IRS-P6

State vector:

r (km) = [5174.09 -4832.4 1322.16]

v (km/s) = [-3.28595 -0.358675 6.15557]

Angular momentum (kmˆ2/s) = 49813.4

Eccentricity = 0.183591

Right ascension (deg) = 321.036

Inclination (deg) = 110.856

Argument of perigee (deg) = 148.963

True anomaly (deg) = 222.367

Semimajor axis (km): = 6442.38

Period:

Seconds = 5146.13

Minutes = 85.7688

Hours = 1.42948

Days = 0.0595617

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MT

Mid point = 605

State vector:

r (km) = [4664.05 5183.43 2201.85]

v (km/s) = [-5.24596 5.0599 -0.564275]

Angular momentum (kmˆ2/s) = 53452.7

Eccentricity = 0.021888

Right ascension (deg) = 302.378

Inclination (deg) = 18.1551

Argument of perigee (deg) = 310.609

True anomaly (deg) = 154.289

Semimajor axis (km): = 7171.51

Period:

Seconds = 6044.03

Minutes = 100.734

Hours = 1.6789

Days = 0.0699541

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>> 18.74027778

RS-2

State vector:

r (km) = [5061.31 -4322.9 2580.65]

v (km/s) = [-1.07404 1.61362 7.548]

Angular momentum (kmˆ2/s) = 55182.3

Eccentricity = 0.153943

Right ascension (deg) = 318.077

Inclination (deg) = 86.3385

Argument of perigee (deg) = 318.332

True anomaly (deg) = 62.9055

Semimajor axis (km): = 7824.89

Period:

Seconds = 6888.56

Minutes = 114.809

Hours = 1.91349

Days = 0.0797287

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RI

r (km) = [-1762.63 -6771.83 1171.02]

v (km/s) = [1.12387 1.77439 7.10264]

Angular momentum (kmˆ2/s) = 52240.9

Eccentricity = 0.110588

Right ascension (deg) = 254.584

Inclination (deg) = 85.0771

Argument of perigee (deg) = 117.964

True anomaly (deg) = 251.572

Semimajor axis (km): = 6931.52

Period:

Seconds = 5743.21

Minutes = 95.7201

Hours = 1.59534

Days = 0.0664723

AS

State vector:

r (km) = [4849.05 5101.27 696.978]

v (km/s) = [-5.11161 4.81314 -1.55728]

Angular momentum (kmˆ2/s) = 50846.8

Eccentricity = 0.0862577

Right ascension (deg) = 250.556

Inclination (deg) = 13.63

Argument of perigee (deg) = 319.274

True anomaly (deg) = 196.006

Semimajor axis (km): = 6534.83

Period:

Seconds = 5257.3

Minutes = 87.6216

Hours = 1.46036

Days = 0.0608483

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