

# Configuration

De Opera

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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.

This tab includes four kind of data.



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## Result type

The kind of computation is included in the following list:



- Reentry simulation : this mode is the most complete as it allows computing a reentry date after having estimated **S/M** and detecting maneuvers
- S/M estimation : this mode will estimate **S/M** and will detect maneuvers
- Manoeuvres detection : this mode will only detect maneuvers
- Manoeuvres Pdf report : this mode allows to create reports in Pdf format

## End of History



This data corresponds to the most recent date where to find **TLE**. Be careful that, due to some tuning (see specific parameter [here](#)), if the last available **TLE** is too old by comparizon to this date, **OPERA** will exit in error status.

## Duration



This data simply corresponds to the interval (in days) to consider **TLE** data.

# List of objects to study

The selection of objects to be studied can be made with different criteriae.

## Norad Id

We may directly enter the Norad Id by clicking on the **Add** button (with the possibility to enter several numbers if they are separated by blank characters: see, for example [here](#)). The selected objects will be displayed on the textarea just above.



Of course, there is the possibility to remove some of previously selected objects by using the **Remove** button

## Search By Sat

When using the **Search By Sat** fonctionnality, it will display this pop-up window:



*Note that to be able to access to these criteria, we must have a "satcat.csv" file available. This file may be downloaded via the [\[Space-Track site\]](#) and will be adressed with the **BD\_TLE\_SAT\_CAT\_PATH** variable in the **operaapp-configuration.properties** file (see [here](#)). By default, **OPERA** will search for a file already included in the jar but this file is not correctly up to date and is just here for test purpose*

Once defined the criteriae and after clicking on the **Search** button , the list of availbale objects is displayed. To finally select them, we have only to click on the **OK** button.

On the example below, this is the list of the ten first French objects not already reentered.



## Search By Orbital criteriae

When using the **Search By Orbit** fonctionnality, it will display this pop-up window:



*Note: in order to be able to search for satellites thanks to their orbital parameters, we need some mandatory files (at least one): inside a **tlesbyday/** subdirectory at least one **YEAR/DAY.2I** file (for example **2018/180.2I**) which contains for a specific day (with a date included in the min and max date), the last **TLE** for each object that has been updated during the last year and that is still in orbit as below ...*

```
2018-010F HUMANITY STAR      Launched 2018-01-21      Decayed
2018-03-22 (NZ)
RCS : Aucune valeur disponible
@ 18082.479
1 43168U 18010F 18081.42604271 .28808768 -13411-5 35134-2 0 9997
2 43168 82.8880 78.1866 0005783 272.9878 87.6140 16.36378329 9474
2011-077AC CZ-3B DEB Launched 2011-12-19 (PRC)
```

RCS : Aucune valeur disponible  
@ 18089.479  
1 40847U 11077AC 18083.02559661 .00000870 00000-0 13996-2 0 9998  
2 40847 26.1580 336.3063 7389646 313.2121 5.3501 2.08377530 23731  
...

Thus, it will be possible to choose criteria between:

- inclination
- orbit shape (semi-major axis and eccentricity or perigee and apogee altitude)
- date interval

## Global Criteriae

It will display both sat and orbital criteriae. In the example below, we can see the result of French objects, allways in orbit, with a perigee below below 150 km.



Récupérée de « <http://opera.cnes.fr/index.php?title=Configuration&oldid=378> »

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- La dernière modification de cette page a été faite le 24 septembre 2019 à 15:24.
- Cette page a été consultée 2 316 fois.

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