



PPL companies

Mr. Jeff DeRouen
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

RECEIVED

DEC 19 2011

PUBLIC SERVICE
COMMISSION

LG&E and KU Energy LLC
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

December 19, 2011

Rick E. Lovekamp
Manager Regulatory Affairs
T 502-627-3780
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rick.lovekamp@lge-ku.com

RE: *Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for a Certificate of Public Convenience and Necessity and Site Compatibility Certificate for the Construction of a Combined Cycle Combustion Turbine at the Cane Run Generating Station and the Purchase of Existing Simple Cycle Combustion Turbine Facilities from Bluegrass Generation Company, LLC in LaGrange, Kentucky*
Case No. 2011-00375

Dear Mr. DeRouen:

Please find enclosed and accept for filing an original and ten copies of Louisville Gas and Electric Company and Kentucky Utilities Company's Joint Response to the Sierra Club and Natural Resources Defense Council First Set of Requests dated November 22, 2011, in the above-referenced docket.

Also enclosed are an original and ten copies of a Joint Petition for Confidential Protection and Deviation from Filing Requirements for certain responses as identified in the petition.

The verification page for Gary H. Revlett will be filed by December 30, 2011.

Should you have any questions regarding the enclosed, please do not hesitate to contact me.

Sincerely,

Rick E. Lovekamp

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

JOINT APPLICATION OF LOUISVILLE GAS AND)
ELECTRIC COMPANY AND KENTUCKY UTILITIES)
COMPANY FOR A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY AND SITE)
COMPATIBILITY CERTIFICATE FOR THE)
CONSTRUCTION OF A COMBINED CYCLE) CASE NO. 2011-00375
COMBUSTION TURBINE AT THE CANE RUN)
GENERATING STATION AND THE PURCHASE OF)
EXISTING SIMPLE CYCLE COMBUSTION TURBINE)
FACILITIES FROM BLUEGRASS GENERATION)
COMPANY, LLC IN BUCKNER, KENTUCKY)

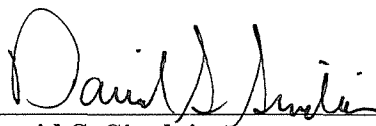
JOINT RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY
TO THE SIERRA CLUB AND NATURAL RESOURCES DEFENSE COUNCIL
FIRST SET OF REQUESTS FOR INFORMATION
DATED NOVEMBER 22, 2011

FILED – DECEMBER 19, 2011

VERIFICATION

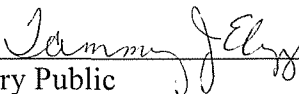
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **David S. Sinclair**, being duly sworn, deposes and says that he is Vice President, Energy Marketing for Kentucky Utilities Company and Louisville Gas and Electric Company and an employee of LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



David S. Sinclair

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 19th day of December 2011.

 (SEAL)

Notary Public

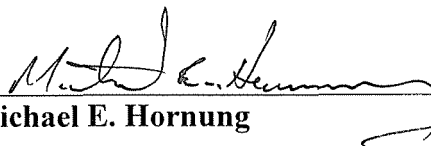
My Commission Expires:

November 9, 2014

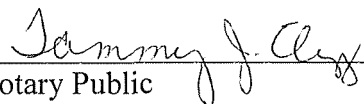
VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Michael E. Hornung**, being duly sworn, deposes and says that he is Manager of Energy Efficiency Planning & Development for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.


Michael E. Hornung

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 19th day of December 2011.

 (SEAL)
Notary Public

My Commission Expires:

November 9, 2014

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 1

Witness: Lonnie E. Bellar

- Q-1. Produce all discovery responses from the Companies to any other party in this proceeding.
- A-1. On December 15, 2011, the Companies sent out via overnight carrier to counsel for Sierra Club and Natural Resources Defense Council a redacted copy of the responses to the Commission's first and second requests for information.

In addition, copies of the confidential data that was the subject of the Petitions for Confidential Protection submitted by the Companies on September 15, 2011 and November 9, 2011 were also provided to the counsel for the Sierra Club and Natural Resources Defense Council after they had signed confidentiality agreements with the Companies.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 2

Witness: Lonnie E. Bellar

Q-2. Produce a non-redacted version of the CPCN filing.

A-2. On December 15, 2011, the Companies sent out via an overnight carrier to counsel for Sierra Club and Natural Resources Defense Council a redacted copy of the Application and Testimony that was filed with the Commission on September 15, 2011.

In addition, copies of the confidential data that was the subject of the Petitions for Confidential Protection submitted by the Companies on September 15, 2011 and November 9, 2011 were also provided to the counsel for the Sierra Club and Natural Resources Defense Council after they had signed confidentiality agreements with the Companies.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 3

Witness: David S. Sinclair

- Q-3. Refer to page 8, lines 1-2 of the testimony of David Sinclair. State whether each of the Combined Company Energy Sales and Combined Company Peak Demand projections provided therein is weather-normalized. For each projection that is not weather-normalized, provide the weather-normalized projection.
- A-3. All projections on page 8, lines 1-2 of David's Sinclair's testimony are weather-normalized, as are the volume projections on page 4, line 14.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 4

Witness: Michael E. Hornung

- Q-4. Refer to page 8 line 14 to page 9 line 3 of the testimony of David Sinclair. State whether the potential for achieving greater than 500MW of load reduction through additional demand-side management or energy efficiency was evaluated as part of this CPCN process.
- a. If the answer to the above request is no, explain why not.
 - b. If the answer to the above request is yes, identify the additional levels of demand-side management or energy efficiency load reduction evaluated and explain why such additional levels were not selected as part of this CPCN.
 - c. Identify the expected cost per kilowatt hour of load reduced through the demand-side management referred to by Mr. Sinclair.
 - d. Identify the level of load reduction the Companies plan to achieve through demand side management and energy efficiency for each year of 2018 through 2025.
 - e. Produce any documents, studies, or analyses created by or for the Companies regarding the potential for demand-side management or energy efficiency within the Companies' service territories.
- A-4. a. Yes. Please see response to Question No. 4b.
- b. Through analysis of over 80 potential programs, the cost effectiveness of programs and the ability to gain voluntary customer participation resulted in the level of annual peak and energy impact presented in the Companies' 2011 Integrated Resource Plan, Case No. 2011-00140¹ and approved in DSM/EE Plan, Case No. 2011-00134.² These

¹ *The 2011 Joint Integrated Resource Plan of Louisville Gas And Electric Company and Kentucky Utilities Company, Case No. 2011-00140.*

² *In the Matter of: Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for Review, Modification, and Continuation of Existing, and Addition of New, Demand-Side Management and Energy Efficiency Programs, Case No. 2011-00134, Order (Nov. 9, 2011)*

programs with the most potential (combination of cost effectiveness and customer adoption) were discussed with the Energy Efficiency Advisory Group. The resulting portfolio of programs submitted and approved represents appropriate levels of energy and demand achievable through cost-effective means and customer adoption. Consistent with the analyses conducted in those proceedings, the CPCN was filed with the level of energy and demand that is achievable. The additional levels of Demand Side Management considered are shown below in response Q-4 d through 2026. Please note that there are no programs that have been defined or approved past 2018. Thus, these levels of DSM represent objectives to offset energy use through future conservation measures.

- c. Mr. Sinclair’s testimony identifies the peak load deduction in MWs not kilowatt hours. The DSM/EE Plan³ shows the total cost of seven years of DSM programming to be \$263,852,000. The chart included in response to d below shows a demand reduction of 318 MW for 2012-2018 (537.6 MW - 219.6 MW). Using this figure provides an average cost of \$829.72 per kilowatt. The Companies do not recommend using this mathematical calculation to evaluate DSM/EE programs. Instead the Companies continue to use the industry standard California test.
- d. The projected demand reductions for demand side management and energy efficiency for each year of 2018 through 2025 are provided in the table below.

| DSM Summer Peak Demand Reduction (MW) | Status | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
|---|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Residential High Efficiency Lighting | Existing | 14.2 | 17.5 | 20.8 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 | 24.1 |
| Residential New Construction | Existing | 2.8 | 3.5 | 4.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| Residential HVAC Tune Up | Existing | 0.9 | 1.3 | 1.8 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| Commercial HVAC Tune Up | Existing | 0.5 | 1.0 | 1.5 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| Customer Education & Public Information | Existing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dealer Referral Network | Existing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Residential Responsive Pricing (RRP) | Existing | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Program Development & Administration | Enhanced | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Residential Conservation (HEPP) | Enhanced | 2.2 | 3.6 | 5.1 | 6.5 | 8.0 | 9.4 | 10.9 | 12.2 | 13.5 | 14.8 | 16.1 | 17.4 | 18.8 | 20.1 | 21.4 | 22.7 |
| Residential Load Management | Enhanced | 157.3 | 171.6 | 183.9 | 196.2 | 206.5 | 216.7 | 227.0 | 237.2 | 247.5 | 257.7 | 268.0 | 278.2 | 288.5 | 298.7 | 309.0 | 319.2 |
| Commercial Load Management | Enhanced | 5.9 | 6.7 | 7.6 | 8.5 | 9.1 | 9.6 | 10.2 | 10.8 | 11.4 | 12.0 | 12.5 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 |
| Residential Low Income Weatherization | Enhanced | 1.0 | 1.3 | 1.6 | 1.8 | 2.1 | 2.4 | 2.7 | 3.6 | 4.5 | 5.4 | 6.3 | 7.3 | 8.2 | 9.1 | 10.0 | 10.9 |
| Commercial Conservation/Rebates | Enhanced | 26.5 | 47.9 | 69.7 | 91.6 | 113.4 | 135.2 | 157.0 | 177.7 | 198.4 | 219.1 | 239.8 | 260.4 | 281.1 | 301.8 | 322.5 | 343.2 |
| Smart Energy Profile | New | 5.6 | 10.9 | 10.9 | 19.9 | 19.9 | 19.9 | 19.9 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 |
| Residential Refrigerator Removal | New | 0.4 | 1.2 | 2.1 | 3.1 | 4.1 | 5.0 | 6.0 | 6.9 | 7.7 | 8.6 | 9.4 | 10.3 | 11.1 | 12.0 | 12.8 | 13.7 |
| Residential Incentives | New | 2.5 | 5.7 | 11.0 | 16.3 | 21.7 | 27.0 | 32.3 | 35.3 | 38.4 | 41.4 | 44.5 | 47.5 | 50.5 | 53.6 | 56.6 | 59.7 |
| Total Annual Demand Reduction | All | 219.6 | 272.3 | 320.4 | 377.6 | 418.2 | 458.9 | 499.5 | 537.6 | 575.2 | 612.9 | 650.5 | 688.2 | 725.8 | 763.4 | 801.1 | 838.7 |

- e. These documents have previously been provided in Case No. 2011-00140 as part of the Response of Louisville Gas and Electric Company to the Internal Requests for Production of Documents of Rick Clewett, Drew Foley, Janet Overman, Gregg Wagner, The National Resource Defense Council and the Sierra Club.

³ Direct Testimony, Michael E. Hornung, Page 14, Line 1.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 5

Witness: Michael E. Hornung

- Q-5. Produce any analysis or evaluation of the Companies' existing and proposed demand-side management or energy efficiency programs pursuant to the cost-benefit tests set out in the California Standard Practice Manual.
- A-5. The Companies performed the four traditional DSM/EE benefit-cost tests for each of the new programs and modifications to existing programs in the approved DSM/EE Plan, Case No. 2011-00134, Volume II, Exhibits B and C.

For analysis purposes of the approved program plan, the existing programs were assessed with an evaluated program period for the remaining years 2011-2014, while the new and revised programs were assessed with an evaluated program period of seven years. The table below demonstrates that each passed the Participant and Total Resource Cost tests.

| Status | Program | DSMore Scoring | | | |
|---|---|------------------|-------------------|-----------------------|--------------------------|
| | | Participant Test | Utility Cost Test | Ratepayer Impact Test | Total Resource Cost Test |
| Existing | Residential High Efficiency Lighting | 8.50 | 3.32 | 0.47 | 2.26 |
| | Residential New Construction | 2.45 | 2.73 | 0.77 | 1.52 |
| | Residential HVAC Tune Up | 8.28 | 1.44 | 0.66 | 1.26 |
| | Commercial HVAC Tune Up | 23.45 | 3.40 | 0.77 | 2.96 |
| | Customer Education & Public Information | NA | 0.00 | 0.00 | 0.00 |
| | Dealer Referral Network | NA | 0.00 | 0.00 | 0.00 |
| | Residential Responsive Pricing (RRP) | NA | 0.00 | 0.00 | 0.00 |
| Revised | Program Development & Administration | NA | 0.00 | 0.00 | 0.00 |
| | Residential Conservation (HEPP) | 5.69 | 1.85 | 0.55 | 1.42 |
| | Residential Load Management | NA | 1.93 | 1.35 | 3.62 |
| | Commercial Load Management | NA | 2.53 | 1.76 | 3.96 |
| | Residential Low Income Weatherization | NA | 2.08 | 0.60 | 2.08 |
| | Commercial Conservation/Rebates | 7.03 | 16.40 | 1.00 | 6.15 |
| New | Smart Energy Profile | NA | 2.36 | 0.60 | 2.36 |
| | Residential Refrigerator Removal | NA | 1.53 | 0.44 | 1.84 |
| | Residential Incentives | 3.28 | 4.50 | 0.80 | 2.31 |
| Overall Portfolio (Existing, Revised, & New) | | 8.24 | 3.39 | 0.82 | 3.01 |

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 6

Witness: David S. Sinclair

- Q-6. Identify any CO₂ prices assumed in the CPCN for each year of 2011 through 2040, and explain how any such CO₂ prices were factored into the CPCN analysis.
- A-6. In this analysis, the Companies did not consider the costs associated with unknown and unknowable regulations, including potential CO₂ regulations. In their 2008 IRP, the Companies included a CO₂-related sensitivity analysis. This sensitivity did not change the base-case capacity expansion plan, which included only gas-fired units. Furthermore, since the 2008 IRP was developed, the events of the intervening years have made the prospect of CO₂ pricing significantly less likely. As explained by David S. Sinclair in his rebuttal testimony in the Companies' most recent Environmental Cost Recovery ("ECR") proceedings, regional, national, and international efforts to create enforceable CO₂ regulatory regimes have largely faltered, and the momentum behind such efforts has significantly declined as a result of the Climategate scandal, the global recession, and recent political developments.

**LOUISVILLE GAS AND ELECTRIC COMPANY
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**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 7

Witness: David S. Sinclair

- Q-7. Identify the price of SO₂ and NO_x allowances that you assumed in the CPCN for each year of 2011 through 2040.
- A-7. Please see the following table. The Base Case prices are market quotes for CAIR SO₂ and NO_x allowances from the spring of 2010. These prices were utilized in the Companies' 2011 IRP and ECR filings and eventually fall to zero because the Companies assumed at the time that the Clean Air Transport Rule would require physical compliance based on their allowance allocation, thereby eliminating the need to rely on the market for emission allowances. The EPA prices were developed by the EPA in July 2011. The Base Case emission prices were used in the preliminary and final Phase II analyses as well as all but one of the updated final Phase II analyses. The ECR emission prices were used in the new load forecast sensitivity in the updated final Phase II analysis.

As explained in Charles R. Schram's rebuttal testimony in the Companies' most recent ECR proceeding, the Companies SO₂ and NO_x emissions will be less than their allowance allocation under CSAPR as a consequence of installing (or already having installed) the environmental controls necessary to meet the relevant National Ambient Air Quality Standards ("NAAQS") and the National Emission Standards for Hazardous Air Pollutants concerning electric generating units ("HAPs Rule"), and the retirement of coal units at Tyrone, Green River and Cane Run. Since the Companies expect to have a sufficient allocation of NO_x and SO₂ allowances beginning in 2016, revenue requirements are not affected by the projected price of CSAPR allowances. Moreover, given the nature of the alternatives considered in the RFP analysis (the majority of the responses to the Companies' RFP were for gas, nuclear, or renewable resources and the single coal alternative that was considered was a fixed-price PPA), there are virtually no differences in SO₂ emissions between the alternatives and the differences in NO_x emissions are small. Overall, the forecast of SO₂ and NO_x allowance prices does not have a significant impact on the RFP analysis.

| Nominal \$/short ton | Base Case | | | EPA Forecast – July 2011 | | |
|-------------------------|------------------------|-----------------------|-----------------|--------------------------|-----------------------|-----------------|
| | Annual NO _x | Ozone NO _x | SO ₂ | Annual NO _x | Ozone NO _x | SO ₂ |
| 2011 | 340 | 30 | 30 | 195 | 15 | 4 |
| 2012 | 100 | 0 | 10 | 500 | 1300 | 1000 |
| 2013 | 50 | 0 | 10 | 500 | 1300 | 1000 |
| 2014 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2015 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2016 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2017 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2018 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2019 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2020 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2021 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2022 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2023 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2024 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2025 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2026 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2027 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2028 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2029 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2030 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2031 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2032 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2033 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2034 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2035 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2036 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2037 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2038 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2039 | 0 | 0 | 0 | 600 | 1500 | 1100 |
| 2040 | 0 | 0 | 0 | 600 | 1500 | 1100 |

**LOUISVILLE GAS AND ELECTRIC COMPANY
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**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 8

Witness: Gary H. Revlett

- Q-8. Refer to the Companies' response to the Commission Staff's First Information Request No. 26b, in which Gary Revlett states "the Cane Run account will continue to receive allocations associated with coal-fired units for four years following their shutdown per the FIP."
- a. Identify the number of SO₂ and NO_x allocations for the Cane Run account the Companies expect to receive in each of the four years following the shutdown of Cane Run, and the expected price of each such allocation.
- b. Provide the same information with regards to the Tyrone and Green River units that the Companies are proposing to retire.
- A-8. a. Expected SO₂ and NO_x Cross-State Air Pollution Rule ("CSAPR") allocations for Cane Run are provided in the allocation in the response to part b. The expected price is largely unknown since a fluid market has not yet developed. However, EPA projected the allowance prices in the following table.

| | Allowance Price (2007\$/ton) | |
|-----------------------------------|-------------------------------------|-------------|
| | 2012 | 2014 |
| Annual SO ₂ Group 1 | 1,000 | 1,100 |
| Annual NO _x | 500 | 600 |
| Ozone Season (OS) NO _x | 1,300 | 1,500 |

- b. Expected SO₂ and NO_x allocations for Tyrone and Green River are provided in the tables below.

