

Console

De Psimu

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La version imprimable n'est plus prise en charge et peut comporter des erreurs de génération.
Veuillez mettre à jour les signets de votre navigateur et utiliser à la place la fonction d'impression par défaut de celui-ci.

Note : The content of the console has been changed since V11.6.x version.

This tab will contain alphanumeric output data displayed for each propagation. Basically, you will only have information as follows:

```
----- PSIMU -----
Propagation starts ...
Initial conditions:
Date (UTC): 2000-01-01T00:00:00.000
Frame: EME2000
Mass: 0.000 kg
Geocentric altitude: 621.864 km
Geodetic altitude: 621.864 km
Semi major axis: 7000.000 km
Eccentricity: 0.00000001
Inclination: 0.000 deg
RAAN: 112.312 deg
Argument of perigee: -112.312 deg
Mean anomaly: -0.000 deg
Final conditions:
Final Date (UTC): 2000-01-02T00:00:00.000
Propagation duration: 86400.000 s
Frame: EME2000
Mass: 0.000 kg
Geocentric altitude: 621.864 km
Geodetic altitude: 621.864 km
Semi major axis: 7000.000 km
Eccentricity: 0.00000001
Inclination: 0.000 deg
RAAN: 112.312 deg
Argument of perigee: -112.311 deg
Mean anomaly: -63.481 deg
Propagation ends
Computation time for propagation: 3.487 seconds
```

But if you activate the debug mode ...



... you will obtain more information for each output step as well as for each event:

```

----- PSIMU -----
Propagation starts ...
Initial conditions:
Date (UTC): 2000-01-01T00:00:00.000
Frame: EME2000
Mass: 0.000 kg
Geocentric altitude: 621.864 km
Geodetic altitude: 621.864 km
Semi major axis: 7000.000 km
Eccentricity: 0.00000001
Inclination: 0.000 deg
RAAN: 112.312 deg
Argument of perigee: -112.312 deg
Mean anomaly: -0.000 deg
Event #1: Propagation start event ; Date of event(UTC):
2000-01-01T00:00:00.000 ; dt: 0.000 s
Current date (UTC): 2000-01-01T00:00:00.000 ; dt: 00d00h00m0.000 s ;
alts: 621.864 km ; altg: 621.864 km
Current date (UTC): 2000-01-01T00:01:00.000 ; dt: 00d00h01m0.000 s ;
alts: 621.864 km ; altg: 621.864 km
Current date (UTC): 2000-01-01T00:02:00.000 ; dt: 00d00h02m0.000 s ;
alts: 621.864 km ; altg: 621.864 km
...
Current date (UTC): 2000-01-01T23:59:00.000 ; dt: 00d23h59m0.000 s ;
alts: 621.864 km ; altg: 621.864 km
Current date (UTC): 2000-01-02T00:00:00.000 ; dt: 01d00h00m0.000 s ;
alts: 621.864 km ; altg: 621.864 km
Event #2: Propagation end event on duration (86400.0s) ; Date of
event(UTC): 2000-01-02T00:00:00.000 ; dt: 86400.000 s
Final conditions:
Final Date (UTC): 2000-01-02T00:00:00.000
Propagation duration: 86400.000 s
Frame: EME2000
Mass: 0.000 kg
Geocentric altitude: 621.864 km
Geodetic altitude: 621.864 km
Semi major axis: 7000.000 km
Eccentricity: 0.00000001
Inclination: 0.000 deg
RAAN: 112.312 deg
Argument of perigee: -112.311 deg
Mean anomaly: -63.481 deg
Propagation ends
Computation time for propagation: 6.538 seconds
Récupérée de « http://psimu.cnes.fr/index.php?title=Console&oldid=1032 »

```

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