



SATURN ELEVEN – Version 11.3.12U

This SATURN 11.3.12U release (November 2015) is a revision to the original April 2015 released 11.3.12F with some logical corrections, and is provided effectively as a replacement to 11.3.12F (with/without Update 1 applied).

SATURN 11.3.12U is expected to provide **identical** numerical **assignment** and **output** results to 11.3.12F. In all SATURN test networks where the original 11.3.12F completed successfully, no differences have been found. However, in cases where assignment or analysis previously failed, the latest 11.3.12U may now run.

Therefore 11.3.12U can be used as a replacement for the original release, and results from the original 11.3.12F runs may be safely used with outputs from this version.

Note that some of the bugs identified would in a perfect correction cause numbers to change, and those corrections will be incorporated in the next full release. However, this "U" release has been created as several major models have recently been developed using 11.3.12F and the approximations made in fixing the bugs without changing the basic numbers can be judged to be "proportionate" compared with re-running all the forecasts.

The principal differences between 11.3.12F (April 2015) and 11.3.12U (November 2015) are as follows:

- ◆ Incorporate the changes introduced with 'Update 1' released in June 2015.
- ◆ Subsume all 11.3.12 updates accumulated to early November 2015 including:
 - ◆ SATALL – corrections to prevent several exception errors reported by users;
 - ◆ P1X – various revisions to enable 8-digit node numbers to be used;
 - ◆ SATDB – further corrections to enable Centroid Connector data from CSV files to be read-in under Miscellaneous Link Data Entry; and
 - ◆ MX – correction to enable the matrix graphic options to function.
- ◆ Increases in the maximum number of counts and constraints that may be accommodated in Levels S to N2.

Further details are available in the attached App E-Latest.pdf

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