Expected SO₂ and NO_x Allocations for Cane Run, Green River, and Tyrone*

| Plant Name | SO₂ Allocation 2016 (tons) | SO₂ Allocation 2017 (tons) | SO₂ Allocation 2018 (tons) | SO₂ Allocation 2019 (tons) | SO₂ Allocation 2020 (tons) |
|-------------------|--|--|--|--|--|
| Cane Run | 3,602 | 3,602 | 3,674 | 3,790 | 0 |
| Green River | 1,051 | 1,051 | 1,071 | 1,106 | 0 |
| Tyrone** | 418 | 418 | 427 | 440 | 0 |

| Plant Name | NO_x Annual Allocation 2016 (tons) | NO_x Annual Allocation 2017 (tons) | NO_x Annual Allocation 2018 (tons) | NO_x Annual Allocation 2019 (tons) | NO_x Annual Allocation 2020 (tons) |
|-------------------|---|---|---|---|---|
| Cane Run | 2,637 | 2,637 | 2,644 | 2,644 | 0 |
| Green River | 769 | 769 | 771 | 771 | 0 |
| Tyrone** | 306 | 306 | 306 | 306 | 0 |

| Plant Name | NO_x OS Allocation 2016 (tons) | NO_x OS Allocation 2017 (tons) | NO_x OS Allocation 2018 (tons) | NO_x OS Allocation 2019 (tons) | NO_x OS Allocation 2020 (tons) |
|-------------------|---|---|---|---|---|
| Cane Run | 1,124 | 1,124 | 1,124 | 1,124 | 0 |
| Green River | 343 | 343 | 343 | 343 | 0 |
| Tyrone** | 137 | 137 | 137 | 137 | 0 |

*The values are based on EPA's Federal Implementation Plan which is currently in effect for implementing the Cross-State Air Pollution Rule, also known as the Transport Rule. If Kentucky elects to develop its own regulations to implement the program, and EPA approves the State Implementation Plan, the allocation mechanisms could be changed.

All values assume Cane Run, Green River and Tyrone retire operations in 2015.

The SO₂ values include EPA's October 2011 proposed revisions; these affect the year 2013 (which would otherwise be the same as 2012) and 2018-2019 (which would otherwise be the same as 2014-2017).

** - If Tyrone ceases operation prior to 2015, then starting on the fifth year of no generation the allocation goes to zero.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 9

Witness: David S. Sinclair

- Q-9. Produce any workpaper, source document, and, in machine readable or txt format, input and output files for all modeling that you carried out regarding the CPCN.
- A-9. Please see folder titled Question No. 9 on the enclosed external hard drive. The Phase II analysis was completed in several iterations. Files associated with the preliminary Phase II analysis are contained in folder labeled 'Iteration 4.' Files associated with the final Phase II analysis are contained in the folder labeled 'Iteration 8.' Files associated with the updated Phase II analysis are contained in the folder labeled 'Iteration 9.'

The requested information is being provided pursuant to the Companies' Petition for Confidential Protection and Motion to Deviate filed contemporaneously herewith.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
First Set of Requests for Information
Dated November 22, 2011**

Question No. 10

Witness: David S. Sinclair

- Q-10. Produce a copy of any documents, studies, or analyses regarding the potential for or cost of renewable energy resources within the Companies' service territory, in the State of Kentucky, or in one of the states contiguous to Kentucky created by or for the Companies.
- A-10. Please see response to Question No. 29 of initial request for production of documents by Sierra Club and NRDC in the 2011 IRP proceeding (Case No. 2011-00140).

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Sierra Club and Natural Resources Defense Council
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Dated November 22, 2011**

Question No. 11

Witness: David S. Sinclair

- Q-11. Produce a copy of any documents, studies, or analyses regarding the potential for or cost of combined heat and power within the Companies' service territory, in the State of Kentucky, or in one of the states contiguous to Kentucky created by or for the Companies.
- A-11. No assessments of combined heat and power have been performed by or for the Companies. Please refer to the 2011 IRP documentation in Volume III, Recommendations in PSC Staff Report on the Last IRP – Case No. 2008-00148, Section “Supply Side Resource Assessment” (pp. 2-3) for additional information.

**LOUISVILLE GAS AND ELECTRIC COMPANY
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**Response to the Sierra Club and Natural Resources Defense Council
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Dated November 22, 2011**

Question No. 12

Witness: David S. Sinclair

- Q-12. Produce a copy of any documents, studies, or analyses regarding the economics of constructing company-owned solar resources that have been created by or for the Companies.
- A-12. Please see response to Question No. 33 of initial request for production of documents by Sierra Club and NRDC in the 2011 IRP proceeding (Case No. 2011-00140).

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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 13

Witness: David S. Sinclair

- Q-13. Produce a copy of any documents, studies, or analyses regarding the economics of constructing company-owned wind power resources that have been prepared by or for the Companies.
- A-13. Please see response to Question No. 34 of initial request for production of documents by Sierra Club and NRDC in the 2011 IRP proceeding (Case No. 2011-00140).

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Question No. 14

Witness: David S. Sinclair

Q-14. Produce any workpaper, source document, and, in machine readable or txt format, input and output files, used in or developed as part of the screening of supply-side resources for the CPCN.

A-14. Please see response to Question No. 9.

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Question No. 15

Witness: Michael E. Hornung

- Q-15. Produce any workpaper, source document, and, in machine readable or txt format, input and output files, used in or developed as part of the screening of demand-side resources for the CPCN.
- A-15. Please see response to Question No. 6 of initial request for production of documents by Sierra Club and NRDC in the 2011 IRP proceeding (Case No. 2011-00140).

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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 16

Witness: David S. Sinclair

- Q-16. Identify the annual natural gas prices that you assumed in the CPCN process for each year of 2011 through 2040.
- A-16. Please see the attachment. This provides the delivered natural gas price forecasts used in this analysis. The delivered gas prices are computed as the sum of Henry Hub prices (provided by PIRA or CERA) and a variable delivery cost. The variable delivery cost includes a variable transportation cost as well as a cost for losses. The transportation cost varies based on the pipeline from which the gas is delivered (e.g., Texas Gas, Tennessee Gas). The cost for losses is primarily dependent on where the generator is located on the pipeline. The work papers used to compute the variable delivery costs are included in the response to Question No. 9.

The requested information is being provided pursuant to the Companies' Petition for Confidential Protection filed contemporaneously herewith.

**LOUISVILLE GAS AND ELECTRIC COMPANY
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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 17

Witness: David S. Sinclair

- Q-17. Identify the annual coal prices that you assumed in the CPCN process for each year of 2011 through 2040.
- A-17. Please see the attachment. The majority of the responses to the Companies' RFP were for gas, nuclear, or renewable resources and the single coal alternative that was considered was a fixed-price PPA. Therefore, the forecasts of coal prices only affect the dispatch cost of the Companies' existing coal units and do not have a significant impact on the analysis of RFP responses.

The requested information is being provided pursuant to the Companies' Petition for Confidential Protection filed contemporaneously herewith.

**LOUISVILLE GAS AND ELECTRIC COMPANY
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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 18

Witness: David S. Sinclair

- Q-18. Identify the Companies' assumed forward market prices of energy and capacity through the analysis period and any source for those market price assumptions. Produce any documentation or workpapers that support these assumptions.
- A-18. The electricity prices used in the Base Case analysis and three additional forecasts ("2011 Wood Mac/PIRA", "2010 CERA", and "2011 CERA") are shown in the table below. These prices were only used to model short-term economy power purchases, not for determining which RFP options were most cost-effective.

CONFIDENTIAL INFORMATION REDACTED

| Nominal \$/MWh | Electricity Prices – Annual Round-the-Clock | | | |
|----------------|---|-----------|-------------------|-----------|
| | Base Case | 2010 CERA | 2011 WoodMac/PIRA | 2011 CERA |
| 2011 | | | | |
| 2012 | | | | |
| 2013 | | | | |
| 2014 | | | | |
| 2015 | | | | |
| 2016 | | | | |
| 2017 | | | | |
| 2018 | | | | |
| 2019 | | | | |
| 2020 | | | | |
| 2021 | | | | |
| 2022 | | | | |
| 2023 | | | | |
| 2024 | | | | |
| 2025 | | | | |
| 2026 | | | | |
| 2027 | | | | |
| 2028 | | | | |
| 2029 | | | | |
| 2030 | | | | |
| 2031 | | | | |
| 2032 | | | | |
| 2033 | | | | |
| 2034 | | | | |
| 2035 | | | | |
| 2036 | | | | |
| 2037 | | | | |
| 2038 | | | | |
| 2039 | | | | |
| 2040 | | | | |

No forward market prices of capacity were used in the analyses. The hourly electricity prices used in the base and sensitivity analyses were developed in several steps as follows.

For the Base Case and the 2010 CERA forecasts, monthly electricity prices were calculated as a blend of forecasted monthly prices for the MISO-LGEE (“LGEE”) interface and the PJM-South Import (“PJM-SI”) pricing point as shown in the following

table. For the 2011 Wood Mac/PIRA and the 2011 CERA forecasts, only PJM-SI prices were used.

Blending Ratios for Base Case and 2011 CERA Forecasts

| | 2011-2014 | | 2015-2030 | |
|--------------------|-----------|--------|-----------|--------|
| | LGEE | PJM-SI | LGEE | PJM-SI |
| Peak | 10% | 90% | 50% | 50% |
| Off-Peak / Weekend | 30% | 70% | 50% | 50% |

The forecasted monthly peak LGEE and PJM-SI prices are derived by discounting forecasted MISO-CinHub (“CinHub”) and PJM-West Hub (“PJM-W”) prices, respectively, to incorporate historical differences between the pricing points.

For both the Base Case and the 2010 CERA forecasts:

- The LGEE prices were discounted from the CinHub prices by \$0.50/MWh through 2014. This discount is escalated annually thereafter by the percent increase in forecasted annual average CinHub peak prices. Off-peak and weekend LGEE prices were not discounted from CinHub prices.
- The forecasted monthly PJM-SI prices are derived by discounting forecasted PJM-W prices to 85% of the PJM-W prices throughout the forecast period.

For the 2011 WoodMac/PIRA and the 2011 CERA forecasts, the LGEE and PJM-SI prices were discounted to a percentage of the CinHub and PJM-W prices, respectively, that varied by month and by peak type as shown in the following table.

| 2011 WoodMac/PIRA Price Discounts | | | | | | |
|--|-------------------------------|-----------------|----------------|--------------------------------|-----------------|----------------|
| | LGEE percent of CinHub | | | PJM-SI percent of PJM-W | | |
| | Peak | Off-Peak | Weekend | Peak | Off-Peak | Weekend |
| January | 99% | 98% | 100% | 88% | 91% | 88% |
| February | 99% | 98% | 100% | 88% | 91% | 88% |
| March | 99% | 98% | 100% | 88% | 91% | 88% |
| April | 99% | 98% | 100% | 88% | 91% | 88% |
| May | 99% | 98% | 100% | 88% | 91% | 88% |
| June | 99% | 98% | 100% | 85% | 91% | 88% |
| July | 99% | 98% | 100% | 85% | 88% | 88% |
| August | 99% | 98% | 100% | 85% | 88% | 88% |
| September | 99% | 98% | 100% | 88% | 88% | 88% |
| October | 99% | 98% | 100% | 88% | 91% | 88% |
| November | 99% | 98% | 100% | 88% | 91% | 88% |
| December | 99% | 98% | 100% | 88% | 91% | 88% |

The sources of the monthly Cin Hub and PJM-W prices differ between different segments of the forecast period for each forecast.

- In the years through 2014, the monthly prices reflect market forward quotes as of a specific quote date for peak and ‘wrap’ prices as provided to the Companies by IntercontinentalExchange (“ICE”). Off-peak and weekend prices were derived from the wrap prices by applying the historical ratios of off-peak and weekend prices to the ‘wrap’ price.
- In 2015-2016, the monthly prices were derived by interpolating between the near-term and the long-term prices.
- In 2017-2030, the monthly prices were derived from different sources for each case.
 - The Base Case and 2011 Wood Mac/PIRA prices were developed for all three peak types by the Companies using AURORAxmp (“Aurora”) software. For both forecasts, the modeling in Aurora used PIRA’s gas prices as of 2/24/2011. The Base Case used Wood Mac’s Fall 2010 coal prices. The 2011 Wood Mac/PIRA case used Wood Mac’s Spring 2011 coal prices.
 - The 2010 CERA prices were provided in CERA’s Fall 2010 Global Redesign planning scenario. Off-peak and weekend prices were derived from CERA’s wrap prices by applying the historical ratios of off-peak and weekend prices to the ‘wrap’ price.
 - The 2011 CERA prices were developed by the Companies using average annual peak and ‘wrap’ regional prices for Reliability First Corporation-PJM

provided in CERA's Spring 2011 Global Redesign planning scenario. The Companies allocated CERA's prices monthly and by peak type using factors derived in Aurora using CERA's Spring 2011 coal and gas prices.

- In years 2031 and beyond, the prices were derived by escalating the 2030 prices at a constant rate.
 - For the Base Case, 2010 CERA, and 2011 CERA forecasts, an escalation rate of 1.74% was used which reflected the average gross domestic product deflator for years 2031 through 2040, as forecasted by IHS Global Insight in May 2010.
 - For the 2011 Wood Mac/PIRA case, an escalation rate of 1.5% was used which continued the escalation in the average annual electricity prices from 2029 to 2030 as developed by the Companies with Aurora.

The following table details these assumptions for each forecast.

| Sources of CinHub/PJM-W Prices | | | |
|---------------------------------------|---------------------|---|------------------------|
| | Quote Date | Source | Escalation Rate |
| | <i>Through 2014</i> | <i>2017 – 2030</i> | <i>2031+</i> |
| Base Case | March 14, 2011 | Aurora | 1.74% |
| 2010 CERA | March 14, 2011 | CERA Fall 2010 “Global Redesign” Scenario | 1.74% |
| 2011 Wood Mac/PIRA | June 17, 2011 | Aurora | 1.5% |
| 2011 CERA | June 17, 2011 | Aurora & CERA Spring 2011 “Global Redesign” Scenario | 1.74% |

For each forecast, daily prices by peak type were derived by multiplying the forecasted monthly average prices (by peak type) by an elasticity adjusted weight which includes a load/price elasticity factor of 2.5 based on historical observations. This factor implies that a 1% daily deviation from monthly average load causes a 2.5% daily deviation from monthly average price. Unique daily prices by peak type are developed by applying the elasticity factor to forecasted average monthly loads, daily loads, and forecasted average monthly prices by peak type. Hourly prices are then calculated by multiplying the daily prices by hourly price multipliers which reflect the historical average ratio of hourly prices to daily prices by peak type. These hourly prices are the inputs used in the PROSYM modeling.

Workpapers supporting these assumptions are attached on the enclosed external hard drive in a folder titled Question No. 18 with a subfolder for each case as shown below.

- Base_Case
 1. Email from ICE with 3/14/11 market forward peak prices
 2. Email from ICE with 3/14/11 market forward 'wrap' prices
 3. Spreadsheet with development of off-peak and weekend prices from 'wrap' prices
 4. Spreadsheet with discounting and blending of MISO and PJM prices
 5. Spreadsheet with development of daily and hourly prices
 6. Spreadsheet with calculation of annual average prices from hourly prices
 7. Spreadsheet with long-term escalation rates
 8. Spreadsheet with Aurora data tables exported
- 2010_CERA
 1. CERA Fall 2010 Global Redesign Price Forecasts
 2. Spreadsheet with development of off-peak and weekend prices from 'wrap' prices
 3. Spreadsheet with discounting and blending of MISO and PJM prices
 4. Spreadsheet with development of daily and hourly prices
 5. Spreadsheet with calculation of annual average prices from hourly prices
- 2011_WoodMac_PIRA
 1. Email from ICE with 3/14/11 market forward peak prices
 2. Email from ICE with 3/14/11 market forward 'wrap' prices
 3. Spreadsheet with development of off-peak and weekend prices from 'wrap' prices
 4. Spreadsheet with discounting of PJM prices
 5. Spreadsheet with development of daily and hourly prices
 6. Spreadsheet with calculation of annual average prices from hourly prices
 7. Spreadsheet with Aurora data tables exported
- 2011_CERA
 1. CERA Spring 2011 Global Redesign Price Forecasts
 2. Spreadsheet with development of monthly peak, off-peak, and weekend prices annual peak and from 'wrap' prices
 3. Spreadsheet with discounting of PJM prices
 4. Spreadsheet with development of daily and hourly prices
 5. Spreadsheet with calculation of annual average prices from hourly prices

The requested information is being provided pursuant to the Companies' Petition for Confidential Protection and Motion to Deviate filed contemporaneously herewith.

