Financial Securitizer

Financial Engineering Tool for Fixed Income Structured Products

Introducing Financial Securitizer

- Financial Securitizer is a powerful application designed for any level professional to model and analyze commercial and residential mortgage-backed and general asset-backed securities.

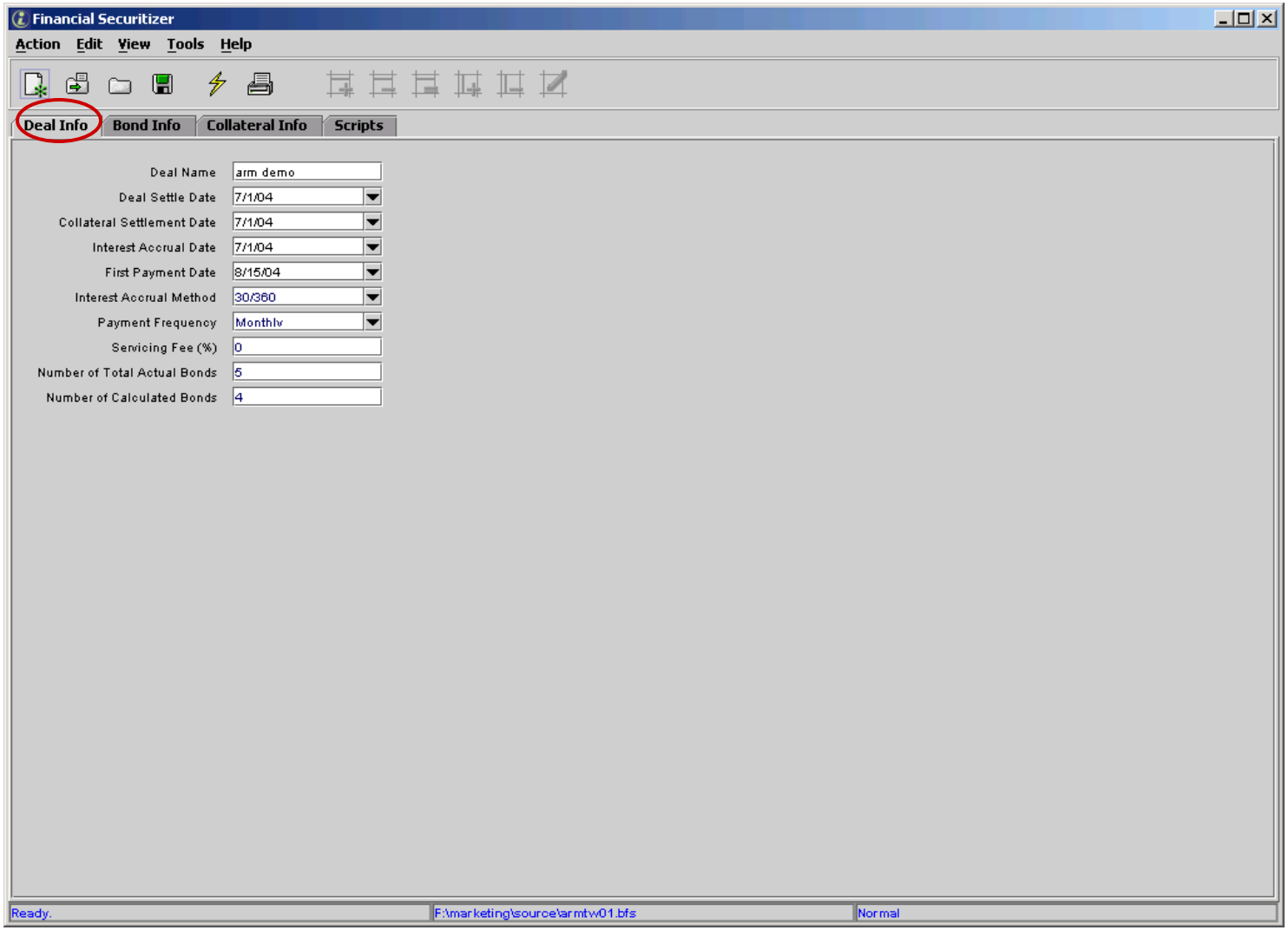
- Due to its flexibility, the system can handle a wide range of processes, including structuring and issuance, reverse engineering, secondary market valuation, and analysis.

How It Works

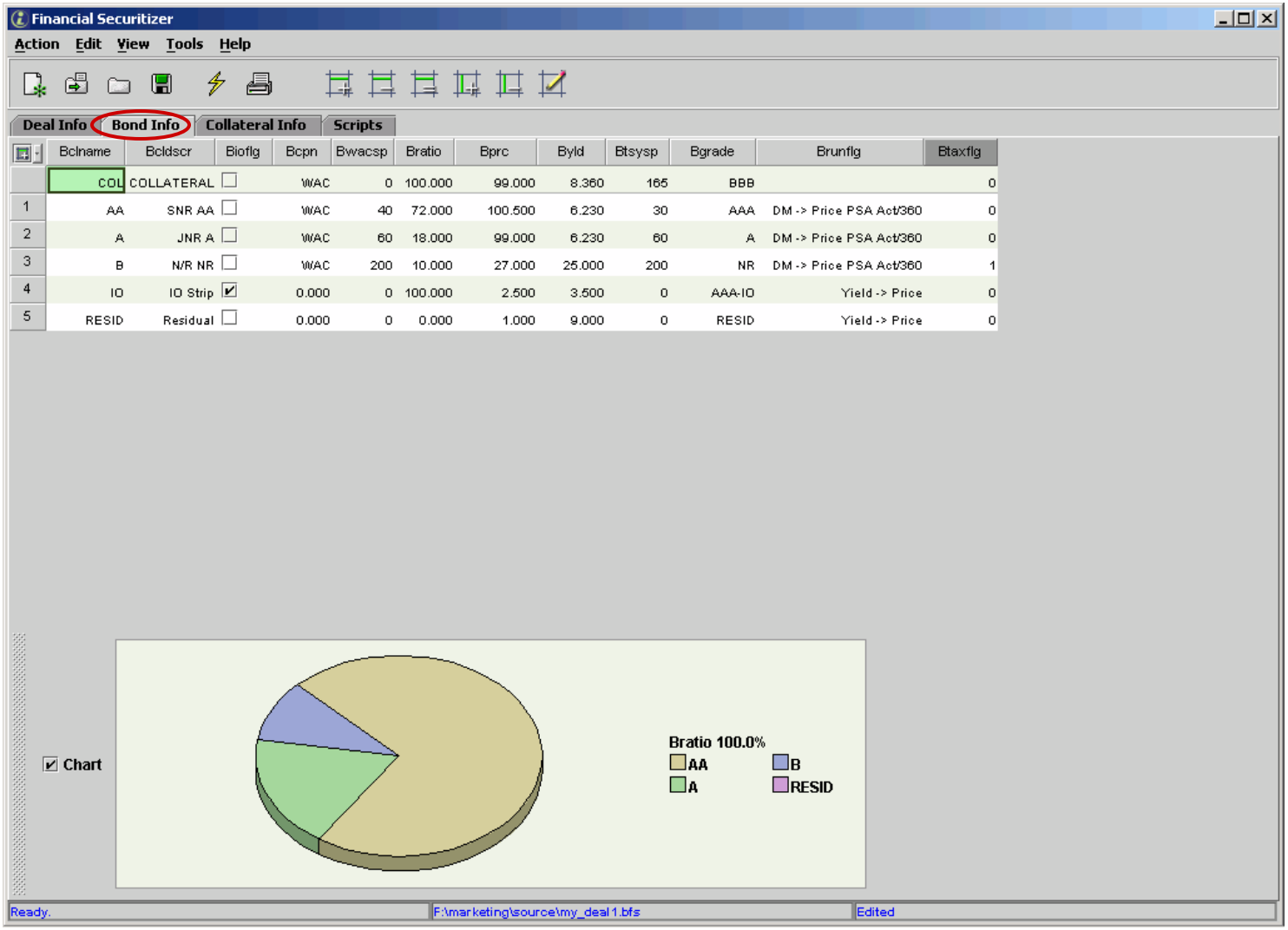
- To describe the collateral and bond behavior, user-specified data and rules are collected by the application as input parameters.

