This block gives the spacecraft state vector and rotation matrices
for conversion between coordinate systems.
Note that the coordinate systems change with the type of tape.

SEDR DATA

| WORD | NAME | TYPE | MEANING |
|---|---|---|---|
| 1-2 | TN | R8 | EPIC day of navigation block. |
| 3-4 | TP | R8 | EPIC day of pointing vector block. |
| 5-10 | SPV | R4 | Spacecraft relative position vector and velocity vector in<br>HG: Inertial Sun Equator System (AU, km/sec)<br>S3: Jupiter System III Cartesian (Jupiter radii, Km/sec) |
| 11 | RANGE | R4 | Spacecraft distance from<br>HG: Sun in AU.<br>S3: Jupiter in Jupiter radii. |
| 12-13 | ANG | R4 | Spacecraft relative Longitude and Lattitude in radians<br>HG: Inertial Sun Equatorial System.<br>S3: Jupiter latitude and longitude<br>:hp1.Note: :ehp1.<br>$0 \leq \text{longitude} < 2\pi$<br>$-\pi/2 < \text{latitude} \leq +\pi/2$ |
| 14-22 | TTB | R4 | HG: Matrix to rotate data from Inertial Sum Equatorial System to Inertial Heliographic System.<br>S3: Matrix to rotate data from Jupiter System III to Jupiter system III spherical |
| 23-31 | TTB5 | R4 | HG: Matrix to rotate data from Inertial Heliographic System to Earth-Orbit-True System.<br>S3: Matrix to rotate data from payload to Jupiter System III Cartesian. |
| 32-40 | THG | R4 | HG: Matrix to rotate data from payload to Inertial Heliographic System.<br>S3: Matrix to rotate data from Payload to Jupiter System III spherical. |
| 41-50 | | | SPARE |