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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 19

Witness: David S. Sinclair

- Q-19. Identify whether any sensitivity analyses were performed by or for the Companies with regards to any of the following factors. For each sensitivity analysis that was performed, provide the results of that analysis, along with any workpaper, source document, and, in machine readable or txt format, input and output files used in or developed for such analysis. For each factor for which no sensitivity analysis was performed, explain why no such analysis was performed:
- a. Total energy sales
 - b. Peak demand
 - c. Load forecast
 - d. Natural gas prices
 - e. Coal prices
 - f. Natural gas combined cycle plant construction costs
 - g. CO2 cost
 - h. Cost of renewable energy sources
 - i. Demand growth reductions through demand side management or energy efficiency
 - j. Forward market prices of energy or capacity
- A-19. a. The Companies evaluated the alternatives considered in the final Phase II analysis under one alternative load forecast (see Section 7.2 of the 2011 Resource Assessment at page 29). This load forecast was developed in June 2011 as part of the Companies' annual planning process ("2012 Forecast"). All workpapers, source documents, and input and output files used to develop this case are included as an attachment to Question No. 9.

- b. See response to part a.
- c. See response to part a.
- d. The Companies evaluated the alternatives considered in the preliminary Phase II analysis under one alternative set of natural gas and electricity prices (see Section 5.3.1 of the 2011 Resource Assessment at page 17). The alternatives considered in the final Phase II analysis were evaluated under two alternative sets of natural gas and electricity prices (see Section 7.1 of the 2011 Resource Assessment at page 26). All workpapers, source documents, and input and output files used to develop these cases are included as an attachment to Question No. 9.
- e. The Companies evaluated the alternatives considered in the final Phase II analysis under two alternative coal forecasts (see Section 7.1 of the 2011 Resource Assessment at page 26). All workpapers, source documents, and input and output files used to develop this case are included as an attachment to Question No. 9.
- f. The Companies considered several self-build combined cycle alternatives. In addition, the Companies updated the plant construction costs for its self-build alternatives in the updated final Phase II analysis (see Section 6 of the 2011 Resource Assessment at page 24). All workpapers, source documents, and input and output files used to develop this case are included as an attachment to Question No. 9.
- g. See response to Question No. 6.
- h. The Companies evaluated all responses to their RFP which included wind, solar, and biomass technologies.
- i. The Companies' analysis incorporated all demand-side management programs for which approval had been sought from the KPSC. On November 9, 2011, the KPSC approved these programs in Case No. 2011-00134.
- j. See response to part d.

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**Response to the Sierra Club and Natural Resources Defense Council
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Question No. 20

Witness: David S. Sinclair

- Q-20. Refer to the LG&E and KU 2011 Reserve Margin Study, dated April 8, 2011, created by Astrape Consulting, which was filed with the Commission as part of the Companies' 2011 Integrated Resource Plan in Case No. 2011-00140.
- a. Refer to Figure ES3 on page 6 of the Study. For each of the 10%, 11%, 12%, 13%, 14%, 15%, 16%, 17%, 18%, 19%, and 20% reserve margin, identify the amount of the reliability energy costs for each of the following:
 - i. Cost of unserved energy
 - ii. Reliability purchases above the dispatch cost of a CT
 - iii. Peaking resources above the dispatch cost of a CT
 - b. Refer to the Appendix of the Study. Explain how the Loss of Load Expectation ("LOLE") curve set forth therein was developed, and produce any support for the LOLE curve.
 - c. State whether demand side resources were factored into the evaluation of the reserve margin for the Companies. If so, explain how. If not, explain why not.
 - d. State whether the Companies' Contingency Reserve Sharing Group agreement with the Tennessee Valley Authority and East Kentucky Power Company was factored into the evaluation of the reserve margin for the Companies. If so, explain how. If not, explain why not.
- A-20. a. Please see the attachment.
- b. In the reserve margin study, 98,000 hourly simulations were evaluated for each reserve margin level. The LOLE curve is a plot of the weighted average of LOLE events by reserve margin level. The methodology used to weight the number of LOLE events for each reserve margin level is the same methodology used to weight the results in the reserve margin study.

- c. Demand side resources were factored into the evaluation of the reserve margin for the Companies. The Companies have two forms of controllable demand-side resources: dispatchable demand-side management (load control devices) and curtailable-service customers. Dispatchable demand-side management is subtracted from the total system load (and capacity) in the reserve margin study. The loads of curtailable service customers are considered generating capacity in the reserve margin study. Therefore, the loads of these customers are not subtracted from the total system load.

- d. The Companies' Contingency Reserve Sharing Group agreement ("CRSG") with the Tennessee Valley Authority and East Kentucky Power Company was factored into the evaluation of the reserve margin for the Companies. The CRSG is an operational agreement that reduces the amount of contingency reserves the Companies would otherwise be required to carry to comply with NERC reliability standards. Contingency reserves are only to be used during a contingency event for a short period of time, not for meeting day-to-day peak load like other resources. When the Companies have insufficient contingency reserves, they are obligated to replenish such resources as quickly as possible to avoid declaring an emergency energy alert. In the reserve margin study, it was assumed that the Companies' contingency reserves could be utilized if needed for one hour in the event of an unplanned outage. After one hour, it was assumed that the Company would shed firm load if necessary to maintain contingency reserve requirements.

| RM | Cost of Unserved Energy | Reliability Purchases | Peaking Resources | Total | Check |
|--------|-------------------------|-----------------------|-------------------|--------|--------|
| 10.00% | 14.78 | 114.74 | 0.75 | 130.27 | 130.27 |
| 10.25% | 13.69 | 106.23 | 0.70 | 120.61 | 120.61 |
| 10.50% | 12.67 | 98.35 | 0.64 | 111.67 | 111.67 |
| 10.75% | 11.73 | 91.06 | 0.60 | 103.39 | 103.39 |
| 11.00% | 10.86 | 84.31 | 0.55 | 95.72 | 95.72 |
| 11.25% | 10.06 | 78.06 | 0.51 | 88.63 | 88.63 |
| 11.50% | 9.31 | 72.27 | 0.47 | 82.06 | 82.06 |
| 11.75% | 8.62 | 66.91 | 0.44 | 75.97 | 75.97 |
| 12.00% | 7.98 | 61.95 | 0.41 | 70.34 | 70.34 |
| 12.25% | 7.39 | 57.36 | 0.38 | 65.12 | 65.12 |
| 12.50% | 6.94 | 53.48 | 0.44 | 60.86 | 60.86 |
| 12.75% | 6.49 | 50.06 | 0.41 | 56.96 | 56.96 |
| 13.00% | 6.08 | 46.85 | 0.38 | 53.31 | 53.31 |
| 13.25% | 5.69 | 43.85 | 0.36 | 49.89 | 49.89 |
| 13.50% | 6.05 | 39.70 | 0.45 | 46.20 | 46.20 |
| 13.75% | 5.60 | 36.74 | 0.41 | 42.75 | 42.75 |
| 14.00% | 5.18 | 33.99 | 0.38 | 39.55 | 39.55 |
| 14.25% | 4.70 | 31.42 | 0.48 | 36.60 | 36.60 |
| 14.50% | 4.35 | 29.08 | 0.44 | 33.87 | 33.87 |
| 14.75% | 4.03 | 26.91 | 0.41 | 31.34 | 31.34 |
| 15.00% | 3.73 | 24.90 | 0.38 | 29.01 | 29.01 |
| 15.25% | 3.21 | 23.17 | 0.49 | 26.87 | 26.87 |
| 15.50% | 3.01 | 21.72 | 0.46 | 25.19 | 25.19 |
| 15.75% | 2.82 | 20.36 | 0.43 | 23.61 | 23.61 |
| 16.00% | 2.64 | 19.08 | 0.41 | 22.13 | 22.13 |
| 16.25% | 2.78 | 17.47 | 0.47 | 20.72 | 20.72 |
| 16.50% | 2.58 | 16.25 | 0.44 | 19.27 | 19.27 |
| 16.75% | 2.40 | 15.11 | 0.41 | 17.92 | 17.92 |
| 17.00% | 2.23 | 14.05 | 0.38 | 16.67 | 16.67 |
| 17.25% | 1.98 | 12.94 | 0.52 | 15.44 | 15.44 |
| 17.50% | 1.81 | 11.80 | 0.47 | 14.08 | 14.08 |
| 17.75% | 1.65 | 10.76 | 0.43 | 12.84 | 12.84 |
| 18.00% | 1.50 | 9.81 | 0.39 | 11.71 | 11.71 |
| 18.25% | 1.17 | 9.07 | 0.47 | 10.71 | 10.71 |
| 18.50% | 1.08 | 8.37 | 0.44 | 9.89 | 9.89 |
| 18.75% | 1.00 | 7.72 | 0.40 | 9.13 | 9.13 |
| 19.00% | 0.92 | 7.13 | 0.37 | 8.42 | 8.42 |
| 19.25% | 1.09 | 6.12 | 0.57 | 7.78 | 7.78 |
| 19.50% | 1.01 | 5.65 | 0.53 | 7.19 | 7.19 |
| 19.75% | 0.93 | 5.22 | 0.49 | 6.64 | 6.64 |
| 20.00% | 0.86 | 4.82 | 0.45 | 6.13 | 6.13 |
| 20.25% | 0.75 | 4.40 | 0.50 | 5.65 | 5.65 |
| 20.50% | 0.69 | 4.03 | 0.45 | 5.17 | 5.17 |
| 20.75% | 0.63 | 3.69 | 0.42 | 4.74 | 4.74 |
| 21.00% | 0.58 | 3.38 | 0.38 | 4.34 | 4.34 |
| 21.25% | 0.47 | 2.95 | 0.56 | 3.98 | 3.98 |
| 21.50% | 0.43 | 2.71 | 0.52 | 3.65 | 3.65 |
| 21.75% | 0.39 | 2.48 | 0.48 | 3.35 | 3.35 |
| 22.00% | 0.36 | 2.28 | 0.44 | 3.08 | 3.08 |

| RM | Cost of Unserved Energy | Reliability Purchases | Peaking Resources | Total | Sinclair Check |
|--------|-------------------------|-----------------------|-------------------|-------|-------------------|
| 22.25% | 0.33 | 2.09 | 0.40 | 2.82 | 2.82 |
| 22.50% | 0.30 | 1.92 | 0.37 | 2.59 | 2.59 |
| 22.75% | 0.28 | 1.76 | 0.34 | 2.38 | 2.38 |
| 23.00% | 0.26 | 1.62 | 0.31 | 2.18 | 2.18 |
| 23.25% | 0.42 | 0.96 | 0.63 | 2.00 | 2.00 |
| 23.50% | 0.38 | 0.88 | 0.57 | 1.84 | 1.84 |
| 23.75% | 0.35 | 0.81 | 0.53 | 1.69 | 1.69 |
| 24.00% | 0.32 | 0.74 | 0.48 | 1.55 | 1.55 |
| 24.25% | 0.30 | 0.68 | 0.44 | 1.42 | 1.42 |
| 24.50% | 0.27 | 0.63 | 0.41 | 1.30 | 1.30 |
| 24.75% | 0.25 | 0.57 | 0.37 | 1.20 | 1.20 |

| 85% | | | | | | | |
|--------|-----------|-----------------------|---------------|------------|------------|------|------------|
| RM | EUE | Reliability Purchases | Secondary CTs | Total | Check | Case | % at 27 |
| 11.30% | 9,897,252 | 76,815,193 | 503,125 | 87,215,570 | 87,215,570 | 27 | 84.92% |
| 12.28% | 417,822 | 63,590,580 | 425,393 | 64,433,795 | 64,433,795 | 82 | 86.09% |
| 13.27% | 6,503,880 | 42,683,126 | 480,028 | 49,667,034 | 49,667,034 | 27 | 84.92% |
| 14.25% | 2,579,640 | 33,536,864 | 483,686 | 36,600,190 | 36,600,190 | 215 | 86.48% |
| 15.23% | 1,364,354 | 25,080,194 | 549,573 | 26,994,121 | 26,994,121 | 95 | 84.28% |
| 16.21% | 65,238 | 20,439,539 | 431,580 | 20,936,357 | 20,936,357 | 82 | 86.16% |
| 17.20% | 306,104 | 14,908,054 | 527,059 | 15,741,216 | 15,741,216 | 160 | 85.24% |
| 18.18% | 423,798 | 9,971,879 | 562,597 | 10,958,274 | 10,958,274 | 95 | 86.87% |
| 19.16% | 982,554 | 6,532,190 | 481,582 | 7,996,326 | 7,996,326 | 49 | 82.97% |
| 20.14% | 777,046 | 4,568,081 | 514,722 | 5,859,849 | 5,859,849 | 27 | 84.86% |
| 21.13% | 333,826 | 3,285,625 | 529,256 | 4,148,707 | 4,148,707 | 144 | 83.56% |
| 23.09% | 10,790 | 1,526,357 | 577,225 | 2,114,372 | 2,114,372 | 160 | 82.06% |
| | | | | | | | 84.87% Avg |

| Case 27 | | | | |
|---------|-----------|-----------------------|---------------|------------|
| RM | EUE | Reliability Purchases | Secondary CTs | Total |
| 11.30% | 9,897,252 | 76,815,193 | 503,125 | 87,215,570 |
| 12.28% | 7,782,246 | 60,005,918 | 492,928 | 68,281,091 |
| 13.27% | 6,503,880 | 42,683,126 | 480,028 | 49,667,034 |
| 14.25% | 4,832,592 | 32,293,875 | 489,447 | 37,615,914 |
| 15.23% | 3,204,464 | 23,154,169 | 493,072 | 26,851,705 |
| 16.21% | 2,877,610 | 18,103,926 | 491,700 | 21,473,236 |
| 17.20% | 1,873,310 | 12,239,822 | 491,242 | 14,604,374 |
| 18.18% | 1,273,552 | 9,843,112 | 513,834 | 11,630,498 |
| 19.16% | 955,330 | 5,349,262 | 497,452 | 6,802,044 |
| 20.14% | 777,046 | 4,568,081 | 514,722 | 5,859,849 |
| 21.13% | 443,054 | 2,804,461 | 536,783 | 3,784,298 |
| 23.09% | 360,054 | 831,504 | 540,530 | 1,732,088 |

