

Reentry or S/M Estimation

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Reentry date estimation

To compute an estimation of the reentry date, after initialization as described [here](#), we must call for the `estimateReentry()` method given a list of **TLE** as input ...

```
// Reentry estimation computation
final OperaReentryResult result = simulation.estimateReentry(tles);
```

Then, we will just have to call for the right "getter" methods as in the example below.

```
System.out.println("Reentry date with " + historyDuration + " days interval: "
    + result.getReentryDate());
System.out.println("Error estimation: " + result.getErrorEstimationDays() +
    "days");
System.out.println("Estimated S/M: " + result.getSmDragRefined() + "m2/kg");
```

S/M estimation

As for the Reentry date computation, we have to initialize as described [here](#) then calling the `estimateInitialSm()` method given a list of **TLE** as input ...

```
// S/M estimation computation
final OperaReentryResult result = simulation.estimateInitialSm(tles);
```

Then, we will just have to call for the right "getter" methods as in the example below.

```
System.out.println("A priori S/m: " + result.getSmDragApriori());
System.out.println("Refined S/m: " + result.getSmDragRefined());
```

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