- Based on these scenario inputs, Financial Securitizer will be able to generate collateral and its bond cash-flow as well as any specified analytical results, such as the price/yield table or pricing report.

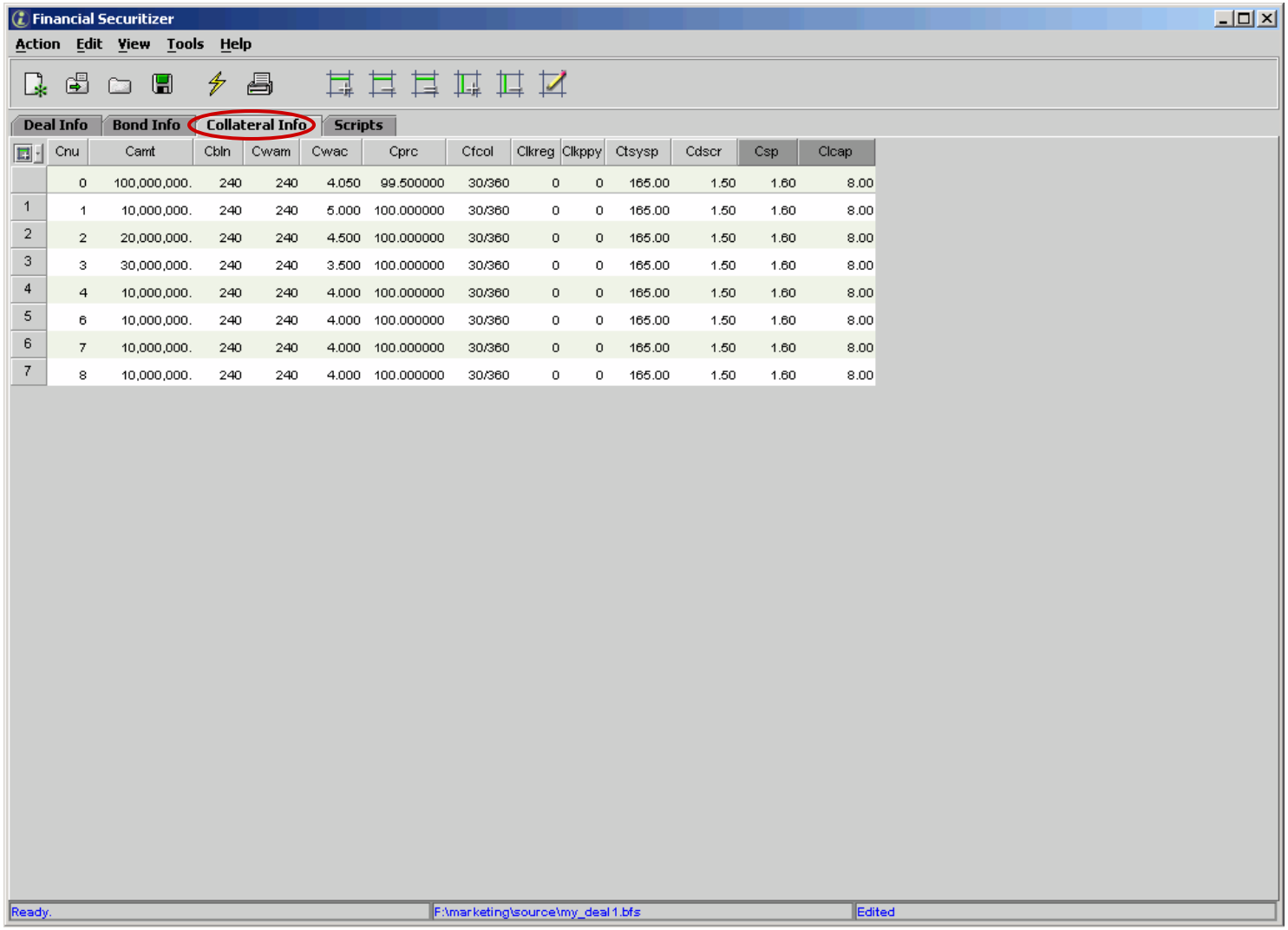
- Each deal is defined under four main sections, which are separated into tabs in the user interface: the **Deal Info, Bond Info, Collateral Info,** and **Scripts.**



'**Deal Info**' contains general information about the overall deal structure, such as the dates the deal is scheduled to start, the payment frequency of the bonds, and the number of actual bonds issued.

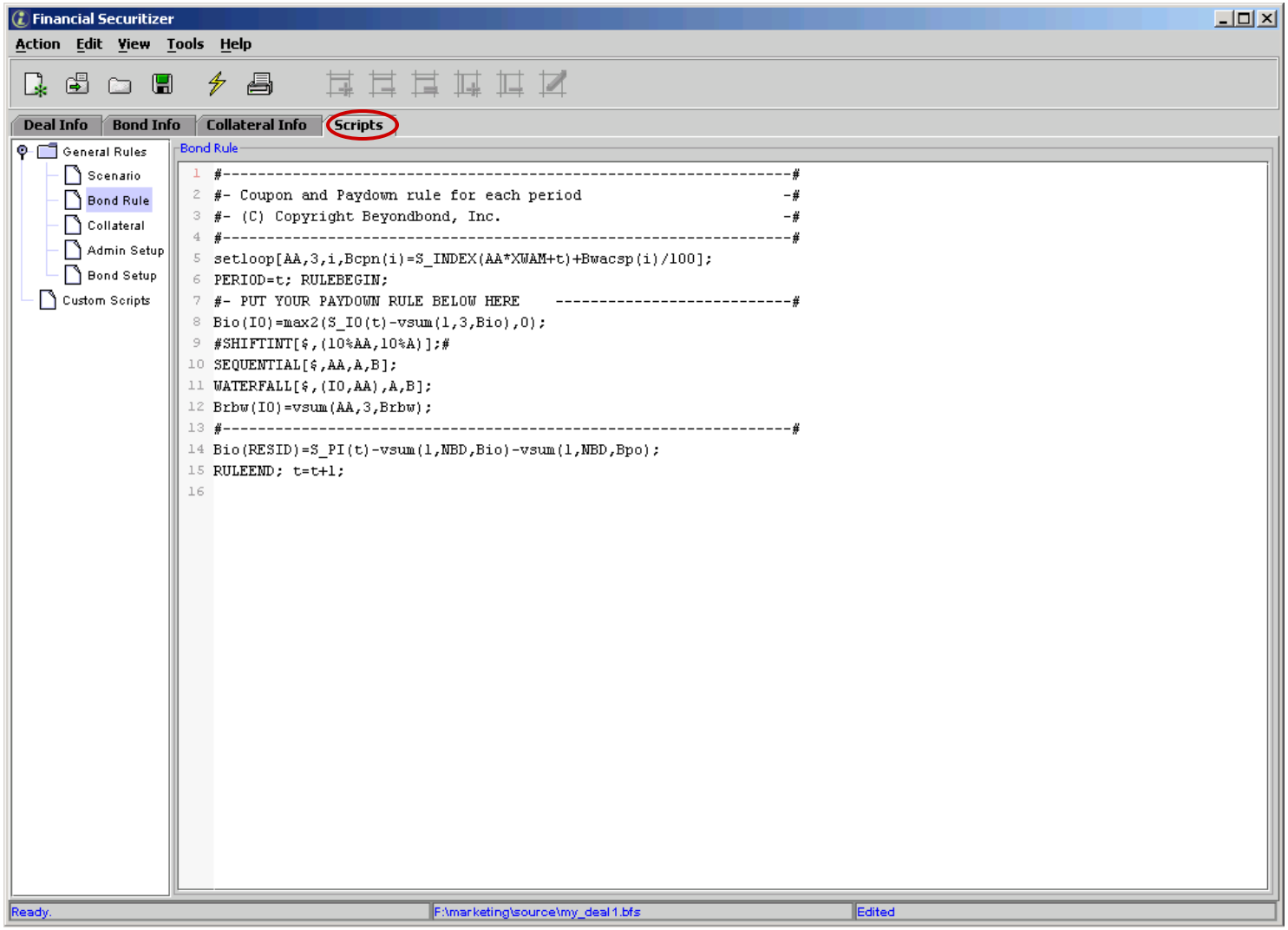


'**Bond Info**' allows users to quickly list and describe the bonds to be created.