| Case 27 Percentages | | | | |
|---------------------|-------|-----------------------|---------------|-------|
| RM | EUE | Reliability Purchases | Secondary CTs | Total |
| 11.30% | 11.3% | 88.1% | 0.6% | 100% |
| 12.28% | 11.4% | 87.9% | 0.7% | 100% |
| 13.27% | 13.1% | 85.9% | 1.0% | 100% |
| 14.25% | 12.8% | 85.9% | 1.3% | 100% |
| 15.23% | 11.9% | 86.2% | 1.8% | 100% |
| 16.21% | 13.4% | 84.3% | 2.3% | 100% |
| 17.20% | 12.8% | 83.8% | 3.4% | 100% |
| 18.18% | 11.0% | 84.6% | 4.4% | 100% |
| 19.16% | 14.0% | 78.6% | 7.3% | 100% |
| 20.14% | 13.3% | 78.0% | 8.8% | 100% |
| 21.13% | 11.7% | 74.1% | 14.2% | 100% |
| 23.09% | 20.8% | 48.0% | 31.2% | 100% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 204 | 0.000642 | 371,585 | 11,952 | 0 | 317,736 | 41,898 | 0.06% |
| 71 | 0.000642 | 520,025 | 35,358 | 0 | 442,641 | 42,026 | 0.13% |
| 239 | 0.000642 | 565,476 | 74,202 | 0 | 442,559 | 48,715 | 0.19% |
| 50 | 0.000642 | 755,782 | 63,744 | 0 | 616,694 | 75,344 | 0.26% |
| 176 | 0.000642 | 789,250 | 27,224 | 0 | 692,205 | 69,821 | 0.32% |
| 43 | 0.000642 | 795,291 | 118,856 | 0 | 618,498 | 57,936 | 0.39% |
| 120 | 0.000642 | 818,774 | 33,034 | 0 | 741,998 | 43,741 | 0.45% |
| 162 | 0.000642 | 877,321 | 53,120 | 0 | 737,971 | 86,230 | 0.51% |
| 148 | 0.000642 | 987,441 | 23,904 | 0 | 892,675 | 70,862 | 0.58% |
| 29 | 0.000642 | 997,936 | 57,436 | 0 | 853,021 | 87,479 | 0.64% |
| 183 | 0.000642 | 1,030,460 | 84,660 | 0 | 875,324 | 70,476 | 0.71% |
| 1 | 0.000642 | 1,033,002 | 57,602 | 0 | 903,677 | 71,723 | 0.77% |
| 64 | 0.000642 | 1,171,160 | 36,520 | 0 | 1,061,055 | 73,585 | 0.83% |
| 205 | 0.002618 | 1,230,136 | 48,804 | 0 | 1,120,711 | 60,621 | 1.10% |
| 134 | 0.000642 | 1,238,980 | 176,624 | 0 | 976,535 | 85,820 | 1.16% |
| 8 | 0.000642 | 1,327,125 | 16,434 | 0 | 1,206,546 | 104,145 | 1.22% |
| 240 | 0.002618 | 1,359,367 | 51,460 | 0 | 1,233,597 | 74,310 | 1.49% |
| 121 | 0.002618 | 1,371,668 | 60,258 | 0 | 1,240,856 | 70,555 | 1.75% |
| 22 | 0.000642 | 1,436,678 | 81,174 | 0 | 1,260,198 | 95,306 | 1.81% |
| 106 | 0.000642 | 1,611,176 | 195,382 | 0 | 1,336,986 | 78,808 | 1.88% |
| 232 | 0.000642 | 1,619,084 | 174,134 | 0 | 1,354,955 | 89,995 | 1.94% |
| 99 | 0.000642 | 1,705,419 | 173,802 | 0 | 1,460,144 | 71,473 | 2.01% |
| 197 | 0.000642 | 1,801,290 | 12,782 | 0 | 1,708,698 | 79,809 | 2.07% |
| 127 | 0.000642 | 1,854,480 | 212,812 | 0 | 1,520,879 | 120,789 | 2.13% |
| 85 | 0.000642 | 2,028,442 | 109,560 | 0 | 1,807,387 | 111,495 | 2.20% |
| 190 | 0.000642 | 2,091,913 | 202,022 | 0 | 1,743,748 | 146,143 | 2.26% |
| 72 | 0.002618 | 2,398,640 | 257,632 | 0 | 2,080,596 | 60,412 | 2.52% |
| 206 | 0.006532 | 2,408,548 | 110,058 | 0 | 2,210,479 | 88,011 | 3.18% |
| 51 | 0.002618 | 2,485,069 | 127,820 | 0 | 2,239,130 | 118,119 | 3.44% |
| 184 | 0.002618 | 2,488,189 | 28,884 | 0 | 2,348,340 | 110,965 | 3.70% |
| 2 | 0.002618 | 2,509,631 | 87,316 | 0 | 2,304,687 | 117,628 | 3.96% |
| 100 | 0.002618 | 2,517,273 | 213,974 | 0 | 2,196,995 | 106,304 | 4.22% |
| 135 | 0.002618 | 2,611,115 | 113,544 | 0 | 2,371,162 | 126,409 | 4.49% |
| 177 | 0.002618 | 2,614,116 | 115,038 | 0 | 2,402,797 | 96,282 | 4.75% |
| 163 | 0.002618 | 2,633,150 | 121,346 | 0 | 2,383,649 | 128,155 | 5.01% |
| 15 | 0.000642 | 2,683,706 | 389,602 | 0 | 2,124,843 | 169,261 | 5.07% |
| 218 | 0.000642 | 2,805,865 | 383,958 | 0 | 2,283,642 | 138,265 | 5.14% |
| 155 | 0.000642 | 2,948,811 | 160,522 | 0 | 2,672,231 | 116,058 | 5.20% |
| 44 | 0.002618 | 3,064,809 | 183,928 | 0 | 2,785,908 | 94,973 | 5.46% |
| 198 | 0.002618 | 3,093,387 | 104,248 | 0 | 2,871,641 | 117,498 | 5.73% |
| 211 | 0.000642 | 3,360,561 | 406,534 | 0 | 2,818,332 | 135,695 | 5.79% |
| 122 | 0.006532 | 3,383,053 | 178,782 | 0 | 3,108,232 | 96,038 | 6.44% |
| 73 | 0.006532 | 3,394,948 | 106,904 | 0 | 3,191,978 | 96,066 | 7.10% |
| 233 | 0.002618 | 3,411,667 | 78,684 | 0 | 3,189,596 | 143,388 | 7.36% |
| 36 | 0.000642 | 3,480,173 | 450,524 | 0 | 2,862,456 | 167,192 | 7.42% |
| 23 | 0.002618 | 3,647,505 | 393,088 | 0 | 3,114,441 | 139,976 | 7.68% |
| 9 | 0.002618 | 3,657,389 | 40,006 | 0 | 3,470,719 | 146,663 | 7.95% |
| 30 | 0.002618 | 3,828,790 | 212,314 | 0 | 3,488,247 | 128,229 | 8.21% |
| 65 | 0.002618 | 3,960,729 | 74,036 | 0 | 3,781,596 | 105,097 | 8.47% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 141 | 0.000642 | 4,193,611 | 488,704 | 0 | 3,493,087 | 211,820 | 8.53% |
| 241 | 0.006532 | 4,226,089 | 335,320 | 0 | 3,786,466 | 104,302 | 9.19% |
| 101 | 0.006532 | 4,747,261 | 282,532 | 0 | 4,319,575 | 145,154 | 9.84% |
| 92 | 0.000642 | 4,759,635 | 608,224 | 0 | 3,955,661 | 195,750 | 9.90% |
| 113 | 0.000642 | 4,779,874 | 117,528 | 0 | 4,502,667 | 159,678 | 9.97% |
| 185 | 0.006532 | 4,796,082 | 74,534 | 0 | 4,564,439 | 157,109 | 10.62% |
| 107 | 0.002618 | 4,798,404 | 450,358 | 0 | 4,236,243 | 111,803 | 10.88% |
| 86 | 0.002618 | 4,924,809 | 276,722 | 0 | 4,483,132 | 164,955 | 11.15% |
| 78 | 0.000642 | 5,081,266 | 51,792 | 0 | 4,895,692 | 133,782 | 11.21% |
| 45 | 0.006532 | 5,137,323 | 268,920 | 0 | 4,743,268 | 125,135 | 11.86% |
| 219 | 0.002618 | 5,293,796 | 413,672 | 0 | 4,699,139 | 180,985 | 12.12% |
| 52 | 0.006532 | 5,508,850 | 292,824 | 0 | 5,053,237 | 162,789 | 12.78% |
| 128 | 0.002618 | 5,710,372 | 466,792 | 0 | 5,062,507 | 181,073 | 13.04% |
| 199 | 0.006532 | 5,806,927 | 71,380 | 0 | 5,571,312 | 164,236 | 13.69% |
| 178 | 0.006532 | 5,807,944 | 164,838 | 0 | 5,494,195 | 148,910 | 14.35% |
| 149 | 0.002618 | 5,895,846 | 75,032 | 0 | 5,709,868 | 110,947 | 14.61% |
| 156 | 0.002618 | 6,006,830 | 192,062 | 0 | 5,648,848 | 165,920 | 14.87% |
| 3 | 0.006532 | 6,252,608 | 344,118 | 0 | 5,749,758 | 158,732 | 15.52% |
| 164 | 0.006532 | 6,412,073 | 143,258 | 0 | 6,083,271 | 185,544 | 16.18% |
| 66 | 0.006532 | 6,429,550 | 174,466 | 0 | 6,109,542 | 145,542 | 16.83% |
| 207 | 0.008986 | 6,506,776 | 154,878 | 0 | 6,227,062 | 124,836 | 17.73% |
| 191 | 0.002618 | 6,566,572 | 481,566 | 0 | 5,865,177 | 219,829 | 17.99% |
| 150 | 0.006532 | 6,585,032 | 176,790 | 0 | 6,245,744 | 162,498 | 18.64% |
| 31 | 0.006532 | 7,276,021 | 161,186 | 0 | 6,938,577 | 176,258 | 19.30% |
| 136 | 0.006532 | 7,454,089 | 472,436 | 0 | 6,802,985 | 178,668 | 19.95% |
| 169 | 0.000642 | 8,053,971 | 1,338,292 | 0 | 6,522,014 | 193,665 | 20.01% |
| 123 | 0.008986 | 8,463,208 | 423,466 | 0 | 7,908,981 | 130,762 | 20.91% |
| 16 | 0.002618 | 8,714,868 | 913,166 | 0 | 7,543,613 | 258,089 | 21.17% |
| 242 | 0.008986 | 8,715,743 | 510,118 | 0 | 8,055,736 | 149,889 | 22.07% |
| 24 | 0.006532 | 9,067,271 | 671,470 | 0 | 8,184,603 | 211,198 | 22.73% |
| 225 | 0.000642 | 9,523,366 | 1,103,568 | 0 | 8,153,772 | 266,026 | 22.79% |
| 74 | 0.008986 | 9,648,811 | 413,838 | 0 | 9,096,576 | 138,397 | 23.69% |
| 234 | 0.006532 | 9,683,531 | 354,576 | 0 | 9,138,946 | 190,010 | 24.34% |
| 10 | 0.006532 | 10,624,237 | 94,454 | 0 | 10,333,179 | 196,605 | 24.99% |
| 142 | 0.002618 | 11,022,548 | 770,406 | 0 | 9,955,875 | 296,266 | 25.26% |
| 179 | 0.008986 | 11,092,559 | 227,254 | 0 | 10,665,848 | 199,457 | 26.16% |
| 114 | 0.002618 | 11,094,688 | 230,574 | 0 | 10,630,300 | 233,814 | 26.42% |
| 79 | 0.002618 | 11,122,736 | 79,348 | 0 | 10,862,629 | 180,759 | 26.68% |
| 32 | 0.008986 | 11,248,013 | 260,122 | 0 | 10,754,965 | 232,926 | 27.58% |
| 57 | 0.000642 | 11,545,636 | 2,068,858 | 0 | 9,208,481 | 268,297 | 27.64% |
| 4 | 0.008986 | 11,589,534 | 227,918 | 0 | 11,144,247 | 217,368 | 28.54% |
| 108 | 0.006532 | 12,125,237 | 858,386 | 0 | 11,126,060 | 140,791 | 29.19% |
| 87 | 0.006532 | 12,238,930 | 307,930 | 0 | 11,713,114 | 217,886 | 29.85% |
| 46 | 0.008986 | 12,340,251 | 636,942 | 0 | 11,524,799 | 178,510 | 30.75% |
| 102 | 0.008986 | 12,690,107 | 347,438 | 0 | 12,124,824 | 217,845 | 31.64% |
| 37 | 0.002618 | 12,759,595 | 1,091,782 | 0 | 11,423,135 | 244,679 | 31.91% |
| 212 | 0.002618 | 12,792,298 | 1,423,118 | 0 | 11,168,005 | 201,175 | 32.17% |
| 53 | 0.008986 | 12,916,379 | 849,256 | 0 | 11,844,695 | 222,428 | 33.07% |
| 186 | 0.008986 | 13,401,825 | 182,434 | 0 | 12,998,110 | 221,281 | 33.96% |
| 129 | 0.006532 | 13,565,989 | 707,658 | 0 | 12,618,837 | 239,494 | 34.62% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 151 | 0.008986 | 13,592,124 | 254,312 | 0 | 13,114,827 | 222,984 | 35.52% |
| 192 | 0.006532 | 14,963,793 | 823,692 | 0 | 13,844,639 | 295,462 | 36.17% |
| 165 | 0.008986 | 15,207,643 | 423,466 | 0 | 14,534,218 | 249,959 | 37.07% |
| 200 | 0.008986 | 15,254,643 | 393,420 | 0 | 14,627,137 | 234,086 | 37.97% |
| 93 | 0.002618 | 15,444,687 | 1,629,954 | 0 | 13,533,521 | 281,212 | 38.23% |
| 208 | 0.006532 | 15,734,621 | 699,524 | 0 | 14,855,511 | 179,586 | 38.88% |
| 124 | 0.006532 | 15,825,668 | 980,396 | 0 | 14,674,069 | 171,203 | 39.54% |
| 220 | 0.006532 | 15,862,018 | 681,596 | 0 | 14,932,173 | 248,249 | 40.19% |
| 235 | 0.008986 | 16,139,895 | 281,370 | 0 | 15,598,557 | 259,968 | 41.09% |
| 213 | 0.006532 | 16,669,098 | 742,684 | 0 | 15,672,189 | 254,226 | 41.74% |
| 25 | 0.008986 | 17,070,948 | 875,816 | 0 | 15,924,082 | 271,050 | 42.64% |
| 157 | 0.006532 | 17,857,979 | 680,932 | 0 | 16,943,503 | 233,545 | 43.29% |
| 67 | 0.008986 | 18,035,588 | 349,264 | 0 | 17,490,075 | 196,248 | 44.19% |
| 17 | 0.006532 | 18,284,768 | 1,412,660 | 0 | 16,500,945 | 371,163 | 44.84% |
| 75 | 0.006532 | 18,660,995 | 551,784 | 0 | 17,915,250 | 193,960 | 45.50% |
| 38 | 0.006532 | 19,011,165 | 1,241,016 | 0 | 17,455,080 | 315,069 | 46.15% |
| 170 | 0.002618 | 19,286,061 | 2,496,640 | 0 | 16,516,112 | 273,309 | 46.41% |
| 11 | 0.008986 | 19,924,157 | 156,704 | 0 | 19,513,088 | 254,365 | 47.31% |
| 243 | 0.006532 | 20,157,755 | 1,897,048 | 0 | 18,054,813 | 205,894 | 47.96% |
| 137 | 0.008986 | 20,448,032 | 1,206,986 | 0 | 18,984,241 | 256,805 | 48.86% |
| 226 | 0.002618 | 22,050,163 | 1,960,792 | 0 | 19,731,473 | 357,897 | 49.12% |
| 80 | 0.006532 | 22,821,382 | 114,706 | 0 | 22,454,310 | 252,366 | 49.78% |
| 88 | 0.008986 | 23,666,271 | 730,234 | 0 | 22,636,389 | 299,648 | 50.68% |
| 47 | 0.006532 | 24,174,388 | 1,057,752 | 0 | 22,883,442 | 233,195 | 51.33% |
| 109 | 0.008986 | 26,054,240 | 1,810,894 | 0 | 24,059,090 | 184,256 | 52.23% |
| 5 | 0.006532 | 28,327,497 | 509,122 | 0 | 27,525,987 | 292,388 | 52.88% |
| 103 | 0.006532 | 28,943,186 | 853,406 | 0 | 27,804,902 | 284,878 | 53.53% |
| 187 | 0.006532 | 29,081,290 | 514,932 | 0 | 28,278,639 | 287,719 | 54.19% |
| 158 | 0.008986 | 29,356,421 | 548,464 | 0 | 28,506,248 | 301,710 | 55.09% |
| 143 | 0.006532 | 29,550,270 | 1,783,338 | 0 | 27,367,169 | 399,763 | 55.74% |
| 152 | 0.006532 | 29,812,821 | 540,330 | 0 | 28,981,981 | 290,510 | 56.39% |
| 58 | 0.002618 | 30,511,649 | 4,400,162 | 0 | 25,751,407 | 360,081 | 56.65% |
| 221 | 0.008986 | 30,704,996 | 1,038,330 | 0 | 29,346,152 | 320,515 | 57.55% |
| 33 | 0.006532 | 32,314,645 | 653,708 | 0 | 31,325,391 | 335,545 | 58.21% |
| 68 | 0.006532 | 32,595,085 | 1,065,388 | 0 | 31,262,777 | 266,920 | 58.86% |
| 130 | 0.008986 | 33,002,016 | 1,803,258 | 0 | 30,883,372 | 315,387 | 59.76% |
| 209 | 0.002618 | 33,021,631 | 2,519,216 | 0 | 30,270,793 | 231,622 | 60.02% |
| 115 | 0.006532 | 33,106,789 | 564,732 | 0 | 32,241,003 | 301,054 | 60.67% |
| 201 | 0.006532 | 33,172,438 | 1,361,698 | 0 | 31,502,778 | 307,962 | 61.33% |
