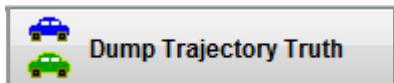




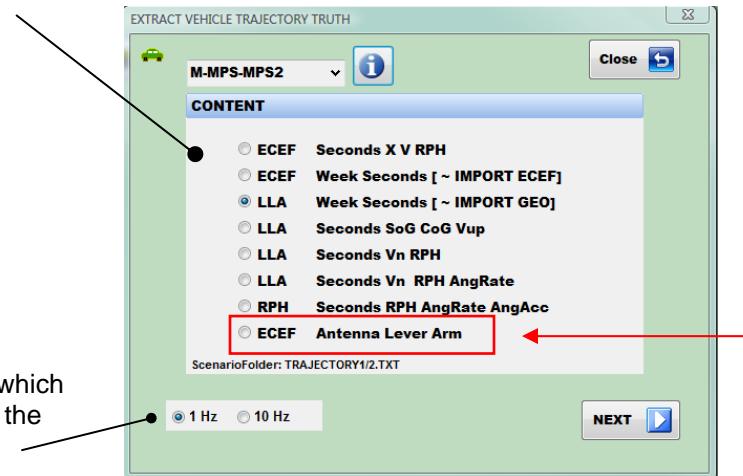
## TRAJECTORY TRUTH DATA



### VEHICLE MOTION TRAJECTORY

Selection of this item presents the following data form:

Select the data content



Select the rate at which you want to dump the data.

This file is dumped into UeLeverArmV1/2.TXT

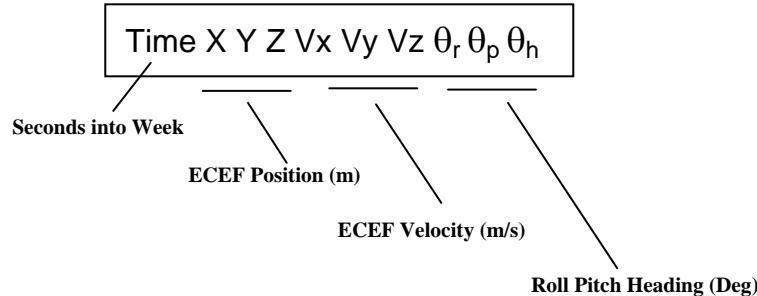
The data is dumped into an ASCII file - **TRAJECTORY.TXT** - within the scenario folder. The output formats are:



- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae Je RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- ECEF ( $T X_e V_e \theta$ ):

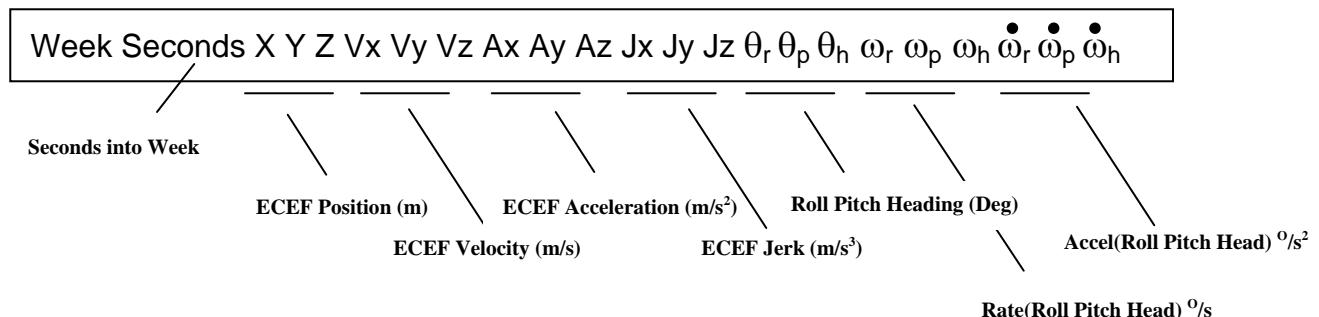
TRAJECTORY.TXT contains time sequential space delimited records comprised of,



- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae Je RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- ECEF ( $X_e V_e A_e J_e RPH$  AngRate AngAcc) [\* same as the [IMPORT](#) format \*]

TRAJECTORY.TXT contains time sequential space delimited records comprised of,

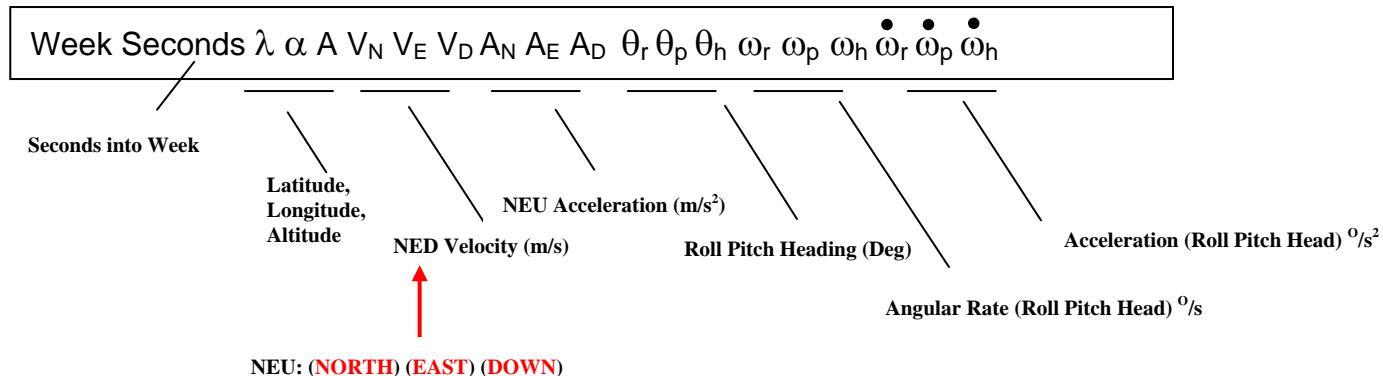




- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae J RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- LLA (Week Seconds) [\* inverse of the [IMPORT](#) format \*]

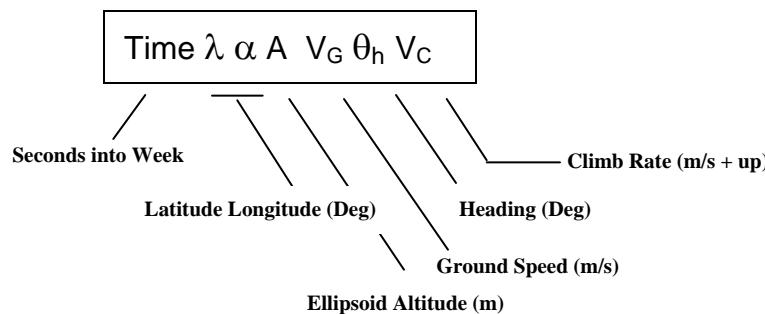
TRAJECTORY.TXT contains time sequential space delimited records comprised of,



- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae J RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- LLA (Seconds [SoG]Speed-Over-Ground [CoG]Course-Over-Ground Rate-of-Climb:

TRAJECTORY.TXT contains time sequential space delimited records comprised of,

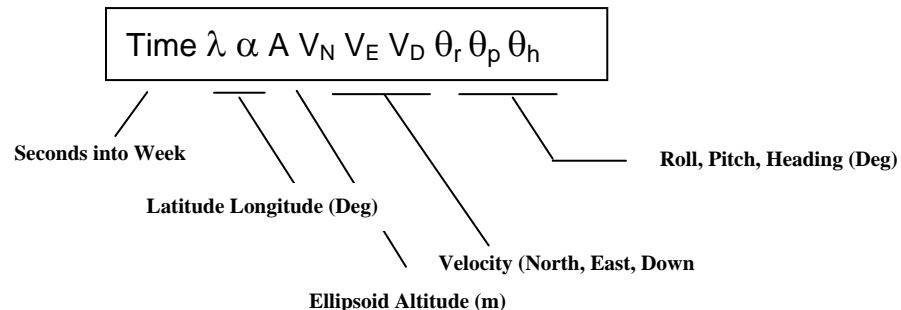




- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae J RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- LLA (T LLA V<sub>NEU</sub> θ):