	Cnu	Camt	Cbln	Cwam	Cwac	Cprc	Cfcol	Clkreg	Clkppy	Ctsysp	Cdscr	Csp	Clcap
	0	100,000,000.	240	240	4.050	99.500000	30/360	0	0	165.00	1.50	1.60	8.00
1	1	10,000,000.	240	240	5.000	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
2	2	20,000,000.	240	240	4.500	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
3	3	30,000,000.	240	240	3.500	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
4	4	10,000,000.	240	240	4.000	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
5	6	10,000,000.	240	240	4.000	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
6	7	10,000,000.	240	240	4.000	100.000000	30/360	0	0	165.00	1.50	1.60	8.00
7	8	10,000,000.	240	240	4.000	100.000000	30/360	0	0	165.00	1.50	1.60	8.00

'**Collateral Info**' describes the collateral data set used. Input columns include term, amortization period, amount, coupon, price, prepayment lockout features, and day count.

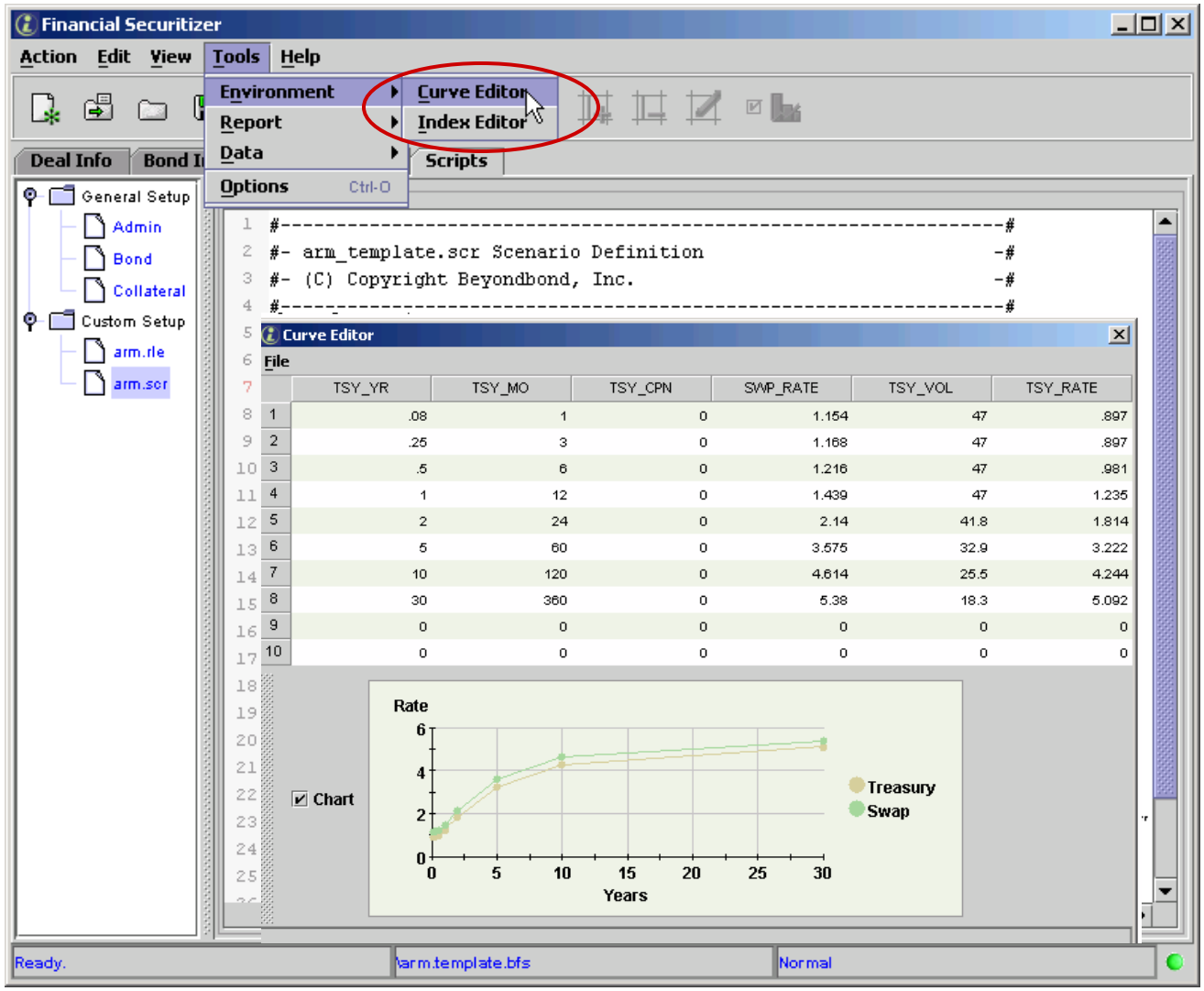


'**Scripts**' contains sets of business rules that describe the structured transaction. These rules, combined with bond and collateral data, will allow users to create structures that suit everyone's needs. A 'Custom Scripts' section enables users to extend the business logic.

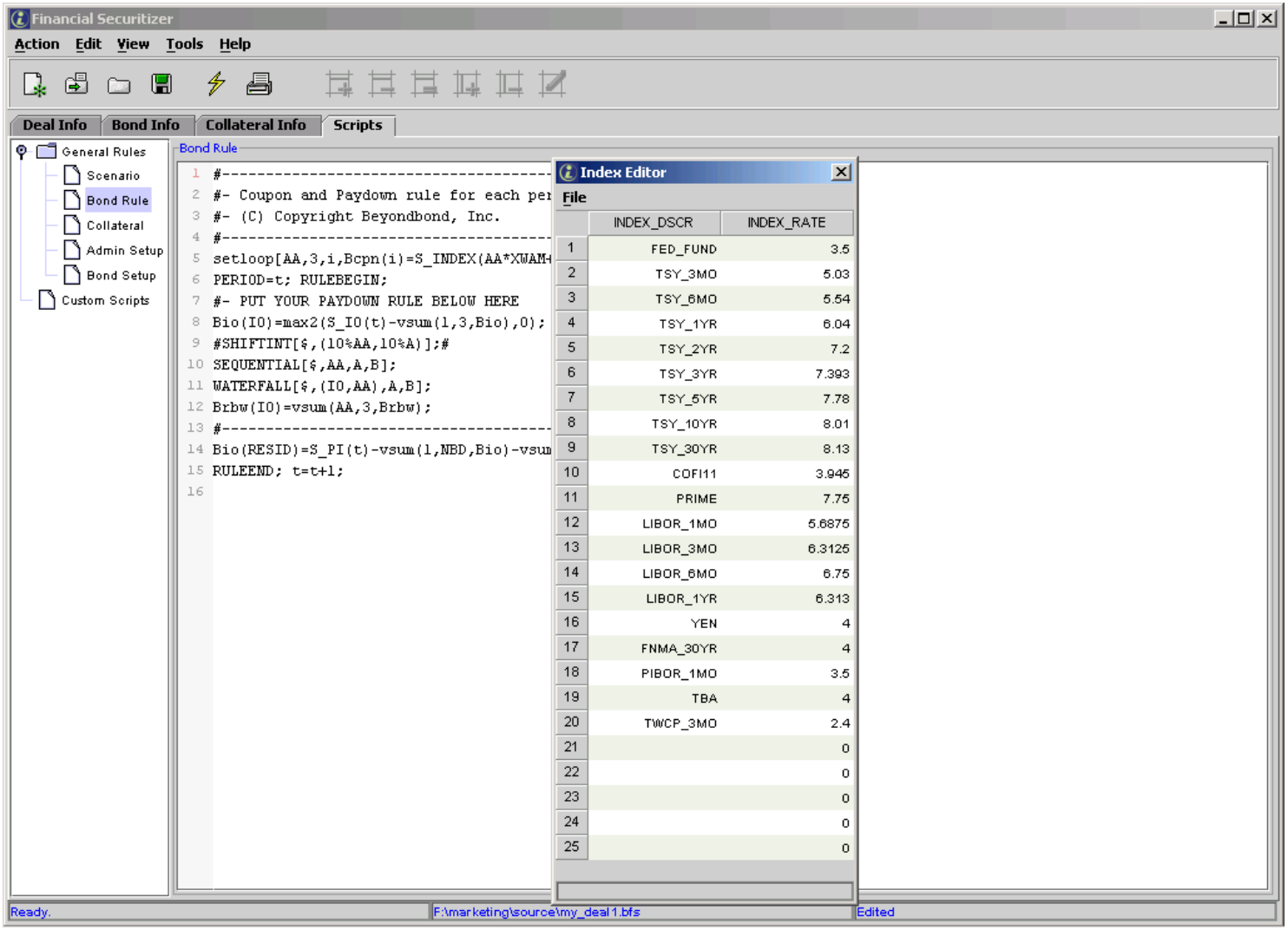
Supporting Features

To increase the system's functionality, the 'Tools' menu contains a series of supporting actions:

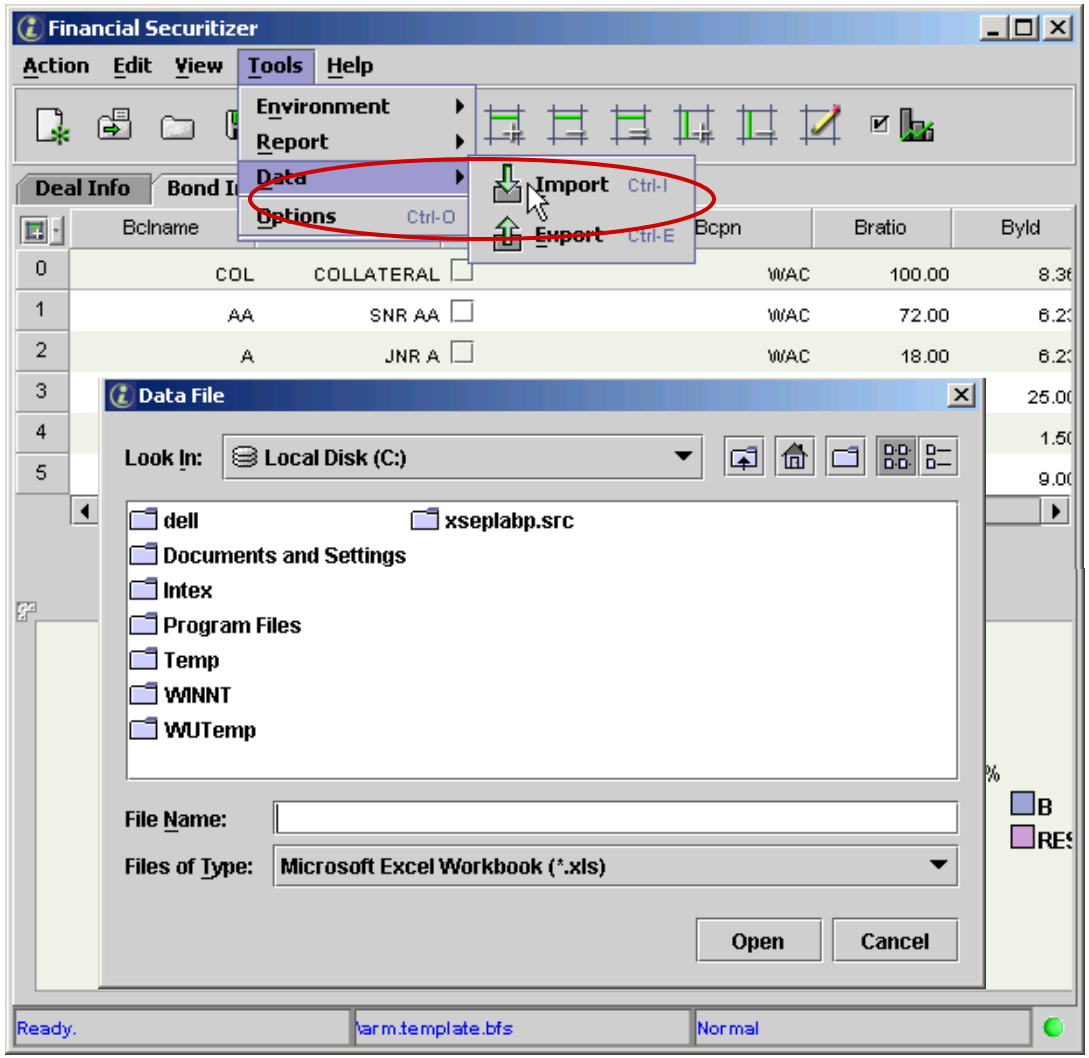
- the **Environment Editor**, featuring the Curve Editor and the Index Editor.
- the **Report Selector**, allowing users to select the desired type of report.
- the **MS Excel Data Import/Export** feature**,** applicable to both Bond Info and Collateral Info.
- the **Options** feature, controlling the general state of the application.



The ‘Curve Editor’ allows users to set the Pricing Yield Curve for deal analysis.



Users can set the various indexes to be used via the ‘Index Editor’. Multi-indices are possible with the Financial Securitizer.



The ‘Data Import’ function enables users to import large amounts of data, thus helping to save time, reduce errors, and improve overall efficiency.

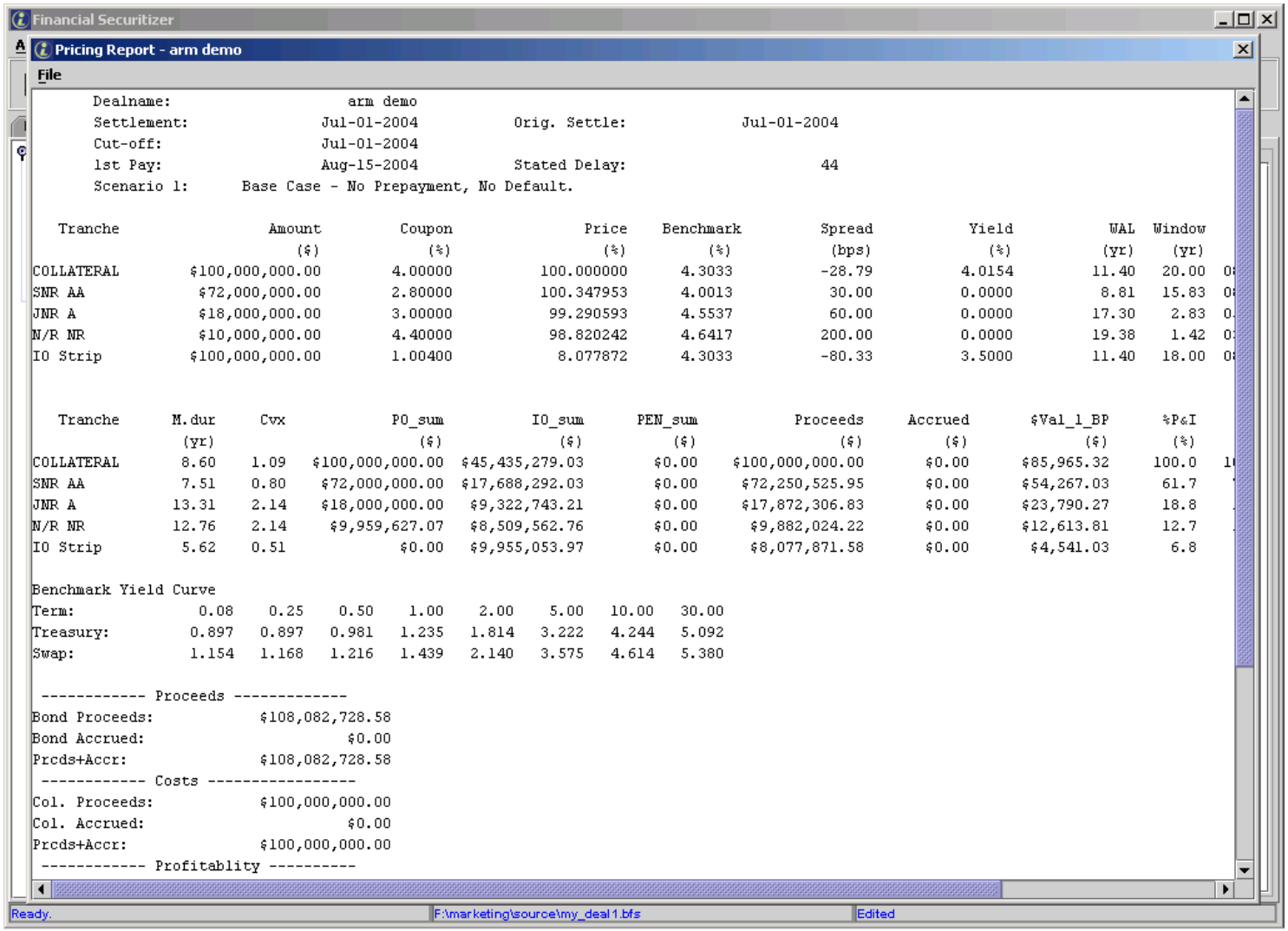
Generating Reports with Financial Securitizer