| 54 | 0.006532 | 33,661,916 | 2,684,552 | 0 | 30,665,324 | 312,040 | 61.98% |
| 180 | 0.006532 | 33,970,030 | 1,013,098 | 0 | 32,683,536 | 273,396 | 62.63% |
| 166 | 0.006532 | 34,437,355 | 580,834 | 0 | 33,519,061 | 337,460 | 63.29% |
| 193 | 0.008986 | 36,134,651 | 1,420,130 | 0 | 34,309,931 | 404,590 | 64.18% |
| 94 | 0.006532 | 36,555,653 | 2,804,570 | 0 | 33,364,950 | 386,133 | 64.84% |
| 76 | 0.002618 | 36,609,731 | 616,856 | 0 | 35,731,715 | 261,159 | 65.10% |
| 214 | 0.008986 | 37,521,499 | 1,908,170 | 0 | 35,272,413 | 340,916 | 66.00% |
| 125 | 0.002618 | 39,833,634 | 4,051,396 | 0 | 35,539,857 | 242,381 | 66.26% |
| 12 | 0.006532 | 39,993,886 | 240,866 | 0 | 39,408,619 | 344,401 | 66.91% |
| 81 | 0.008986 | 40,954,650 | 341,462 | 0 | 40,292,029 | 321,160 | 67.81% |
| 236 | 0.006532 | 41,947,739 | 957,322 | 0 | 40,649,775 | 340,642 | 68.46% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|------------|--------|-----------------------|---------------|----------|
| 244 | 0.002618 | 42,357,902 | 5,604,658 | 0 | 36,471,960 | 281,284 | 68.73% |
| 18 | 0.008986 | 42,857,277 | 4,215,072 | 0 | 38,141,385 | 500,820 | 69.62% |
| 39 | 0.008986 | 42,915,073 | 2,095,418 | 0 | 40,400,095 | 419,559 | 70.52% |
| 171 | 0.006532 | 43,719,977 | 7,031,262 | 0 | 36,350,186 | 338,529 | 71.18% |
| 26 | 0.006532 | 43,855,214 | 3,130,428 | 0 | 40,351,054 | 373,732 | 71.83% |
| 227 | 0.006532 | 45,385,545 | 3,373,618 | 0 | 41,551,602 | 460,325 | 72.48% |
| 116 | 0.008986 | 46,504,136 | 520,908 | 0 | 45,605,709 | 377,519 | 73.38% |
| 138 | 0.006532 | 46,766,578 | 2,719,246 | 0 | 43,685,513 | 361,819 | 74.03% |
| 89 | 0.006532 | 47,004,778 | 979,566 | 0 | 45,640,388 | 384,825 | 74.69% |
| 48 | 0.002618 | 51,910,276 | 3,424,912 | 0 | 48,160,493 | 324,872 | 74.95% |
| 131 | 0.006532 | 53,276,561 | 1,678,758 | 0 | 51,176,187 | 421,616 | 75.60% |
| 110 | 0.006532 | 57,861,649 | 4,823,130 | 0 | 52,797,206 | 241,313 | 76.26% |
| 188 | 0.002618 | 58,041,501 | 800,784 | 0 | 56,844,936 | 395,781 | 76.52% |
| 144 | 0.008986 | 59,401,452 | 3,808,206 | 0 | 55,083,201 | 510,044 | 77.42% |
| 6 | 0.002618 | 60,015,948 | 871,168 | 0 | 58,766,487 | 378,293 | 77.68% |
| 69 | 0.002618 | 60,054,824 | 3,660,134 | 0 | 56,061,231 | 333,459 | 77.94% |
| 159 | 0.006532 | 62,742,382 | 1,305,922 | 0 | 61,038,962 | 397,499 | 78.59% |
| 153 | 0.002618 | 64,467,251 | 674,790 | 0 | 63,402,854 | 389,607 | 78.86% |
| 55 | 0.002618 | 65,343,470 | 9,986,726 | 0 | 54,957,793 | 398,951 | 79.12% |
| 181 | 0.002618 | 65,576,579 | 2,463,274 | 0 | 62,738,878 | 374,427 | 79.38% |
| 210 | 0.000642 | 65,590,023 | 7,362,598 | 0 | 57,888,882 | 338,542 | 79.44% |
| 167 | 0.002618 | 66,605,711 | 778,374 | 0 | 65,394,028 | 433,309 | 79.70% |
| 34 | 0.002618 | 66,664,938 | 1,639,914 | 0 | 64,587,122 | 437,902 | 79.97% |
| 104 | 0.002618 | 69,692,243 | 1,718,764 | 0 | 67,574,571 | 398,908 | 80.23% |
| 13 | 0.002618 | 69,955,189 | 1,119,338 | 0 | 68,403,554 | 432,297 | 80.49% |
| 59 | 0.006532 | 71,208,443 | 13,035,316 | 0 | 57,717,274 | 455,853 | 81.14% |
| 222 | 0.006532 | 71,540,434 | 2,146,048 | 0 | 68,962,849 | 431,537 | 81.80% |
| 202 | 0.002618 | 71,607,975 | 3,761,726 | 0 | 67,439,078 | 407,172 | 82.06% |
| 95 | 0.008986 | 71,838,476 | 4,235,158 | 0 | 67,106,156 | 497,162 | 82.96% |
| 77 | 0.000642 | 78,516,388 | 1,323,518 | 0 | 76,817,924 | 374,947 | 83.02% |
| 126 | 0.000642 | 79,591,629 | 11,237,204 | 0 | 68,040,384 | 314,041 | 83.09% |
| 237 | 0.002618 | 83,835,145 | 1,292,476 | 0 | 82,093,435 | 449,234 | 83.35% |
| 194 | 0.006532 | 84,692,502 | 2,802,412 | 0 | 81,360,720 | 529,370 | 84.00% |
| 215 | 0.006532 | 86,326,488 | 5,562,992 | 0 | 80,308,271 | 455,225 | 84.65% |
| 27 | 0.002618 | 87,215,570 | 9,897,252 | 0 | 76,815,193 | 503,125 | 84.92% |
| 82 | 0.006532 | 89,806,358 | 813,732 | 0 | 88,560,673 | 431,953 | 85.57% |
| 245 | 0.000642 | 92,445,811 | 18,331,214 | 0 | 73,742,384 | 372,212 | 85.63% |
| 40 | 0.006532 | 93,591,482 | 5,851,832 | 0 | 87,204,631 | 535,019 | 86.29% |
| 139 | 0.002618 | 95,635,892 | 8,393,292 | 0 | 86,771,134 | 471,466 | 86.55% |
| 172 | 0.008986 | 97,123,516 | 22,171,956 | 0 | 74,512,289 | 439,271 | 87.45% |
| 90 | 0.002618 | 97,363,985 | 2,327,818 | 0 | 94,529,165 | 507,002 | 87.71% |
| 228 | 0.008986 | 101,717,279 | 10,832,828 | 0 | 90,300,708 | 583,742 | 88.61% |
| 117 | 0.006532 | 102,114,115 | 1,386,598 | 0 | 100,245,126 | 482,391 | 89.26% |
| 19 | 0.006532 | 104,983,608 | 14,552,556 | 0 | 89,767,436 | 663,617 | 89.91% |
| 111 | 0.002618 | 108,566,812 | 13,197,498 | 0 | 95,066,792 | 302,522 | 90.18% |
| 145 | 0.006532 | 116,557,955 | 8,068,264 | 0 | 107,846,974 | 642,716 | 90.83% |
| 132 | 0.002618 | 117,032,594 | 4,888,036 | 0 | 111,604,798 | 539,760 | 91.09% |
| 160 | 0.002618 | 118,737,110 | 3,342,742 | 0 | 114,873,889 | 520,480 | 91.35% |
| 49 | 0.000642 | 120,351,276 | 10,110,064 | 0 | 109,800,462 | 440,750 | 91.42% |
| 189 | 0.000642 | 128,168,284 | 2,576,154 | 0 | 125,070,631 | 521,499 | 91.48% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 105 | 0.000642 | 129,544,589 | 2,714,764 | 0 | 126,307,490 | 522,335 | 91.54% |
| 182 | 0.000642 | 133,568,594 | 5,932,342 | 0 | 127,131,550 | 504,702 | 91.61% |
| 70 | 0.000642 | 134,948,936 | 11,198,360 | 0 | 123,270,768 | 479,808 | 91.67% |
| 35 | 0.000642 | 135,701,023 | 4,782,792 | 0 | 130,336,140 | 582,091 | 91.74% |
| 168 | 0.000642 | 141,297,114 | 1,492,174 | 0 | 139,227,749 | 577,191 | 91.80% |
| 7 | 0.000642 | 144,234,814 | 1,878,954 | 0 | 141,818,194 | 537,667 | 91.87% |
| 154 | 0.000642 | 148,111,217 | 2,082,138 | 0 | 145,499,229 | 529,850 | 91.93% |
| 14 | 0.000642 | 148,896,100 | 3,522,354 | 0 | 144,815,598 | 558,147 | 91.99% |
| 203 | 0.000642 | 150,726,986 | 13,790,118 | 0 | 136,381,146 | 555,723 | 92.06% |
| 60 | 0.008986 | 150,917,956 | 38,841,510 | 0 | 111,510,019 | 566,428 | 92.96% |
| 83 | 0.002618 | 151,430,283 | 1,678,260 | 0 | 149,218,897 | 533,127 | 93.22% |
| 223 | 0.002618 | 153,151,107 | 6,274,302 | 0 | 146,336,483 | 540,322 | 93.48% |
| 195 | 0.002618 | 155,723,672 | 5,483,146 | 0 | 149,579,943 | 660,583 | 93.74% |
| 56 | 0.000642 | 156,349,970 | 36,053,872 | 0 | 119,746,087 | 550,011 | 93.81% |
| 96 | 0.006532 | 158,088,865 | 10,656,370 | 0 | 146,807,293 | 625,202 | 94.46% |
| 216 | 0.002618 | 158,854,151 | 11,463,794 | 0 | 146,796,641 | 593,716 | 94.72% |
| 238 | 0.000642 | 169,371,783 | 2,399,032 | 0 | 166,354,346 | 618,405 | 94.79% |
| 118 | 0.002618 | 185,169,975 | 3,343,406 | 0 | 181,213,273 | 613,296 | 95.05% |
| 41 | 0.002618 | 189,113,923 | 14,764,206 | 0 | 173,658,374 | 691,343 | 95.31% |
| 28 | 0.000642 | 196,300,934 | 29,375,194 | 0 | 166,236,498 | 689,242 | 95.37% |
| 20 | 0.002618 | 198,774,962 | 41,332,838 | 0 | 156,584,745 | 857,379 | 95.64% |
| 173 | 0.006532 | 201,055,185 | 51,066,580 | 0 | 149,423,822 | 564,783 | 96.29% |
| 229 | 0.006532 | 202,702,503 | 29,021,116 | 0 | 172,967,613 | 713,774 | 96.94% |
| 140 | 0.000642 | 206,808,618 | 26,861,290 | 0 | 179,319,794 | 627,534 | 97.01% |
| 112 | 0.000642 | 213,983,411 | 36,744,266 | 0 | 176,855,573 | 383,572 | 97.07% |
| 146 | 0.002618 | 215,615,829 | 19,654,068 | 0 | 195,177,629 | 784,133 | 97.33% |
| 91 | 0.000642 | 230,951,323 | 6,823,098 | 0 | 223,454,094 | 674,131 | 97.40% |
| 161 | 0.000642 | 242,785,877 | 10,788,506 | 0 | 231,333,261 | 664,110 | 97.46% |
| 133 | 0.000642 | 248,935,428 | 14,523,672 | 0 | 233,717,311 | 694,445 | 97.52% |
| 224 | 0.000642 | 283,461,232 | 14,334,432 | 0 | 268,441,347 | 685,453 | 97.59% |
| 97 | 0.002618 | 299,664,323 | 26,270,828 | 0 | 272,629,238 | 764,257 | 97.85% |
| 61 | 0.006532 | 302,602,027 | 95,635,754 | 0 | 206,267,104 | 699,169 | 98.50% |
| 84 | 0.000642 | 311,101,806 | 2,271,378 | 0 | 308,117,759 | 712,669 | 98.57% |
| 119 | 0.000642 | 340,926,613 | 11,315,390 | 0 | 328,856,800 | 754,423 | 98.63% |
| 196 | 0.000642 | 341,681,377 | 15,325,120 | 0 | 325,513,869 | 842,387 | 98.70% |
| 174 | 0.002618 | 347,285,376 | 121,035,580 | 0 | 225,571,275 | 678,521 | 98.96% |
| 217 | 0.000642 | 353,395,986 | 36,188,830 | 0 | 316,414,900 | 792,255 | 99.02% |
| 42 | 0.000642 | 385,044,727 | 36,565,650 | 0 | 347,582,524 | 896,553 | 99.09% |
| 230 | 0.002618 | 399,693,199 | 71,691,748 | 0 | 327,104,701 | 896,750 | 99.35% |
| 147 | 0.000642 | 460,282,663 | 61,862,888 | 0 | 397,413,179 | 1,006,597 | 99.41% |
| 21 | 0.000642 | 466,081,786 | 141,667,388 | 0 | 323,296,415 | 1,117,983 | 99.48% |
| 62 | 0.002618 | 537,838,521 | 237,019,780 | 0 | 299,975,140 | 843,600 | 99.74% |
| 98 | 0.000642 | 615,380,265 | 83,340,964 | 0 | 531,089,112 | 950,189 | 99.80% |
| 175 | 0.000642 | 650,835,710 | 277,312,628 | 0 | 372,667,027 | 856,055 | 99.87% |
| 231 | 0.000642 | 779,715,460 | 225,351,474 | 0 | 553,258,453 | 1,105,533 | 99.93% |
| 63 | 0.000642 | 952,079,761 | 486,623,356 | 0 | 464,406,055 | 1,050,350 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 204 | 0.000642 | 289,607 | 9,628 | 0 | 243,746 | 36,233 | 0.06% |
| 120 | 0.000642 | 334,124 | 34,362 | 0 | 256,789 | 42,973 | 0.13% |
| 239 | 0.000642 | 337,373 | 29,216 | 0 | 260,205 | 47,952 | 0.19% |
| 50 | 0.000642 | 532,774 | 54,780 | 0 | 405,289 | 72,705 | 0.26% |
| 29 | 0.000642 | 550,147 | 29,216 | 0 | 444,308 | 76,623 | 0.32% |
| 43 | 0.000642 | 560,803 | 73,870 | 0 | 431,260 | 55,673 | 0.39% |
| 99 | 0.000642 | 569,618 | 13,446 | 0 | 492,257 | 63,915 | 0.45% |
| 1 | 0.000642 | 589,126 | 17,430 | 0 | 496,746 | 74,950 | 0.51% |
| 205 | 0.002618 | 615,438 | 0 | 0 | 559,055 | 56,383 | 0.78% |
| 71 | 0.000642 | 620,584 | 27,556 | 0 | 552,912 | 40,116 | 0.84% |
| 64 | 0.000642 | 665,510 | 58,930 | 0 | 535,415 | 71,165 | 0.90% |
| 232 | 0.000642 | 670,795 | 29,216 | 0 | 559,314 | 82,266 | 0.97% |
| 162 | 0.000642 | 706,425 | 121,844 | 0 | 498,520 | 86,061 | 1.03% |
| 134 | 0.000642 | 745,796 | 117,528 | 0 | 551,686 | 76,582 | 1.10% |
| 148 | 0.000642 | 754,771 | 71,214 | 0 | 606,791 | 76,766 | 1.16% |
| 22 | 0.000642 | 961,856 | 113,544 | 0 | 756,436 | 91,876 | 1.22% |
| 183 | 0.000642 | 962,848 | 8,134 | 0 | 876,368 | 78,346 | 1.29% |
| 106 | 0.000642 | 1,009,667 | 140,270 | 0 | 799,723 | 69,674 | 1.35% |
| 240 | 0.002618 | 1,062,254 | 44,488 | 0 | 945,453 | 72,313 | 1.62% |
| 176 | 0.000642 | 1,084,058 | 11,122 | 0 | 1,007,336 | 65,600 | 1.68% |
| 197 | 0.000642 | 1,106,709 | 51,128 | 0 | 979,283 | 76,298 | 1.74% |
| 72 | 0.002618 | 1,107,432 | 177,288 | 0 | 864,884 | 65,260 | 2.01% |
| 206 | 0.006532 | 1,250,265 | 42,164 | 0 | 1,125,503 | 82,598 | 2.66% |
| 121 | 0.002618 | 1,295,179 | 132,966 | 0 | 1,094,631 | 67,582 | 2.92% |
| 177 | 0.002618 | 1,352,341 | 29,050 | 0 | 1,225,285 | 98,006 | 3.18% |
| 8 | 0.000642 | 1,356,352 | 63,080 | 0 | 1,185,446 | 107,826 | 3.25% |
| 15 | 0.000642 | 1,501,322 | 118,524 | 0 | 1,221,098 | 161,700 | 3.31% |
| 127 | 0.000642 | 1,516,737 | 161,850 | 0 | 1,232,105 | 122,782 | 3.37% |
| 184 | 0.002618 | 1,588,654 | 34,362 | 0 | 1,450,649 | 103,644 | 3.64% |
| 51 | 0.002618 | 1,703,182 | 112,382 | 0 | 1,483,035 | 107,766 | 3.90% |
| 100 | 0.002618 | 1,709,153 | 89,142 | 0 | 1,519,245 | 100,766 | 4.16% |
| 155 | 0.000642 | 1,716,353 | 85,324 | 0 | 1,504,722 | 126,307 | 4.22% |
| 44 | 0.002618 | 1,774,138 | 82,668 | 0 | 1,610,013 | 81,457 | 4.49% |
