

# Printing

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.

Once the propagation done, it is possible to use some utilities methods to print results or store them in some files.

## Printing results

First, we can use the `printSV()` method as in this example :

```
test.printSV("BEGIN", iniOrbit, FramesFactory.getEME2000(), mm);
final SpacecraftState sc = test.propagateInSlaveMode();
test.printSV("END", sc.getOrbit(), FramesFactory.getEME2000(), mm);
```

This will display something like that ...

```
BEGIN
Frame          EME2000
Mass (kg)     1000.0
T (h)         1.4917487906426035
A (km)        6628.1370000000006
Ex            8.881784197001211E-16
Ey            -8.542591124194022E-23
Inc (deg)    51.59999810577826
Raan (deg)   7.714051151482253E-6
X (km)        6628.136999999962
Y (km)        4.69158061035269E-4
Z (km)        -5.339771250296284E-4
Vx (km/s)   1.4865627172522409E-7
Vy (km/s)   4.816905268016365
Vz (km/s)   6.077421519614858

END
Date (TAI)   2010-01-01T13:48:07.345
Frame          EME2000
Mass (kg)     1000.0
T (h)         1.3468381128010898
A (km)        6191.624504771174
Ex            -0.06671952301093685
Ey            -0.0300290461308641
Inc (deg)    51.59999810577824
Raan (deg)   7.714051168045088E-6
X (km)        2163.0125242789236
Y (km)        3798.414653291644
Z (km)        4792.405891341955
Vx (km/s)   -7.343036365577201
Vy (km/s)   1.3329935495415233
Vz (km/s)   1.6818204305631719
```

# Storing results

Another solution is to store results in **ASCII VTS** files when **PSIMU** is in master mode:

```
final Psimu psimu = new Psimu(iniOrbit, EARTH, integrationData, assembly,  
mm, forces, manSeq, seqAtt);  
  
final OutputConfig output = new OutputConfig(FramesFactory.getEME2000(),  
LOFType.LVLH, 86400.);  
psimu.propagateInMasterMode(output, null);  
psimu.saveVTSFiles("OUTPUT_JPSIMU", "test");
```

The last line of code will create **VTS** files (**VTS\_EPH\_test.txt**, **VTS\_EVE\_test.txt** and **VTS\_ATT\_test.txt**).

Récupérée de « <http://psimu.cnes.fr/index.php?title=Printing&oldid=379> »

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