A Complete Reporting Solution for Completing a Deal

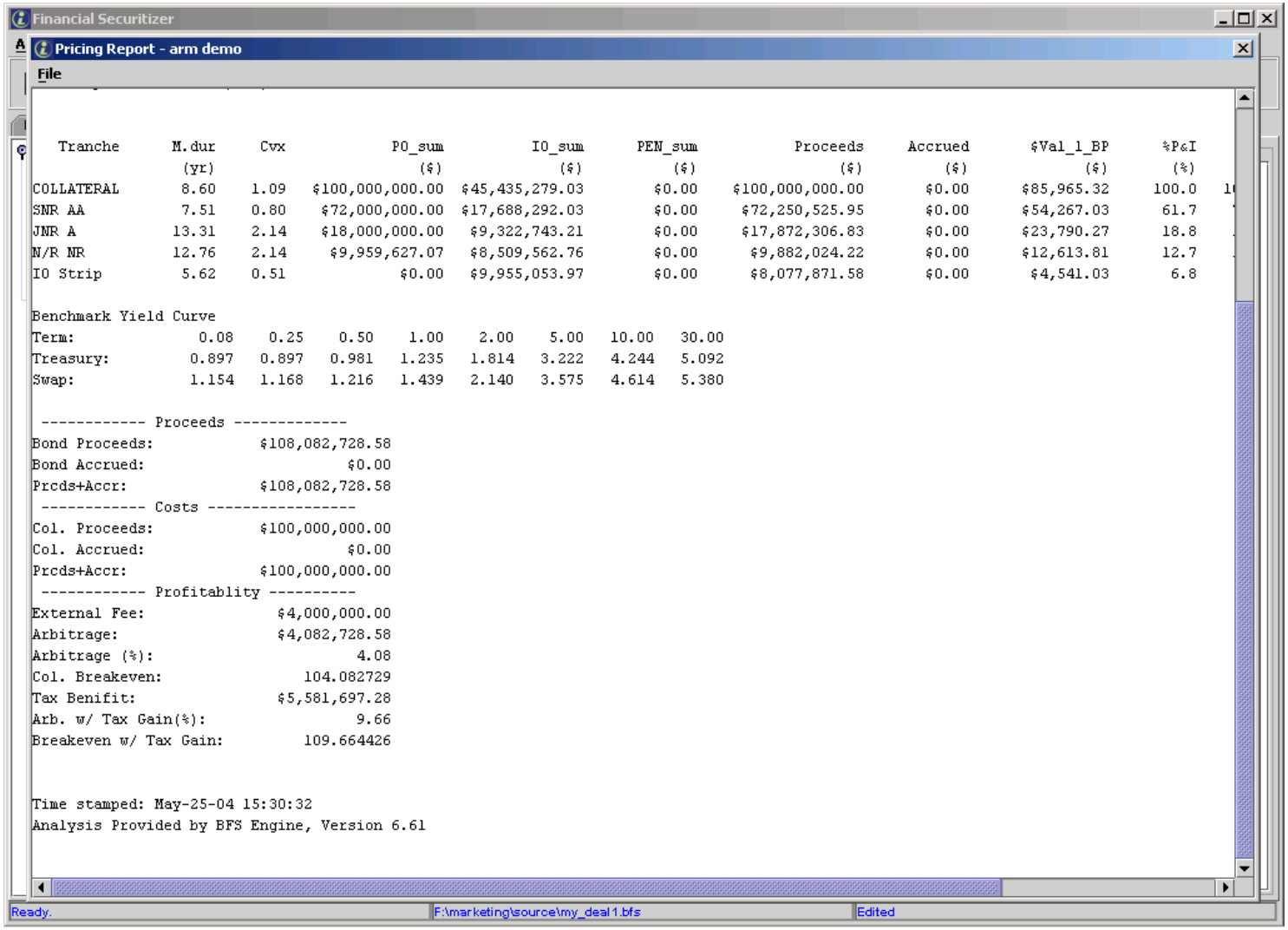
- Financial Securitizer provides four types of reports for primary securitization: Pricing Report, Price/Yield Table, Cash Flow Table, and Decrement (DEC) Table.

- Each report is time-stamped and lists the scenario and market environment used to build it.

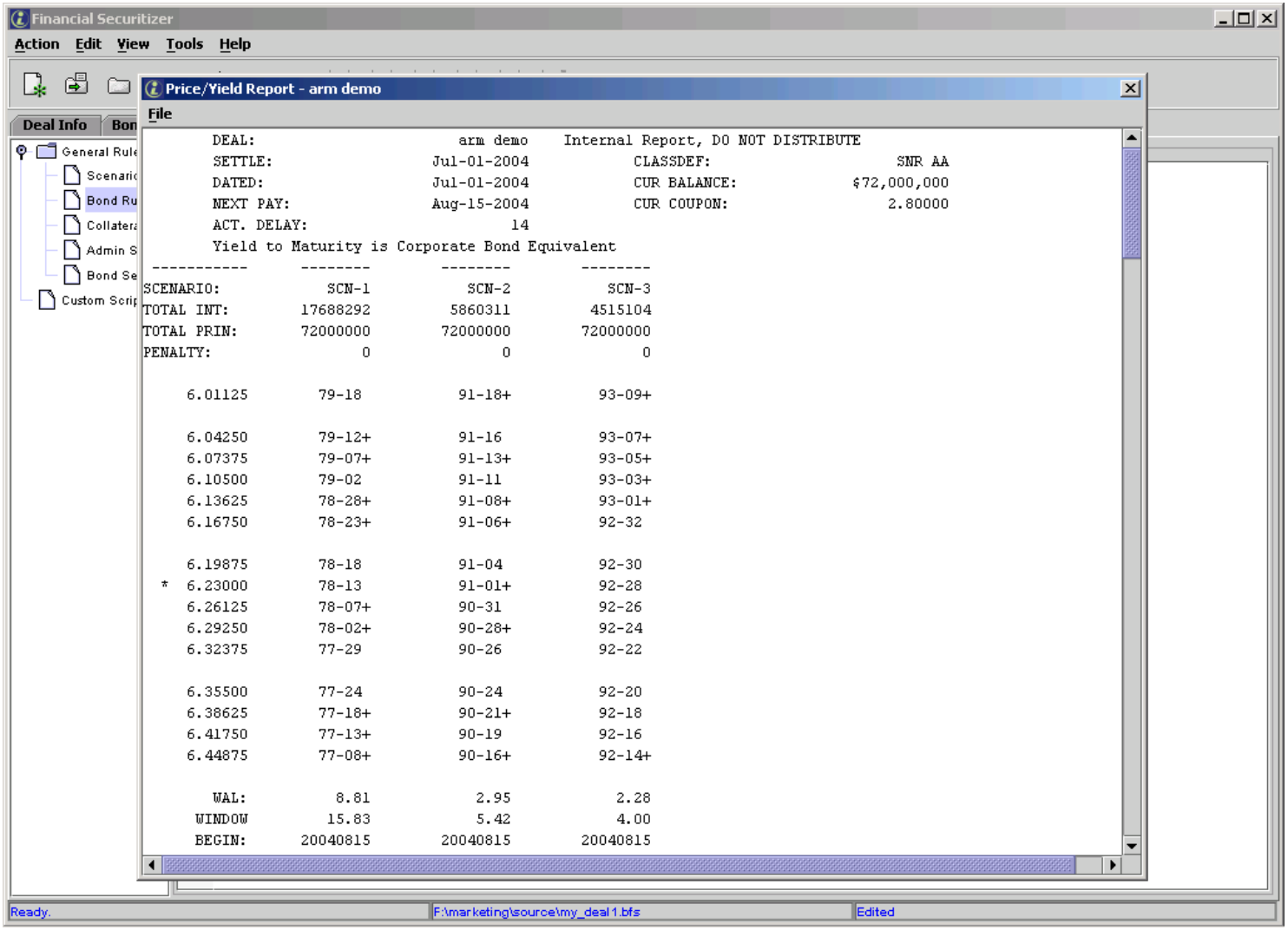
- All of the reports can be saved and printed. In addition, cash flows can be exported to Microsoft Excel for further analysis.



