From Boris Semenov (JPL) who says
"the Jupiter nutation/precession terms from IAU 20009 report, given in the pck00010.tpc keywords BODY599_NUT_PREC_RA, BODY599_NUT_PREC_DEC, BODY599_NUT_PREC_PM, and BODY5_NUT_PREC_ANGLES, makes a significant difference in Jupiter pole orientation during the JUNO mission time frame (see attached plot showing total rotational difference between Jupiter orientation computed with and without these terms).
Below are two stripped-off PCKs with Jupiter constants with and without these terms. Using these with FRMDIFF gives an easy way to see the difference between orientations given by full and RA/DEC/PM only models"

\begindata

```
        BODY599_POLE_RA         = (   268.056595      -0.006499
0. )
        BODY599_POLE_DEC        = (    64.495303       0.002413
0. )
        BODY599_PM              = (   284.95         870.5360000
0. )
        BODY599_LONG_AXIS       = (     0.                          )

        \begintext
```

KPL/PCK

```
        \begindata

        BODY599_POLE_RA         = (   268.056595      -0.006499
0. )
        BODY599_POLE_DEC        = (    64.495303       0.002413
0. )
        BODY599_PM              = (   284.95         870.5360000
0. )
        BODY599_LONG_AXIS       = (     0.                          )

        BODY599_NUT_PREC_RA  = ( 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0.000117

0.000938

0.001432

0.000030

0.002150 )
```

```
        BODY599_NUT_PREC_DEC = ( 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

0.000050

0.000404

0.000617

-0.000013

0.000926 )

        BODY599_NUT_PREC_PM  = ( 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.   0.0
                                                                 0.0
                                                                 0.0
                                                                 0.0
                                                                 0.0  )


        BODY5_NUT_PREC_ANGLES  = (     73.32        91472.9
                                       24.62        45137.2
                                      283.90         4850.7
                                      355.80         1191.3
                                      119.90          262.1
                                      229.80           64.3
                                      352.25         2382.6
                                      113.35         6070.0
                                      146.64       182945.8
                                       49.24        90274.4
                                       99.360714     4850.4046
                                      175.895369     1191.9605
                                      300.323162      262.5475
                                      114.012305     6070.2476
                                       49.511251       64.3000  )
        \begintext
```