| 163 | 0.002618 | 1,775,545 | 114,208 | 0 | 1,542,050 | 119,287 | 4.75% |
| 198 | 0.002618 | 1,926,664 | 50,630 | 0 | 1,764,139 | 111,894 | 5.01% |
| 30 | 0.002618 | 1,951,401 | 120,018 | 0 | 1,719,095 | 112,288 | 5.27% |
| 190 | 0.000642 | 1,969,462 | 226,424 | 0 | 1,581,653 | 161,386 | 5.34% |
| 233 | 0.002618 | 2,021,207 | 60,590 | 0 | 1,838,412 | 122,205 | 5.60% |
| 73 | 0.006532 | 2,275,255 | 166,498 | 0 | 2,019,495 | 89,262 | 6.25% |
| 135 | 0.002618 | 2,281,692 | 220,614 | 0 | 1,937,809 | 123,269 | 6.51% |
| 218 | 0.000642 | 2,296,782 | 220,780 | 0 | 1,939,770 | 136,231 | 6.58% |
| 65 | 0.002618 | 2,310,768 | 67,230 | 0 | 2,142,813 | 100,725 | 6.84% |
| 141 | 0.000642 | 2,350,932 | 214,804 | 0 | 1,921,725 | 214,403 | 6.90% |
| 241 | 0.006532 | 2,441,296 | 99,932 | 0 | 2,243,842 | 97,521 | 7.56% |
| 2 | 0.002618 | 2,446,607 | 123,338 | 0 | 2,210,366 | 112,903 | 7.82% |
| 149 | 0.002618 | 2,474,666 | 108,398 | 0 | 2,260,750 | 105,518 | 8.08% |
| 36 | 0.000642 | 2,574,911 | 365,698 | 0 | 2,035,345 | 173,868 | 8.14% |
| 122 | 0.006532 | 2,606,995 | 56,274 | 0 | 2,461,846 | 88,875 | 8.80% |
| 211 | 0.000642 | 2,694,782 | 343,620 | 0 | 2,218,961 | 132,201 | 8.86% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|-----------|--------|-----------------------|---------------|----------|
| 78 | 0.000642 | 2,728,259 | 68,558 | 0 | 2,533,448 | 126,253 | 8.93% |
| 85 | 0.000642 | 2,799,260 | 90,636 | 0 | 2,600,769 | 107,855 | 8.99% |
| 23 | 0.002618 | 2,886,961 | 177,952 | 0 | 2,575,506 | 133,503 | 9.25% |
| 9 | 0.002618 | 2,931,219 | 13,778 | 0 | 2,775,443 | 141,999 | 9.51% |
| 86 | 0.002618 | 3,169,677 | 146,910 | 0 | 2,865,431 | 157,335 | 9.77% |
| 207 | 0.008986 | 3,291,332 | 80,842 | 0 | 3,097,659 | 112,831 | 10.67% |
| 185 | 0.006532 | 3,314,255 | 73,040 | 0 | 3,091,823 | 149,391 | 11.33% |
| 45 | 0.006532 | 3,456,280 | 255,972 | 0 | 3,085,568 | 114,740 | 11.98% |
| 164 | 0.006532 | 3,486,831 | 78,850 | 0 | 3,236,774 | 171,207 | 12.63% |
| 113 | 0.000642 | 3,624,295 | 184,924 | 0 | 3,280,839 | 158,533 | 12.70% |
| 52 | 0.006532 | 3,696,963 | 232,234 | 0 | 3,309,071 | 155,658 | 13.35% |
| 199 | 0.006532 | 3,831,927 | 176,624 | 0 | 3,499,409 | 155,894 | 14.00% |
| 178 | 0.006532 | 3,841,339 | 101,758 | 0 | 3,609,761 | 129,820 | 14.66% |
| 128 | 0.002618 | 3,889,169 | 170,150 | 0 | 3,547,975 | 171,044 | 14.92% |
| 156 | 0.002618 | 3,904,724 | 101,924 | 0 | 3,642,736 | 160,064 | 15.18% |
| 101 | 0.006532 | 3,925,249 | 230,242 | 0 | 3,543,063 | 151,944 | 15.83% |
| 150 | 0.006532 | 4,087,163 | 101,592 | 0 | 3,835,225 | 150,346 | 16.49% |
| 3 | 0.006532 | 4,322,894 | 141,432 | 0 | 4,026,647 | 154,815 | 17.14% |
| 219 | 0.002618 | 4,390,898 | 303,448 | 0 | 3,901,545 | 185,905 | 17.40% |
| 31 | 0.006532 | 4,525,735 | 139,938 | 0 | 4,220,082 | 165,716 | 18.06% |
| 92 | 0.000642 | 4,726,895 | 559,586 | 0 | 3,954,591 | 212,719 | 18.12% |
| 234 | 0.006532 | 5,069,591 | 200,030 | 0 | 4,689,259 | 180,303 | 18.77% |
| 212 | 0.002618 | 5,193,245 | 425,956 | 0 | 4,571,222 | 196,067 | 19.03% |
| 225 | 0.000642 | 5,233,312 | 635,448 | 0 | 4,329,537 | 268,326 | 19.10% |
| 66 | 0.006532 | 5,292,504 | 157,036 | 0 | 4,989,760 | 145,708 | 19.75% |
| 16 | 0.002618 | 5,394,956 | 523,896 | 0 | 4,625,713 | 245,347 | 20.01% |
| 107 | 0.002618 | 5,431,393 | 499,162 | 0 | 4,825,260 | 106,971 | 20.28% |
| 191 | 0.002618 | 5,617,327 | 333,992 | 0 | 5,058,105 | 225,230 | 20.54% |
| 136 | 0.006532 | 5,714,056 | 377,816 | 0 | 5,160,632 | 175,608 | 21.19% |
| 74 | 0.008986 | 5,715,611 | 143,258 | 0 | 5,444,298 | 128,054 | 22.09% |
| 37 | 0.002618 | 5,750,437 | 480,238 | 0 | 5,031,870 | 238,329 | 22.35% |
| 242 | 0.008986 | 6,161,005 | 412,510 | 0 | 5,602,605 | 145,890 | 23.25% |
| 24 | 0.006532 | 6,570,220 | 427,948 | 0 | 5,938,950 | 203,322 | 23.90% |
| 114 | 0.002618 | 6,744,020 | 155,210 | 0 | 6,373,617 | 215,194 | 24.16% |
| 79 | 0.002618 | 6,903,562 | 155,044 | 0 | 6,560,365 | 188,153 | 24.43% |
| 123 | 0.008986 | 7,057,500 | 275,726 | 0 | 6,656,816 | 124,958 | 25.32% |
| 10 | 0.006532 | 7,383,018 | 78,186 | 0 | 7,120,067 | 184,764 | 25.98% |
| 57 | 0.000642 | 7,509,945 | 1,273,552 | 0 | 5,969,398 | 266,995 | 26.04% |
| 87 | 0.006532 | 7,553,197 | 292,658 | 0 | 7,042,985 | 217,554 | 26.70% |
| 67 | 0.008986 | 7,772,163 | 197,872 | 0 | 7,391,554 | 182,737 | 27.59% |
| 108 | 0.006532 | 7,990,259 | 590,794 | 0 | 7,259,639 | 139,827 | 28.25% |
| 46 | 0.008986 | 8,212,954 | 291,164 | 0 | 7,754,635 | 167,155 | 29.15% |
| 169 | 0.000642 | 8,299,283 | 1,215,286 | 0 | 6,889,675 | 194,322 | 29.21% |
| 157 | 0.006532 | 8,408,591 | 222,606 | 0 | 7,966,531 | 219,454 | 29.86% |
| 186 | 0.008986 | 8,694,938 | 88,146 | 0 | 8,396,746 | 210,046 | 30.76% |
| 4 | 0.008986 | 9,435,301 | 242,692 | 0 | 8,982,685 | 209,924 | 31.66% |
| 53 | 0.008986 | 9,538,441 | 505,470 | 0 | 8,810,185 | 222,786 | 32.56% |
| 102 | 0.008986 | 9,633,757 | 216,796 | 0 | 9,214,614 | 202,348 | 33.46% |
| 129 | 0.006532 | 9,697,653 | 524,892 | 0 | 8,932,309 | 240,452 | 34.11% |
| 208 | 0.006532 | 9,698,141 | 361,050 | 0 | 9,172,202 | 164,889 | 34.76% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 32 | 0.008986 | 9,735,506 | 189,406 | 0 | 9,312,018 | 234,082 | 35.66% |
| 142 | 0.002618 | 10,143,785 | 633,622 | 0 | 9,198,181 | 311,982 | 35.92% |
| 200 | 0.008986 | 10,243,728 | 308,594 | 0 | 9,721,265 | 213,869 | 36.82% |
| 93 | 0.002618 | 10,724,411 | 723,760 | 0 | 9,702,179 | 298,472 | 37.08% |
| 165 | 0.008986 | 11,038,533 | 240,368 | 0 | 10,560,886 | 237,278 | 37.98% |
| 80 | 0.006532 | 11,068,727 | 69,056 | 0 | 10,765,522 | 234,149 | 38.64% |
| 220 | 0.006532 | 11,879,221 | 566,060 | 0 | 11,060,222 | 252,938 | 39.29% |
| 179 | 0.008986 | 11,940,777 | 241,032 | 0 | 11,504,676 | 195,069 | 40.19% |
| 151 | 0.008986 | 12,015,160 | 203,184 | 0 | 11,602,727 | 209,249 | 41.09% |
| 17 | 0.006532 | 12,120,423 | 1,064,392 | 0 | 10,706,210 | 349,821 | 41.74% |
| 75 | 0.006532 | 12,211,017 | 422,968 | 0 | 11,606,954 | 181,095 | 42.39% |
| 192 | 0.006532 | 12,401,322 | 718,614 | 0 | 11,375,084 | 307,625 | 43.05% |
| 25 | 0.008986 | 12,671,519 | 506,964 | 0 | 11,895,924 | 268,631 | 43.95% |
| 124 | 0.006532 | 13,421,279 | 845,438 | 0 | 12,402,731 | 173,110 | 44.60% |
| 235 | 0.008986 | 13,518,144 | 332,166 | 0 | 12,943,339 | 242,638 | 45.50% |
| 38 | 0.006532 | 13,590,738 | 720,274 | 0 | 12,551,371 | 319,093 | 46.15% |
| 137 | 0.008986 | 13,692,709 | 861,872 | 0 | 12,581,065 | 249,772 | 47.05% |
| 88 | 0.008986 | 15,231,585 | 389,602 | 0 | 14,542,494 | 299,489 | 47.95% |
| 243 | 0.006532 | 15,555,838 | 1,532,678 | 0 | 13,825,261 | 197,899 | 48.60% |
| 170 | 0.002618 | 15,598,340 | 2,312,048 | 0 | 13,011,097 | 275,196 | 48.86% |
| 213 | 0.006532 | 15,665,201 | 1,117,844 | 0 | 14,273,408 | 273,949 | 49.52% |
| 47 | 0.006532 | 15,858,248 | 709,484 | 0 | 14,909,227 | 239,537 | 50.17% |
| 226 | 0.002618 | 15,935,192 | 1,588,786 | 0 | 13,986,905 | 359,501 | 50.43% |
| 115 | 0.006532 | 16,006,584 | 231,404 | 0 | 15,489,591 | 285,589 | 51.08% |
| 109 | 0.008986 | 17,163,819 | 774,722 | 0 | 16,209,391 | 179,707 | 51.98% |
| 209 | 0.002618 | 17,477,532 | 1,626,800 | 0 | 15,634,716 | 216,016 | 52.24% |
| 143 | 0.006532 | 18,486,825 | 1,374,812 | 0 | 16,718,227 | 393,786 | 52.90% |
| 180 | 0.006532 | 18,598,387 | 755,300 | 0 | 17,579,481 | 263,606 | 53.55% |
| 11 | 0.008986 | 19,268,039 | 144,752 | 0 | 18,869,065 | 254,222 | 54.45% |
| 187 | 0.006532 | 19,403,987 | 327,186 | 0 | 18,798,693 | 278,108 | 55.10% |
| 158 | 0.008986 | 19,410,248 | 507,130 | 0 | 18,600,261 | 302,857 | 56.00% |
| 103 | 0.006532 | 19,772,908 | 531,698 | 0 | 18,958,279 | 282,930 | 56.65% |
| 68 | 0.006532 | 20,353,535 | 1,099,584 | 0 | 18,997,838 | 256,112 | 57.31% |
| 166 | 0.006532 | 20,860,544 | 175,130 | 0 | 20,368,891 | 316,523 | 57.96% |
| 130 | 0.008986 | 21,550,786 | 1,089,458 | 0 | 20,135,138 | 326,191 | 58.86% |
| 201 | 0.006532 | 21,866,909 | 840,292 | 0 | 20,739,619 | 286,998 | 59.51% |
| 54 | 0.006532 | 22,526,326 | 1,847,580 | 0 | 20,387,960 | 290,786 | 60.17% |
| 152 | 0.006532 | 23,001,149 | 474,594 | 0 | 22,248,995 | 277,559 | 60.82% |
| 33 | 0.006532 | 23,067,906 | 404,210 | 0 | 22,346,960 | 316,736 | 61.47% |
| 221 | 0.008986 | 24,707,651 | 841,620 | 0 | 23,530,316 | 335,716 | 62.37% |
| 5 | 0.006532 | 24,887,291 | 596,106 | 0 | 23,990,431 | 300,754 | 63.02% |
| 58 | 0.002618 | 25,448,255 | 3,567,506 | 0 | 21,496,790 | 383,958 | 63.29% |
| 236 | 0.006532 | 25,886,504 | 391,760 | 0 | 25,166,012 | 328,732 | 63.94% |
| 193 | 0.008986 | 27,942,506 | 1,128,468 | 0 | 26,386,718 | 427,320 | 64.84% |
| 12 | 0.006532 | 27,964,560 | 197,374 | 0 | 27,434,242 | 332,944 | 65.49% |
| 125 | 0.002618 | 29,363,178 | 2,584,454 | 0 | 26,541,099 | 237,625 | 65.75% |
| 18 | 0.008986 | 30,386,241 | 3,214,424 | 0 | 26,702,311 | 469,506 | 66.65% |
| 39 | 0.008986 | 30,584,657 | 1,770,224 | 0 | 28,402,610 | 411,824 | 67.55% |
| 214 | 0.008986 | 30,800,650 | 1,889,080 | 0 | 28,559,551 | 352,019 | 68.45% |
| 244 | 0.002618 | 30,931,338 | 4,191,002 | 0 | 26,478,689 | 261,647 | 68.71% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|------------|--------|-----------------------|---------------|----------|
| 94 | 0.006532 | 31,385,210 | 2,584,288 | 0 | 28,393,630 | 407,292 | 69.36% |
| 26 | 0.006532 | 31,454,755 | 2,699,658 | 0 | 28,389,903 | 365,195 | 70.02% |
| 81 | 0.008986 | 31,680,991 | 317,890 | 0 | 31,041,879 | 321,222 | 70.91% |
| 138 | 0.006532 | 31,708,441 | 1,843,430 | 0 | 29,523,403 | 341,608 | 71.57% |
| 76 | 0.002618 | 32,517,324 | 912,834 | 0 | 31,350,154 | 254,336 | 71.83% |
| 48 | 0.002618 | 33,424,696 | 2,056,242 | 0 | 31,051,460 | 316,994 | 72.09% |
| 89 | 0.006532 | 33,764,595 | 682,426 | 0 | 32,687,960 | 394,209 | 72.74% |
| 116 | 0.008986 | 33,825,337 | 798,128 | 0 | 32,649,812 | 377,397 | 73.64% |
| 227 | 0.006532 | 34,190,029 | 3,006,758 | 0 | 30,722,774 | 460,497 | 74.30% |
| 181 | 0.002618 | 35,143,921 | 1,407,348 | 0 | 33,393,138 | 343,435 | 74.56% |
| 171 | 0.006532 | 37,171,236 | 5,527,800 | 0 | 31,280,479 | 362,957 | 75.21% |
| 131 | 0.006532 | 41,330,876 | 1,280,192 | 0 | 39,620,746 | 429,938 | 75.86% |
| 210 | 0.000642 | 41,546,578 | 4,999,256 | 0 | 36,246,452 | 300,869 | 75.93% |
| 153 | 0.002618 | 42,777,999 | 592,454 | 0 | 41,803,258 | 382,288 | 76.19% |
| 188 | 0.002618 | 43,163,226 | 729,902 | 0 | 42,036,171 | 397,153 | 76.45% |
| 144 | 0.008986 | 43,555,721 | 2,490,664 | 0 | 40,542,235 | 522,821 | 77.35% |
| 104 | 0.002618 | 43,684,455 | 829,502 | 0 | 42,469,147 | 385,807 | 77.61% |
| 159 | 0.006532 | 44,752,843 | 1,180,758 | 0 | 43,167,833 | 404,251 | 78.27% |
| 110 | 0.006532 | 45,813,467 | 4,508,726 | 0 | 41,069,675 | 235,066 | 78.92% |
| 69 | 0.002618 | 46,241,691 | 2,622,634 | 0 | 43,265,739 | 353,318 | 79.18% |
| 6 | 0.002618 | 47,020,818 | 641,590 | 0 | 45,981,779 | 397,449 | 79.44% |
| 34 | 0.002618 | 47,727,290 | 1,039,492 | 0 | 46,261,032 | 426,767 | 79.70% |
| 202 | 0.002618 | 48,489,444 | 2,778,508 | 0 | 45,322,297 | 388,640 | 79.97% |
| 167 | 0.002618 | 48,536,230 | 556,432 | 0 | 47,546,429 | 433,368 | 80.23% |
| 55 | 0.002618 | 48,599,140 | 7,587,030 | 0 | 40,604,493 | 407,618 | 80.49% |
| 13 | 0.002618 | 51,498,238 | 662,672 | 0 | 50,413,896 | 421,669 | 80.75% |