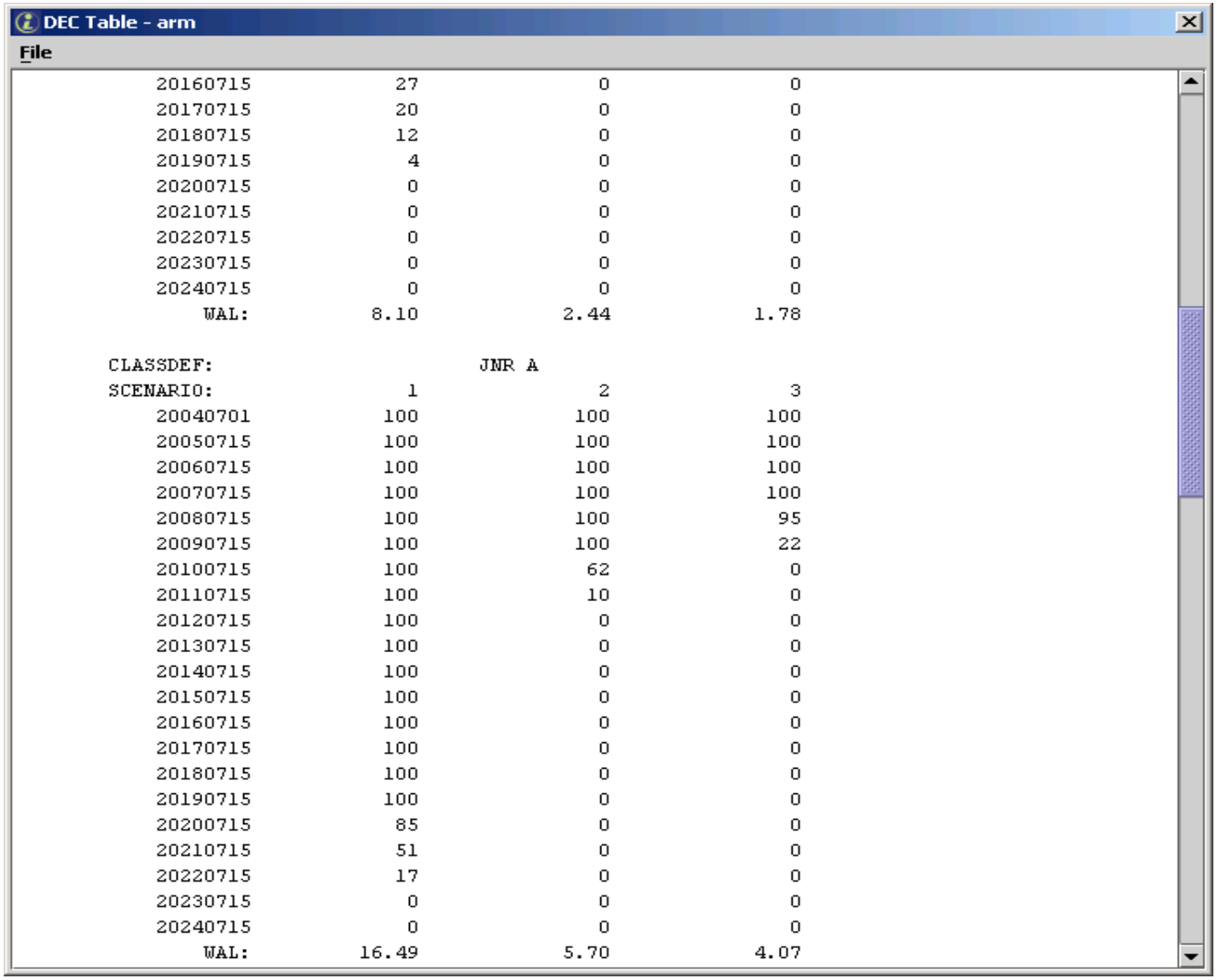
The ‘Pricing Report’ allows users to compare and debug the structure and the behavior of the deal. Bond pricing information, total proceeds…



… and transaction costs are calculated to give users a Profit/Loss analysis. Each run of the deal creates a different report.



Users can also generate the Price/Yield Table, a multi-scenario table report where each column is executed with a different scenario. This is a Price/Yield Table generated with three scenarios.

