\
0 & 0 & -160000. & 53400. & 107000. & -86.6 & 65.1 & -12.4 & -2. & -9.12 & -1.09 & -1.09 & -4.3\times10^{-10} & 1. & 0 \\
0 & 0 & 0 & 9550. & 4840. & 537. & 419. & 524. & -0.231 & 524. & 2.6 & 1.13 & -1. & -0.667 & 0 \\
0 & 0 & 0 & 0 & 6710. & 18.7 & 62.9 & 63.5 & -0.73 & 63.2 & -0.0266 & -0.749 & -0.493 & 0.0045 & 0 \\
0 & 0 & 0 & 0 & 0 & 919. & 258. & 455. & -1.12 & 458. & 2.42 & 0.0166 & -0.942 & 0.0369 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 724. & 270. & 0.388 & 266. & 1.55 & -0.187 & -0.687 & 0.0193 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 165. & 0.899 & 165. & 0.687 & -0.177 & -0.218 & 0.0109 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -0.588 & -2.01 & -0.292 & -0.289 & 0.000329 & -0.0000532 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 6.88 & 0.998 & 0.989 & -0.00113 & 0.000207 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -0.331 & 0.0287 & 0.00513 & -0.0000132 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -0.316 & 0.000115 & 0.0000841 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -0.00197 & 9.69\times10^{-7} & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -0.000043 & 1. \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 23300.
\end{pmatrix}$$