| 222 | 0.006532 | 56,194,903 | 2,030,180 | 0 | 53,727,961 | 436,762 | 81.41% |
| 77 | 0.000642 | 56,984,301 | 766,920 | 0 | 55,863,688 | 353,693 | 81.47% |
| 237 | 0.002618 | 57,271,269 | 971,432 | 0 | 55,851,254 | 448,584 | 81.73% |
| 59 | 0.006532 | 57,401,394 | 11,091,456 | 0 | 45,831,116 | 478,822 | 82.38% |
| 126 | 0.000642 | 61,028,743 | 9,327,872 | 0 | 51,391,843 | 309,027 | 82.45% |
| 194 | 0.006532 | 62,499,743 | 1,888,748 | 0 | 60,067,593 | 543,402 | 83.10% |
| 95 | 0.008986 | 62,917,706 | 3,167,280 | 0 | 59,217,079 | 533,347 | 84.00% |
| 139 | 0.002618 | 64,412,476 | 6,005,880 | 0 | 57,957,844 | 448,753 | 84.26% |
| 82 | 0.006532 | 64,433,795 | 417,822 | 0 | 63,590,580 | 425,393 | 84.92% |
| 117 | 0.006532 | 65,790,390 | 1,158,846 | 0 | 64,145,507 | 486,037 | 85.57% |
| 90 | 0.002618 | 67,402,806 | 1,295,464 | 0 | 65,611,462 | 495,880 | 85.83% |
| 27 | 0.002618 | 68,281,091 | 7,782,246 | 0 | 60,005,918 | 492,928 | 86.09% |
| 245 | 0.000642 | 70,434,922 | 15,369,110 | 0 | 54,695,406 | 370,406 | 86.16% |
| 19 | 0.006532 | 71,274,949 | 10,033,040 | 0 | 60,594,446 | 647,462 | 86.81% |
| 172 | 0.008986 | 74,746,531 | 16,457,904 | 0 | 57,831,746 | 456,882 | 87.71% |
| 215 | 0.006532 | 75,626,818 | 4,914,928 | 0 | 70,238,571 | 473,319 | 88.36% |
| 49 | 0.000642 | 78,629,033 | 6,816,790 | 0 | 71,380,174 | 432,069 | 88.43% |
| 40 | 0.006532 | 80,128,279 | 5,156,790 | 0 | 74,414,955 | 556,534 | 89.08% |
| 228 | 0.008986 | 80,766,430 | 9,094,974 | 0 | 71,085,314 | 586,141 | 89.98% |
| 160 | 0.002618 | 87,833,879 | 2,226,724 | 0 | 85,099,751 | 507,403 | 90.24% |
| 182 | 0.000642 | 88,077,263 | 4,201,128 | 0 | 83,398,153 | 477,983 | 90.30% |
| 111 | 0.002618 | 91,051,741 | 11,986,860 | 0 | 78,760,983 | 303,898 | 90.57% |
| 189 | 0.000642 | 93,352,795 | 1,446,026 | 0 | 91,395,511 | 511,258 | 90.63% |
| 132 | 0.002618 | 93,761,637 | 3,953,456 | 0 | 89,253,767 | 554,414 | 90.89% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 145 | 0.006532 | 95,616,678 | 7,007,690 | 0 | 87,972,218 | 636,770 | 91.54% |
| 154 | 0.000642 | 96,953,528 | 921,134 | 0 | 95,522,759 | 509,636 | 91.61% |
| 35 | 0.000642 | 97,734,772 | 3,438,192 | 0 | 93,719,962 | 576,618 | 91.67% |
| 105 | 0.000642 | 99,088,358 | 1,947,678 | 0 | 96,602,111 | 538,569 | 91.74% |
| 7 | 0.000642 | 101,686,597 | 1,217,112 | 0 | 99,932,445 | 537,040 | 91.80% |
| 70 | 0.000642 | 102,712,109 | 8,825,224 | 0 | 93,405,027 | 481,858 | 91.87% |
| 168 | 0.000642 | 102,830,983 | 1,218,606 | 0 | 101,038,662 | 573,715 | 91.93% |
| 203 | 0.000642 | 103,867,794 | 10,185,926 | 0 | 93,149,859 | 532,009 | 91.99% |
| 83 | 0.002618 | 112,914,811 | 1,217,942 | 0 | 111,138,502 | 558,368 | 92.26% |
| 56 | 0.000642 | 114,494,390 | 27,927,508 | 0 | 86,026,783 | 540,099 | 92.32% |
| 60 | 0.008986 | 116,823,424 | 34,193,344 | 0 | 82,048,624 | 581,456 | 93.22% |
| 14 | 0.000642 | 117,007,307 | 3,053,736 | 0 | 113,371,245 | 582,327 | 93.28% |
| 223 | 0.002618 | 117,907,296 | 4,655,138 | 0 | 112,696,760 | 555,398 | 93.54% |
| 238 | 0.000642 | 121,053,952 | 1,553,926 | 0 | 118,889,436 | 610,590 | 93.61% |
| 96 | 0.006532 | 122,549,867 | 6,780,270 | 0 | 115,100,290 | 669,307 | 94.26% |
| 195 | 0.002618 | 132,876,548 | 4,755,236 | 0 | 127,414,024 | 707,288 | 94.52% |
| 216 | 0.002618 | 134,981,212 | 10,157,042 | 0 | 124,217,717 | 606,453 | 94.79% |
| 28 | 0.000642 | 136,991,809 | 23,281,002 | 0 | 113,053,384 | 657,424 | 94.85% |
| 41 | 0.002618 | 141,401,280 | 11,362,368 | 0 | 129,342,181 | 696,731 | 95.11% |
| 118 | 0.002618 | 141,753,731 | 3,302,736 | 0 | 137,850,119 | 600,877 | 95.37% |
| 20 | 0.002618 | 147,931,763 | 32,153,038 | 0 | 114,956,829 | 821,896 | 95.64% |
| 140 | 0.000642 | 149,083,465 | 21,007,134 | 0 | 127,472,101 | 604,230 | 95.70% |
| 91 | 0.000642 | 155,133,918 | 4,692,820 | 0 | 149,769,508 | 671,591 | 95.76% |
| 229 | 0.006532 | 163,890,665 | 25,862,634 | 0 | 137,290,134 | 737,897 | 96.42% |
| 173 | 0.006532 | 170,789,538 | 46,647,992 | 0 | 123,560,027 | 581,519 | 97.07% |
| 112 | 0.000642 | 174,209,941 | 31,837,472 | 0 | 141,979,216 | 393,252 | 97.13% |
| 146 | 0.002618 | 180,455,350 | 17,049,362 | 0 | 162,600,287 | 805,700 | 97.40% |
| 161 | 0.000642 | 190,229,874 | 7,826,070 | 0 | 181,726,474 | 677,330 | 97.46% |
| 133 | 0.000642 | 200,386,869 | 12,245,820 | 0 | 187,413,330 | 727,720 | 97.52% |
| 84 | 0.000642 | 230,552,314 | 1,428,596 | 0 | 228,421,018 | 702,700 | 97.59% |
| 224 | 0.000642 | 235,160,160 | 13,006,432 | 0 | 221,433,037 | 720,692 | 97.65% |
| 97 | 0.002618 | 235,298,117 | 19,343,648 | 0 | 215,160,654 | 793,815 | 97.91% |
| 61 | 0.006532 | 243,342,777 | 80,918,360 | 0 | 161,691,435 | 732,981 | 98.57% |
| 119 | 0.000642 | 264,942,011 | 9,281,226 | 0 | 254,887,668 | 773,117 | 98.63% |
| 217 | 0.000642 | 271,652,561 | 28,788,218 | 0 | 242,043,131 | 821,212 | 98.70% |
| 196 | 0.000642 | 272,051,114 | 12,370,984 | 0 | 258,787,547 | 892,584 | 98.76% |
| 42 | 0.000642 | 300,295,896 | 30,157,220 | 0 | 269,227,759 | 910,917 | 98.82% |
| 174 | 0.002618 | 309,868,424 | 114,337,978 | 0 | 194,826,903 | 703,543 | 99.09% |
| 230 | 0.002618 | 314,219,761 | 60,539,702 | 0 | 252,773,129 | 906,930 | 99.35% |
| 21 | 0.000642 | 344,515,081 | 110,417,058 | 0 | 232,992,274 | 1,105,749 | 99.41% |
| 147 | 0.000642 | 363,621,967 | 52,096,444 | 0 | 310,519,451 | 1,006,071 | 99.48% |
| 62 | 0.002618 | 469,802,311 | 217,864,044 | 0 | 251,040,542 | 897,726 | 99.74% |
| 98 | 0.000642 | 513,314,629 | 67,546,396 | 0 | 444,760,081 | 1,008,152 | 99.80% |
| 175 | 0.000642 | 552,330,954 | 256,290,222 | 0 | 295,149,038 | 891,694 | 99.87% |
| 231 | 0.000642 | 667,618,877 | 199,997,796 | 0 | 466,478,500 | 1,142,581 | 99.93% |
| 63 | 0.000642 | 828,072,605 | 453,888,986 | 0 | 373,070,084 | 1,113,535 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 204 | 0.000642 | 185,440 | 22,244 | 0 | 125,150 | 38,046 | 0.06% |
| 71 | 0.000642 | 202,620 | 13,114 | 0 | 149,014 | 40,492 | 0.13% |
| 239 | 0.000642 | 251,646 | 20,086 | 0 | 186,338 | 45,223 | 0.19% |
| 120 | 0.000642 | 258,482 | 27,556 | 0 | 186,793 | 44,133 | 0.26% |
| 176 | 0.000642 | 307,071 | 4,316 | 0 | 234,472 | 68,283 | 0.32% |
| 99 | 0.000642 | 307,989 | 15,936 | 0 | 225,923 | 66,131 | 0.39% |
| 50 | 0.000642 | 362,774 | 19,754 | 0 | 265,508 | 77,511 | 0.45% |
| 148 | 0.000642 | 393,732 | 0 | 0 | 316,272 | 77,460 | 0.51% |
| 183 | 0.000642 | 430,751 | 19,920 | 0 | 337,982 | 72,850 | 0.58% |
| 29 | 0.000642 | 432,161 | 5,810 | 0 | 341,126 | 85,226 | 0.64% |
| 43 | 0.000642 | 434,003 | 53,618 | 0 | 325,530 | 54,855 | 0.71% |
| 8 | 0.000642 | 450,184 | 3,818 | 0 | 350,536 | 95,830 | 0.77% |
| 1 | 0.000642 | 454,764 | 19,920 | 0 | 362,585 | 72,259 | 0.83% |
| 232 | 0.000642 | 473,671 | 27,888 | 0 | 356,421 | 89,361 | 0.90% |
| 162 | 0.000642 | 482,024 | 13,280 | 0 | 388,175 | 80,569 | 0.96% |
| 205 | 0.002618 | 508,356 | 25,066 | 0 | 424,185 | 59,106 | 1.22% |
| 197 | 0.000642 | 512,813 | 87,150 | 0 | 348,169 | 77,494 | 1.29% |
| 64 | 0.000642 | 513,065 | 33,200 | 0 | 409,488 | 70,377 | 1.35% |
| 240 | 0.002618 | 519,664 | 16,766 | 0 | 431,941 | 70,957 | 1.62% |
| 121 | 0.002618 | 556,028 | 22,078 | 0 | 473,004 | 60,946 | 1.88% |
| 85 | 0.000642 | 645,051 | 10,458 | 0 | 527,430 | 107,163 | 1.94% |
| 22 | 0.000642 | 674,233 | 54,448 | 0 | 526,680 | 93,105 | 2.01% |
| 134 | 0.000642 | 816,273 | 105,410 | 0 | 621,173 | 89,691 | 2.07% |
| 72 | 0.002618 | 856,729 | 98,106 | 0 | 689,676 | 68,947 | 2.33% |
| 44 | 0.002618 | 872,033 | 29,880 | 0 | 754,811 | 87,343 | 2.59% |
| 100 | 0.002618 | 941,358 | 71,712 | 0 | 767,285 | 102,361 | 2.85% |
| 155 | 0.000642 | 962,581 | 57,602 | 0 | 785,399 | 119,580 | 2.92% |
| 149 | 0.002618 | 1,019,003 | 35,856 | 0 | 876,241 | 106,906 | 3.18% |
| 51 | 0.002618 | 1,034,240 | 32,204 | 0 | 891,797 | 110,239 | 3.44% |
| 177 | 0.002618 | 1,043,907 | 85,324 | 0 | 856,662 | 101,921 | 3.70% |
| 106 | 0.000642 | 1,045,950 | 130,144 | 0 | 834,810 | 80,996 | 3.77% |
| 127 | 0.000642 | 1,086,486 | 104,082 | 0 | 862,847 | 119,557 | 3.83% |
| 163 | 0.002618 | 1,086,775 | 5,146 | 0 | 955,293 | 126,336 | 4.09% |
| 198 | 0.002618 | 1,109,943 | 47,974 | 0 | 950,816 | 111,154 | 4.36% |
| 30 | 0.002618 | 1,115,996 | 37,184 | 0 | 958,580 | 120,232 | 4.62% |
| 15 | 0.000642 | 1,146,936 | 73,372 | 0 | 901,650 | 171,914 | 4.68% |
| 206 | 0.006532 | 1,156,337 | 49,468 | 0 | 1,025,399 | 81,470 | 5.34% |
| 65 | 0.002618 | 1,156,553 | 57,436 | 0 | 998,467 | 100,649 | 5.60% |
| 184 | 0.002618 | 1,195,151 | 21,414 | 0 | 1,065,752 | 107,985 | 5.86% |
| 9 | 0.002618 | 1,280,132 | 4,648 | 0 | 1,134,665 | 140,819 | 6.12% |
| 190 | 0.000642 | 1,388,267 | 69,222 | 0 | 1,158,048 | 160,997 | 6.19% |
| 218 | 0.000642 | 1,436,809 | 213,144 | 0 | 1,090,821 | 132,844 | 6.25% |
| 122 | 0.006532 | 1,475,016 | 52,456 | 0 | 1,337,473 | 85,086 | 6.90% |
| 73 | 0.006532 | 1,558,170 | 98,106 | 0 | 1,365,069 | 94,995 | 7.56% |
| 2 | 0.002618 | 1,566,200 | 92,130 | 0 | 1,357,283 | 116,787 | 7.82% |
| 233 | 0.002618 | 1,596,856 | 44,322 | 0 | 1,416,560 | 135,974 | 8.08% |
| 241 | 0.006532 | 1,638,187 | 57,270 | 0 | 1,474,338 | 106,579 | 8.73% |
| 211 | 0.000642 | 1,673,684 | 173,470 | 0 | 1,354,457 | 145,756 | 8.80% |
| 23 | 0.002618 | 1,700,354 | 135,290 | 0 | 1,428,850 | 136,213 | 9.06% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 135 | 0.002618 | 1,732,585 | 190,900 | 0 | 1,411,472 | 130,213 | 9.32% |
| 36 | 0.000642 | 1,810,980 | 204,180 | 0 | 1,438,227 | 168,573 | 9.38% |
| 113 | 0.000642 | 1,920,442 | 28,220 | 0 | 1,736,198 | 156,024 | 9.45% |
| 141 | 0.000642 | 2,039,207 | 197,706 | 0 | 1,629,140 | 212,360 | 9.51% |
| 45 | 0.006532 | 2,325,324 | 100,596 | 0 | 2,102,702 | 122,026 | 10.17% |
| 101 | 0.006532 | 2,375,231 | 27,556 | 0 | 2,194,688 | 152,988 | 10.82% |
| 31 | 0.006532 | 2,390,046 | 38,180 | 0 | 2,186,104 | 165,762 | 11.47% |
| 66 | 0.006532 | 2,400,152 | 57,436 | 0 | 2,196,127 | 146,589 | 12.13% |
| 3 | 0.006532 | 2,512,388 | 48,638 | 0 | 2,310,116 | 153,634 | 12.78% |
| 92 | 0.000642 | 2,536,178 | 329,344 | 0 | 1,995,307 | 211,526 | 12.84% |
| 107 | 0.002618 | 2,543,624 | 191,896 | 0 | 2,241,353 | 110,375 | 13.11% |
| 128 | 0.002618 | 2,675,070 | 133,132 | 0 | 2,362,282 | 179,656 | 13.37% |
| 10 | 0.006532 | 2,750,467 | 11,786 | 0 | 2,552,668 | 186,013 | 14.02% |
| 199 | 0.006532 | 2,964,365 | 120,184 | 0 | 2,686,372 | 157,808 | 14.67% |
| 164 | 0.006532 | 2,977,977 | 94,620 | 0 | 2,720,306 | 163,051 | 15.33% |
| 86 | 0.002618 | 2,993,143 | 86,818 | 0 | 2,749,165 | 157,160 | 15.59% |
| 219 | 0.002618 | 2,998,971 | 115,868 | 0 | 2,694,961 | 188,141 | 15.85% |
| 185 | 0.006532 | 3,076,778 | 21,746 | 0 | 2,902,367 | 152,665 | 16.50% |
| 178 | 0.006532 | 3,086,541 | 51,792 | 0 | 2,900,771 | 133,979 | 17.16% |
| 207 | 0.008986 | 3,203,046 | 126,160 | 0 | 2,956,006 | 120,880 | 18.06% |
| 234 | 0.006532 | 3,309,752 | 100,264 | 0 | 3,030,891 | 178,597 | 18.71% |
| 150 | 0.006532 | 3,374,876 | 49,966 | 0 | 3,164,801 | 160,109 | 19.36% |
| 52 | 0.006532 | 3,409,175 | 106,738 | 0 | 3,136,716 | 165,721 | 20.01% |
| 123 | 0.008986 | 3,488,260 | 85,988 | 0 | 3,278,124 | 124,148 | 20.91% |
| 16 | 0.002618 | 3,504,009 | 322,372 | 0 | 2,927,596 | 254,041 | 21.18% |
| 78 | 0.000642 | 3,579,989 | 50,298 | 0 | 3,391,016 | 138,675 | 21.24% |