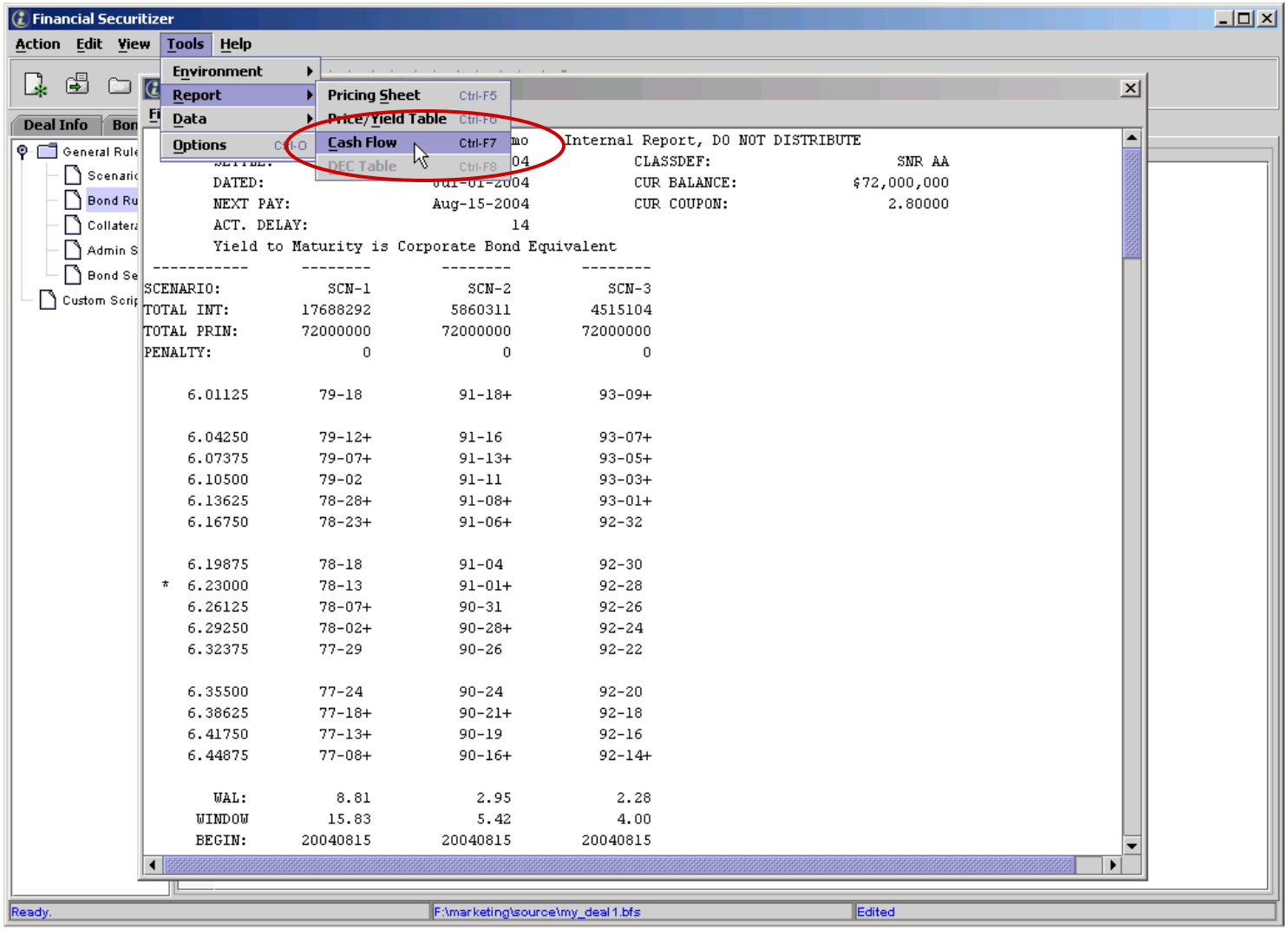


DEC Table - arm

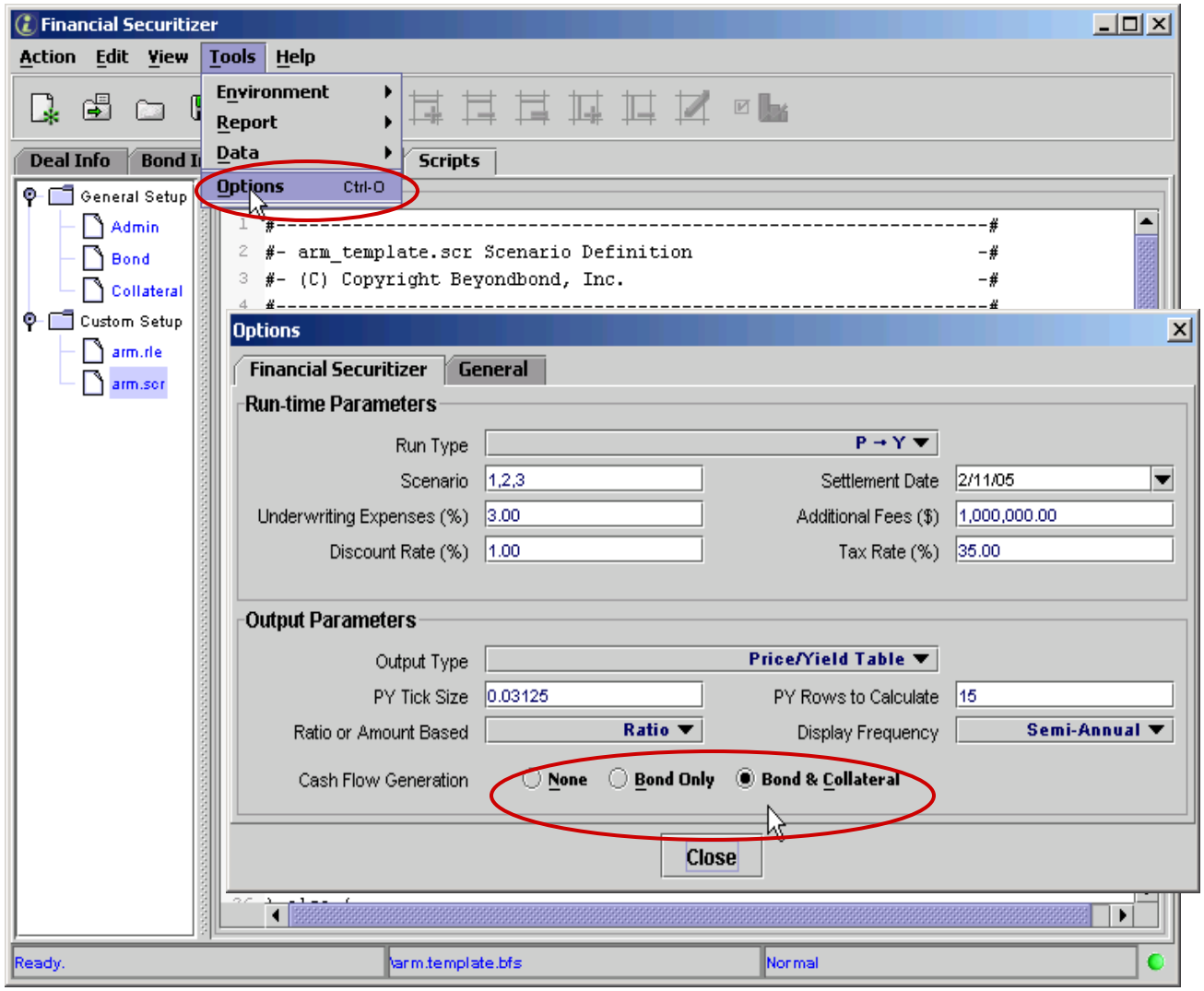
File

20160715	27	0	0
20170715	20	0	0
20180715	12	0	0
20190715	4	0	0
20200715	0	0	0
20210715	0	0	0
20220715	0	0	0
20230715	0	0	0
20240715	0	0	0
WAL:	8.10	2.44	1.78
CLASSDEF:		JNR A	
SCENARIO:	1	2	3
20040701	100	100	100
20050715	100	100	100
20060715	100	100	100
20070715	100	100	100
20080715	100	100	95
20090715	100	100	22
20100715	100	62	0
20110715	100	10	0
20120715	100	0	0
20130715	100	0	0
20140715	100	0	0
20150715	100	0	0
20160715	100	0	0
20170715	100	0	0
20180715	100	0	0
20190715	100	0	0
20200715	85	0	0
20210715	51	0	0
20220715	17	0	0
20230715	0	0	0
20240715	0	0	0
WAL:	16.49	5.70	4.07

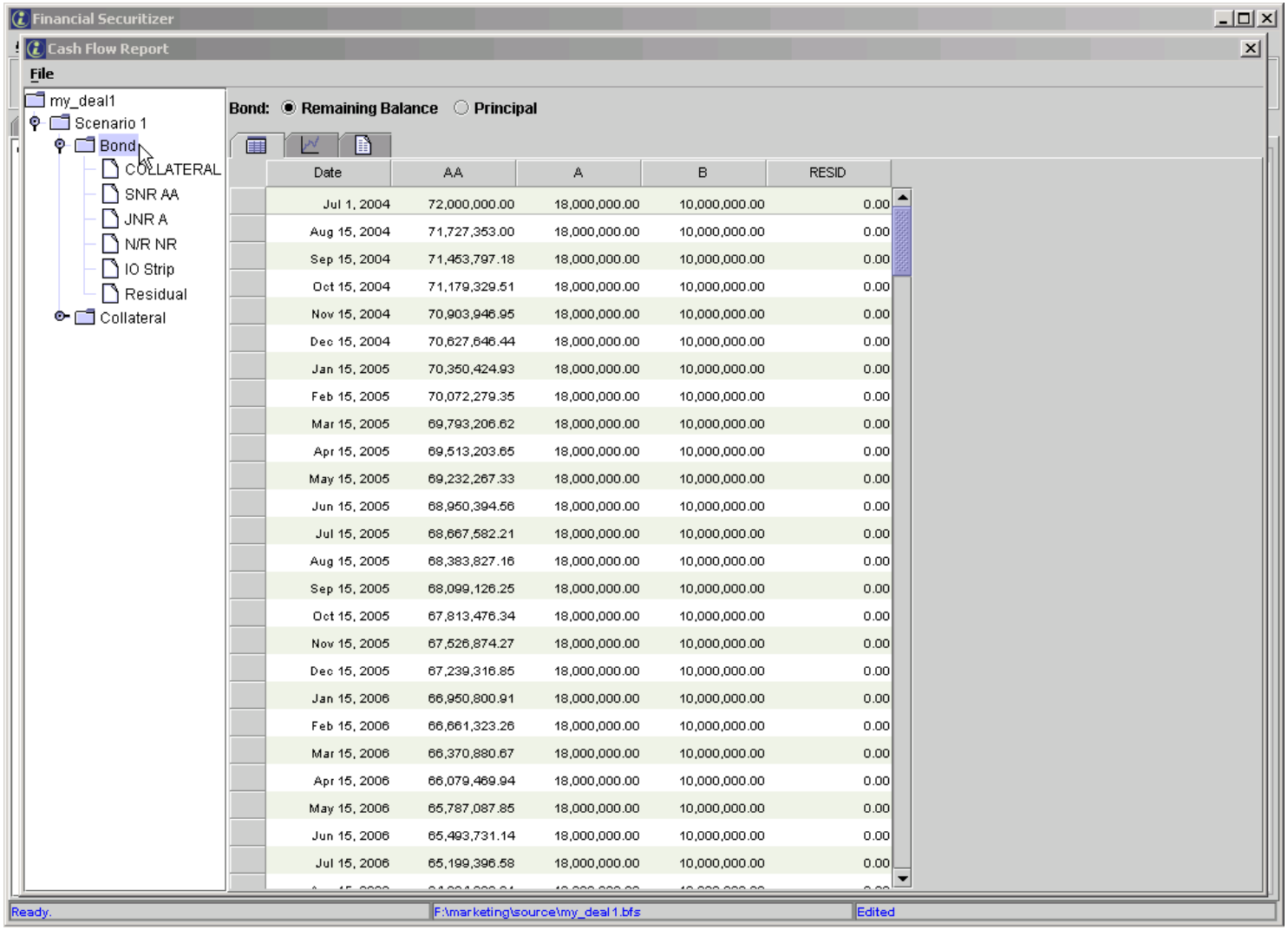
The Decrement (DEC) Table shows the remaining balances represented in percentages of their starting balance. This report is used by underwriters to include in the prospectus.



