

Searching NoradIds

De Wiki

Aller à : [navigation](#), [rechercher](#)
[Searching NoradIds](#)

Aprt from the reentry estimation process, it is also possible to call some methods in order to filter Norad Ids. As with the **GUI** or the Batch mode (see [here](#) or [here](#)), two solutions are available:

Search by Sat

This is done using the [OperaTleManager.searchObjectsBySat\(\)](#) method:

```
// Opera properties configuration
final OperaAppConfigurationProperties operaAppConfigurationProperties =
OperaAppConfigurationProperties.getInstance();
operaAppConfigurationProperties.load("data/operaapp-configuration.properties"
);

final String filterNoradId = "*479";
final String filterCosparId = "*";
final String filterName = "DEL*";
final String filterCountry = "US";
final ArrayList<OperaTLESatSizes> validSizes = new
ArrayList<OperaTLESatSizes>();
validSizes.add(OperaTLESatSizes.MEDIUM);
validSizes.add(OperaTLESatSizes.SMALL);

final ArrayList<ObjTLESearch> list =
OperaTleManager.searchObjectsBySat(filterNoradId, filterCosparId, filterName,
filterCountry, validSizes, DecayChoice.REENTERED, null);

for ( ObjTLESearch obj : list ) {
    System.out.println(obj.getNoradId());
    System.out.println(obj.getCriteria());
}
```

Search by orbital criteriae

This is done using the [OperaTleManager.searchObjectsByDay\(\)](#) method:

```
// Opera properties configuration
final OperaAppConfigurationProperties operaAppConfigurationProperties =
OperaAppConfigurationProperties.getInstance();
operaAppConfigurationProperties.load("data/operaapp-configuration.properties"
);

// Adding the PATRIUS_DATASET
```

```

OperaReadUtils.iniPatriusDataset(null);

final TimeScale TUC = TimeScalesFactory.getUTC();

final boolean filterOnInc = false;
final boolean convertIToDeg = true;
final double filterIncMin = 0.;
final double filterIncMax = 0.;

final boolean isAEOrbit = false;

final boolean filterOnA = false;
final boolean convertAToKm = true;
final double filterAMin = 0.;
final double filterAMax = 0.;
final boolean filterOnEcc = false;
final double filterEccMin = 0.;
final double filterEccMax = 0.;

final boolean filterOnHp = false;
final boolean convertHpToKm = true;
final double filterHpMin = 0.;
final double filterHpMax = 0.;

final boolean filterOnHa = true;
final boolean convertHaToKm = true;
final double filterHaMin = 250.;
final double filterHaMax = 300.;

final AbsoluteDate filterDateMin = new
AbsoluteDate("1950-01-01T00:00:00.000", TUC);
final AbsoluteDate filterDateMax = new
AbsoluteDate("2019-09-02T00:00:00.000", TUC);

final ArrayList<ObjTLESearch> list = OperaTleManager.searchObjectsByOrb(
    filterOnInc, convertIToDeg, filterIncMin, filterIncMax,
    isAEOrbit,
    filterOnA, convertAToKm, filterAMin, filterAMax,
    filterOnEcc, filterEccMin, filterEccMax,
    filterOnHa, convertHaToKm, filterHaMin, filterHaMax,
    filterOnHp, convertHpToKm, filterHpMin, filterHpMax,
    filterDateMin, filterDateMax, null);

for ( ObjTLESearch obj : list ) {
    System.out.println(obj.getNoradId());
    System.out.println(obj.getCriteria());
}

```

Global search

This is done using the [OperaTleManager.searchObjectsBySatAndOrb\(...\)](#) method using all the previous arguments described above.

Récupérée de « http://opera.cnes.fr/index.php?title=Searching_NoradIds&oldid=450 »

Menu de navigation

Outils personnels

- [10.23.10.23](#)
- [Discussion avec cette adresse IP](#)
- [Créer un compte](#)
- [Se connecter](#)

Espaces de noms

- [Page](#)
- [Discussion](#)

Variantes

Affichages

- [Lire](#)
- [Voir le texte source](#)
- [Historique](#)
- [Exporter en PDF](#)

Plus

Rechercher

<input type="text"/>	<input type="button" value="Rechercher"/>	<input type="button" value="Lire"/>
----------------------	---	-------------------------------------

OPERA

- [Welcome](#)
- [Quick start](#)
- [News](#)

GUI Mode

- [Overall presentation](#)
- [Operaapp configuration file](#)
- [Configuration panel](#)
- [Solar activity panel](#)
- [Parameters panel](#)
- [Console panel](#)
- [Result files](#)
- [Plots panel](#)

Batch mode

- [How to call it](#)

Java interface

- [Basic principle](#)
- [Reentry or S/M Estimation](#)
- [Maneuvers Estimation and Pdf report](#)
- [Searching Norad Ids](#)
- [Tutorials](#)

Evolutions

- [Main differences between V7.2.3 and V7.2.4](#)
- [Main differences between V7.2.2 and V7.2.3](#)
- [Main differences between V7.2.1 and V7.2.2](#)
- [Main differences between V7.2 and V7.2.1](#)

Documentation

- [Conference Papers](#)

Links

- [CNES freeware server](#)

Outils

- [Pages liées](#)
- [Suivi des pages liées](#)
- [Pages spéciales](#)
- [Adresse de cette version](#)
- [Information sur la page](#)

- [Citer cette page](#)
- Dernière modification de cette page le 21 janvier 2020 à 08:46.
- [Politique de confidentialité](#)
- [À propos de Wiki](#)
- [Avertissements](#)
- 