

Console

De Wiki

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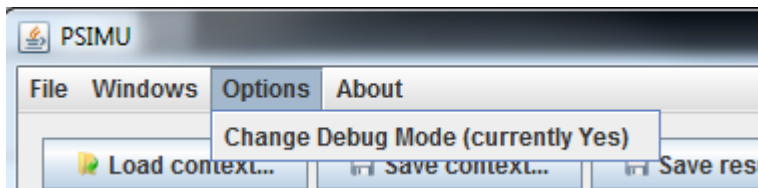
[Console](#)

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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