The Cash Flow reports enable users to see how each bond and collateral pay down during their life. The Cash Flow Table becomes a useful marketing report and an invaluable debugging tool.

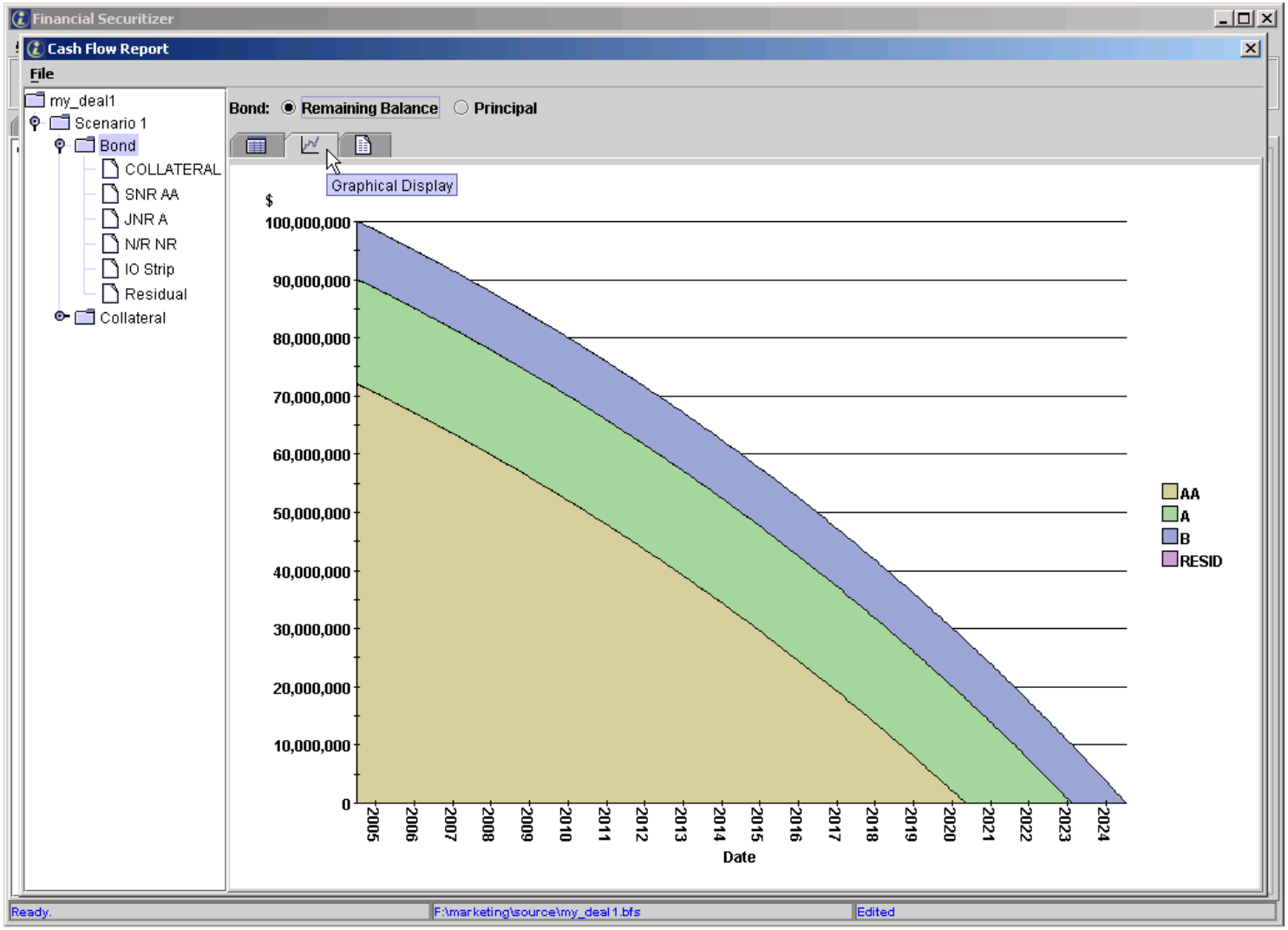


Since generating cash flows takes a little more time than the other reports, users are given a choice whether to create them or not. This feature can be turned on or off from the 'Options' dialog.



Date	AA	A	B	RESID
Jul 1, 2004	72,000,000.00	18,000,000.00	10,000,000.00	0.00
Aug 15, 2004	71,727,353.00	18,000,000.00	10,000,000.00	0.00
Sep 15, 2004	71,453,797.18	18,000,000.00	10,000,000.00	0.00
Oct 15, 2004	71,179,329.51	18,000,000.00	10,000,000.00	0.00
Nov 15, 2004	70,903,946.95	18,000,000.00	10,000,000.00	0.00
Dec 15, 2004	70,627,646.44	18,000,000.00	10,000,000.00	0.00
Jan 15, 2005	70,350,424.93	18,000,000.00	10,000,000.00	0.00
Feb 15, 2005	70,072,279.35	18,000,000.00	10,000,000.00	0.00
Mar 15, 2005	69,793,206.62	18,000,000.00	10,000,000.00	0.00
Apr 15, 2005	69,513,203.65	18,000,000.00	10,000,000.00	0.00
May 15, 2005	69,232,267.33	18,000,000.00	10,000,000.00	0.00
Jun 15, 2005	68,950,394.56	18,000,000.00	10,000,000.00	0.00
Jul 15, 2005	68,667,582.21	18,000,000.00	10,000,000.00	0.00
Aug 15, 2005	68,383,827.16	18,000,000.00	10,000,000.00	0.00
Sep 15, 2005	68,099,126.25	18,000,000.00	10,000,000.00	0.00
Oct 15, 2005	67,813,476.34	18,000,000.00	10,000,000.00	0.00
Nov 15, 2005	67,526,874.27	18,000,000.00	10,000,000.00	0.00
Dec 15, 2005	67,239,316.85	18,000,000.00	10,000,000.00	0.00
Jan 15, 2006	66,950,800.91	18,000,000.00	10,000,000.00	0.00
Feb 15, 2006	66,661,323.26	18,000,000.00	10,000,000.00	0.00
Mar 15, 2006	66,370,880.67	18,000,000.00	10,000,000.00	0.00
Apr 15, 2006	66,079,469.94	18,000,000.00	10,000,000.00	0.00
May 15, 2006	65,787,087.85	18,000,000.00	10,000,000.00	0.00
Jun 15, 2006	65,493,731.14	18,000,000.00	10,000,000.00	0.00
Jul 15, 2006	65,199,396.58	18,000,000.00	10,000,000.00	0.00

Cash flow summaries for bonds and collaterals …



… and the corresponding graphs can be generated to see the effects of payments.

Why Financial Securitizer

- **Live and Dynamic Information**
  - As part of Beyondbond's web-enabled i-Platform, Financial Securitizer allows users in geographically dispersed locations to access the same system in real-time.

- **Comprehensive yet Easy-to-learn Transaction Modeling**
  - Financial Securitizer uniquely conveys our specialists' in-depth expertise in ABS, MBS, and structured product modeling.

Why Financial Securitizer (cont.)

- **Convenience and Flexibility**
  - Its advanced user interface makes Financial Securitizer easy to navigate, while the supporting tools allow users to extend their analysis.
- **Seamless Integration**
  - Financial Securitizer fully integrates with any user's transaction modeling tools and can be customized to best meet our clients' specific needs.
- **New Business Capabilities**
  - Financial Securitizer handles all types of collaterals, so, as your portfolio grows, this system will grow with your organization.

Who We Are

- New York-based, securitization consultant and fixed income solutions and technology provider
- Former investment bankers with extensive structured finance experience
- Specialists in business integration, fixed income real-time trading, and structured finance transaction

For Additional Information or Live Demo on Financial Securitizer

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