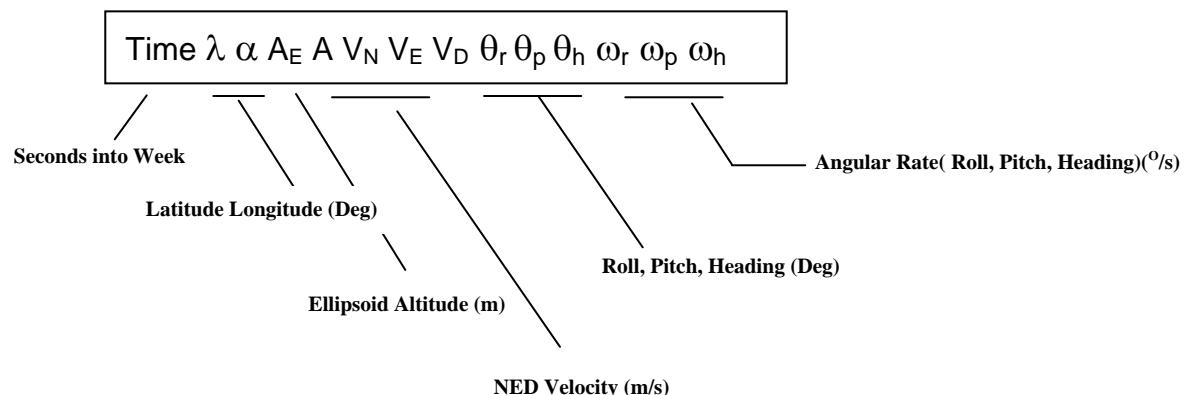
TRAJECTORY.TXT contains time sequential space delimited records comprised of,



- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae J RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- LLA (LLA V<sub>NED</sub> θ ω):

TRAJECTORY.TXT contains time sequential space delimited records comprised of,

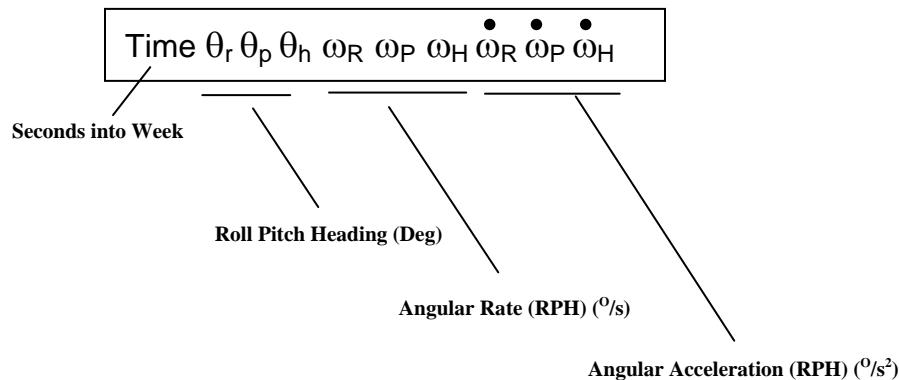




- ECEF Seconds X V RPH
- ECEF Week Seconds Xe Ve Ae J RPH AngRate AngAcc [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc

- RPH:

TRAJECTORY.TXT contains time sequential space delimited records comprised of,



- ECEF Seconds X V RPH
- ECEF Week Seconds [ ~ IMPORT ECEF]
- LLA Week Seconds [ ~ IMPORT GEO]
- LLA Seconds SoG CoG Vup
- LLA Seconds Vn RPH
- LLA Seconds Vn RPH AngRate
- RPH Seconds RPH AngRate AngAcc
- ECEF Antenna Lever Arm

- Antenna Lever Arm:

UELEVERARMV1/2.TXT contains time sequential space delimited records comprised of,