| 136 | 0.006532 | 3,670,342 | 210,986 | 0 | 3,280,638 | 178,718 | 21.89% |
| 74 | 0.008986 | 3,724,926 | 162,182 | 0 | 3,425,374 | 137,371 | 22.79% |
| 242 | 0.008986 | 3,867,435 | 244,352 | 0 | 3,479,646 | 143,437 | 23.69% |
| 24 | 0.006532 | 3,891,604 | 218,788 | 0 | 3,475,559 | 197,257 | 24.34% |
| 191 | 0.002618 | 3,993,237 | 362,212 | 0 | 3,412,033 | 218,992 | 24.60% |
| 156 | 0.002618 | 4,100,686 | 161,352 | 0 | 3,767,309 | 172,025 | 24.87% |
| 225 | 0.000642 | 4,146,905 | 576,850 | 0 | 3,298,836 | 271,219 | 24.93% |
| 169 | 0.000642 | 4,215,428 | 621,504 | 0 | 3,387,831 | 206,093 | 24.99% |
| 87 | 0.006532 | 4,493,960 | 101,426 | 0 | 4,174,134 | 218,400 | 25.65% |
| 212 | 0.002618 | 4,647,787 | 301,456 | 0 | 4,148,126 | 198,205 | 25.91% |
| 46 | 0.008986 | 4,748,684 | 201,358 | 0 | 4,375,957 | 171,369 | 26.81% |
| 179 | 0.008986 | 4,988,188 | 148,072 | 0 | 4,645,213 | 194,902 | 27.71% |
| 208 | 0.006532 | 5,176,774 | 294,318 | 0 | 4,718,724 | 163,732 | 28.36% |
| 67 | 0.008986 | 5,257,826 | 159,858 | 0 | 4,905,776 | 192,192 | 29.26% |
| 37 | 0.002618 | 5,298,841 | 536,678 | 0 | 4,512,741 | 249,422 | 29.52% |
| 157 | 0.006532 | 5,339,830 | 131,472 | 0 | 4,982,848 | 225,510 | 30.17% |
| 165 | 0.008986 | 5,394,711 | 81,506 | 0 | 5,075,436 | 237,769 | 31.07% |
| 114 | 0.002618 | 5,495,505 | 150,562 | 0 | 5,117,334 | 227,609 | 31.33% |
| 102 | 0.008986 | 5,787,655 | 282,532 | 0 | 5,294,712 | 210,411 | 32.23% |
| 79 | 0.002618 | 5,868,108 | 33,034 | 0 | 5,642,419 | 192,655 | 32.49% |
| 53 | 0.008986 | 5,893,134 | 286,350 | 0 | 5,385,516 | 221,268 | 33.39% |
| 186 | 0.008986 | 6,029,117 | 91,300 | 0 | 5,722,995 | 214,822 | 34.29% |
| 129 | 0.006532 | 6,206,379 | 293,322 | 0 | 5,674,322 | 238,735 | 34.95% |
| 200 | 0.008986 | 6,414,192 | 303,282 | 0 | 5,894,882 | 216,028 | 35.84% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 57 | 0.000642 | 6,492,054 | 983,882 | 0 | 5,209,792 | 298,380 | 35.91% |
| 192 | 0.006532 | 6,966,463 | 337,810 | 0 | 6,325,604 | 303,049 | 36.56% |
| 4 | 0.008986 | 7,288,456 | 84,992 | 0 | 6,987,027 | 216,438 | 37.46% |
| 151 | 0.008986 | 7,639,865 | 161,020 | 0 | 7,261,616 | 217,228 | 38.36% |
| 235 | 0.008986 | 7,682,890 | 78,850 | 0 | 7,346,670 | 257,370 | 39.26% |
| 11 | 0.008986 | 7,727,829 | 94,620 | 0 | 7,388,317 | 244,893 | 40.16% |
| 108 | 0.006532 | 7,766,291 | 594,612 | 0 | 7,020,635 | 151,045 | 40.81% |
| 124 | 0.006532 | 7,868,012 | 574,194 | 0 | 7,124,308 | 169,510 | 41.46% |
| 93 | 0.002618 | 7,958,733 | 642,254 | 0 | 7,013,154 | 303,325 | 41.72% |
| 142 | 0.002618 | 8,166,107 | 793,646 | 0 | 7,058,531 | 313,929 | 41.99% |
| 220 | 0.006532 | 8,249,624 | 372,172 | 0 | 7,622,709 | 254,742 | 42.64% |
| 32 | 0.008986 | 8,526,906 | 202,520 | 0 | 8,091,289 | 233,097 | 43.54% |
| 25 | 0.008986 | 8,582,281 | 277,054 | 0 | 8,043,465 | 261,763 | 44.44% |
| 17 | 0.006532 | 9,071,509 | 717,784 | 0 | 8,017,459 | 336,266 | 45.09% |
| 137 | 0.008986 | 9,361,352 | 461,646 | 0 | 8,647,305 | 252,401 | 45.99% |
| 75 | 0.006532 | 9,819,110 | 363,540 | 0 | 9,267,648 | 187,922 | 46.64% |
| 243 | 0.006532 | 10,037,839 | 1,217,112 | 0 | 8,632,437 | 188,290 | 47.29% |
| 213 | 0.006532 | 11,078,529 | 704,504 | 0 | 10,103,553 | 270,471 | 47.95% |
| 115 | 0.006532 | 11,476,606 | 401,056 | 0 | 10,777,373 | 298,178 | 48.60% |
| 47 | 0.006532 | 11,933,806 | 594,944 | 0 | 11,101,835 | 237,027 | 49.25% |
| 80 | 0.006532 | 12,458,149 | 62,748 | 0 | 12,139,009 | 256,392 | 49.91% |
| 143 | 0.006532 | 12,484,869 | 699,524 | 0 | 11,379,039 | 406,305 | 50.56% |
| 158 | 0.008986 | 12,527,937 | 288,674 | 0 | 11,939,932 | 299,331 | 51.46% |
| 226 | 0.002618 | 12,561,995 | 1,118,508 | 0 | 11,061,783 | 381,704 | 51.72% |
| 38 | 0.006532 | 13,524,923 | 844,774 | 0 | 12,357,936 | 322,214 | 52.37% |
| 170 | 0.002618 | 13,905,183 | 2,059,728 | 0 | 11,565,376 | 280,079 | 52.64% |
| 33 | 0.006532 | 14,041,301 | 185,256 | 0 | 13,548,549 | 307,496 | 53.29% |
| 201 | 0.006532 | 14,184,738 | 603,742 | 0 | 13,286,426 | 294,570 | 53.94% |
| 103 | 0.006532 | 14,377,251 | 255,142 | 0 | 13,830,145 | 291,964 | 54.60% |
| 187 | 0.006532 | 14,629,527 | 229,578 | 0 | 14,118,845 | 281,103 | 55.25% |
| 88 | 0.008986 | 15,135,443 | 562,740 | 0 | 14,279,595 | 293,108 | 56.15% |
| 209 | 0.002618 | 15,170,552 | 1,184,078 | 0 | 13,765,525 | 220,949 | 56.41% |
| 54 | 0.006532 | 15,623,099 | 1,338,458 | 0 | 13,973,304 | 311,336 | 57.06% |
| 109 | 0.008986 | 15,730,184 | 1,126,974 | 0 | 14,411,317 | 191,893 | 57.96% |
| 152 | 0.006532 | 15,748,017 | 147,574 | 0 | 15,311,312 | 289,131 | 58.61% |
| 5 | 0.006532 | 16,123,072 | 195,880 | 0 | 15,629,554 | 297,638 | 59.27% |
| 68 | 0.006532 | 16,454,220 | 616,358 | 0 | 15,580,201 | 257,661 | 59.92% |
| 130 | 0.008986 | 16,645,993 | 727,910 | 0 | 15,584,317 | 333,766 | 60.82% |
| 166 | 0.006532 | 17,087,149 | 254,312 | 0 | 16,507,449 | 325,388 | 61.47% |
| 180 | 0.006532 | 17,113,393 | 329,344 | 0 | 16,511,153 | 272,896 | 62.13% |
| 76 | 0.002618 | 18,067,691 | 467,954 | 0 | 17,347,384 | 252,354 | 62.39% |
| 12 | 0.006532 | 19,073,116 | 126,160 | 0 | 18,635,806 | 311,151 | 63.04% |
| 94 | 0.006532 | 19,240,261 | 1,123,156 | 0 | 17,703,396 | 413,709 | 63.69% |
| 236 | 0.006532 | 19,449,033 | 343,288 | 0 | 18,766,318 | 339,428 | 64.35% |
| 125 | 0.002618 | 19,693,237 | 2,036,488 | 0 | 17,424,990 | 231,759 | 64.61% |
| 193 | 0.008986 | 19,891,874 | 891,918 | 0 | 18,579,668 | 420,287 | 65.51% |
| 221 | 0.008986 | 20,720,360 | 777,212 | 0 | 19,588,113 | 355,035 | 66.41% |
| 18 | 0.008986 | 20,746,734 | 2,092,762 | 0 | 18,179,079 | 474,894 | 67.30% |
| 214 | 0.008986 | 21,696,699 | 1,081,656 | 0 | 20,245,672 | 369,371 | 68.20% |
| 81 | 0.008986 | 22,732,826 | 158,862 | 0 | 22,244,776 | 329,188 | 69.10% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|------------|--------|-----------------------|---------------|----------|
| 39 | 0.008986 | 23,049,174 | 1,138,096 | 0 | 21,465,353 | 445,725 | 70.00% |
| 58 | 0.002618 | 23,836,599 | 3,224,384 | 0 | 20,230,127 | 382,089 | 70.26% |
| 48 | 0.002618 | 24,300,963 | 1,575,008 | 0 | 22,407,591 | 318,364 | 70.52% |
| 89 | 0.006532 | 24,980,573 | 425,292 | 0 | 24,164,180 | 391,101 | 71.18% |
| 227 | 0.006532 | 25,531,675 | 2,346,078 | 0 | 22,691,405 | 494,192 | 71.83% |
| 138 | 0.006532 | 25,541,783 | 1,520,394 | 0 | 23,675,604 | 345,784 | 72.48% |
| 26 | 0.006532 | 25,583,709 | 1,554,424 | 0 | 23,656,016 | 373,269 | 73.14% |
| 244 | 0.002618 | 26,540,230 | 3,297,092 | 0 | 22,970,994 | 272,144 | 73.40% |
| 116 | 0.008986 | 27,606,113 | 407,696 | 0 | 26,811,352 | 387,066 | 74.30% |
| 181 | 0.002618 | 28,719,099 | 1,231,388 | 0 | 27,143,351 | 344,360 | 74.56% |
| 210 | 0.000642 | 28,867,422 | 4,264,374 | 0 | 24,295,759 | 307,290 | 74.62% |
| 144 | 0.008986 | 31,717,209 | 1,853,224 | 0 | 29,345,293 | 518,692 | 75.52% |
| 171 | 0.006532 | 31,809,178 | 5,340,054 | 0 | 26,105,444 | 363,681 | 76.17% |
| 188 | 0.002618 | 31,816,617 | 406,534 | 0 | 31,016,573 | 393,510 | 76.44% |
| 202 | 0.002618 | 32,220,325 | 1,882,274 | 0 | 29,944,808 | 393,243 | 76.70% |
| 167 | 0.002618 | 32,252,939 | 463,804 | 0 | 31,365,204 | 423,930 | 76.96% |
| 34 | 0.002618 | 32,617,624 | 443,718 | 0 | 31,761,145 | 412,760 | 77.22% |
| 6 | 0.002618 | 33,522,396 | 415,166 | 0 | 32,700,139 | 407,090 | 77.48% |
| 55 | 0.002618 | 34,100,064 | 5,741,276 | 0 | 27,958,752 | 400,036 | 77.75% |
| 110 | 0.006532 | 34,159,771 | 3,079,134 | 0 | 30,831,476 | 249,162 | 78.40% |
| 153 | 0.002618 | 34,449,983 | 322,704 | 0 | 33,733,445 | 393,834 | 78.66% |
| 159 | 0.006532 | 34,602,305 | 702,678 | 0 | 33,501,106 | 398,521 | 79.31% |
| 104 | 0.002618 | 35,824,561 | 810,910 | 0 | 34,618,408 | 395,243 | 79.58% |
| 69 | 0.002618 | 35,984,234 | 2,135,756 | 0 | 33,497,440 | 351,038 | 79.84% |
| 131 | 0.006532 | 37,303,268 | 1,239,688 | 0 | 35,626,822 | 436,758 | 80.49% |
| 237 | 0.002618 | 37,777,031 | 309,424 | 0 | 37,017,064 | 450,543 | 80.75% |
| 222 | 0.006532 | 38,644,445 | 1,269,236 | 0 | 36,929,342 | 445,867 | 81.41% |
| 194 | 0.006532 | 39,072,870 | 1,059,578 | 0 | 37,480,076 | 533,216 | 82.06% |
| 77 | 0.000642 | 39,839,114 | 646,570 | 0 | 38,827,619 | 364,926 | 82.12% |
| 95 | 0.008986 | 40,389,254 | 2,244,154 | 0 | 37,632,258 | 512,842 | 83.02% |
| 82 | 0.006532 | 42,098,659 | 170,482 | 0 | 41,493,859 | 434,318 | 83.67% |
| 13 | 0.002618 | 42,221,476 | 412,178 | 0 | 41,367,341 | 441,957 | 83.94% |
| 59 | 0.006532 | 42,376,408 | 9,135,644 | 0 | 32,749,757 | 491,008 | 84.59% |
| 126 | 0.000642 | 42,717,171 | 7,202,242 | 0 | 35,201,747 | 313,182 | 84.65% |
| 27 | 0.002618 | 49,667,034 | 6,503,880 | 0 | 42,683,126 | 480,028 | 84.92% |
| 215 | 0.006532 | 50,849,975 | 3,426,904 | 0 | 46,937,122 | 485,949 | 85.57% |
| 90 | 0.002618 | 51,182,582 | 977,408 | 0 | 49,690,174 | 515,000 | 85.83% |
| 139 | 0.002618 | 51,828,747 | 4,680,536 | 0 | 46,670,918 | 477,293 | 86.09% |
| 117 | 0.006532 | 51,837,777 | 910,676 | 0 | 50,425,817 | 501,284 | 86.75% |
| 245 | 0.000642 | 53,582,750 | 12,424,768 | 0 | 40,778,705 | 379,276 | 86.81% |
| 19 | 0.006532 | 53,758,771 | 8,896,604 | 0 | 44,216,821 | 645,346 | 87.46% |
| 228 | 0.008986 | 55,869,461 | 6,655,272 | 0 | 48,600,676 | 613,513 | 88.36% |
| 40 | 0.006532 | 57,761,335 | 3,953,290 | 0 | 53,233,679 | 574,365 | 89.01% |
| 145 | 0.006532 | 59,403,538 | 4,401,656 | 0 | 54,339,898 | 661,984 | 89.67% |
| 49 | 0.000642 | 59,488,879 | 5,251,244 | 0 | 53,791,095 | 446,540 | 89.73% |
| 160 | 0.002618 | 60,273,601 | 1,839,446 | 0 | 57,909,174 | 524,981 | 89.99% |
| 172 | 0.008986 | 63,293,250 | 15,741,780 | 0 | 47,080,483 | 470,987 | 90.89% |
| 111 | 0.002618 | 63,438,604 | 8,918,516 | 0 | 54,211,932 | 308,156 | 91.15% |
| 105 | 0.000642 | 66,672,828 | 1,053,270 | 0 | 65,087,555 | 532,004 | 91.22% |
| 132 | 0.002618 | 67,100,116 | 2,885,080 | 0 | 63,668,296 | 546,740 | 91.48% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 203 | 0.000642 | 71,634,735 | 8,069,924 | 0 | 63,046,829 | 517,982 | 91.54% |
| 189 | 0.000642 | 71,786,742 | 810,080 | 0 | 70,432,854 | 543,807 | 91.61% |
| 168 | 0.000642 | 72,831,252 | 816,222 | 0 | 71,449,093 | 565,936 | 91.67% |
| 70 | 0.000642 | 73,374,914 | 6,849,492 | 0 | 66,056,761 | 468,661 | 91.74% |
| 182 | 0.000642 | 73,483,312 | 3,780,484 | 0 | 69,213,848 | 488,980 | 91.80% |
| 35 | 0.000642 | 74,695,950 | 2,353,382 | 0 | 71,773,530 | 569,038 | 91.87% |
| 154 | 0.000642 | 75,491,799 | 831,328 | 0 | 74,136,517 | 523,954 | 91.93% |
| 7 | 0.000642 | 77,637,296 | 952,010 | 0 | 76,139,927 | 545,359 | 91.99% |
| 223 | 0.002618 | 77,641,794 | 3,018,378 | 0 | 74,054,528 | 568,888 | 92.26% |
| 56 | 0.000642 | 77,897,514 | 20,253,992 | 0 | 57,097,707 | 545,815 | 92.32% |
| 238 | 0.000642 | 78,753,240 | 693,548 | 0 | 77,461,757 | 597,935 | 92.38% |
| 83 | 0.002618 | 82,958,099 | 536,512 | 0 | 81,866,237 | 555,350 | 92.65% |
| 14 | 0.000642 | 91,518,537 | 1,885,428 | 0 | 89,069,552 | 563,558 | 92.71% |
| 60 | 0.008986 | 94,463,466 | 27,057,336 | 0 | 66,783,045 | 623,085 | 93.61% |
| 195 | 0.002618 | 95,437,645 | 2,800,752 | 0 | 91,938,093 | 698,800 | 93.87% |
| 216 | 0.002618 | 99,931,671 | 8,274,934 | 0 | 91,028,005 | 628,731 | 94.13% |
| 118 | 0.002618 | 100,648,558 | 2,090,936 | 0 | 97,936,904 | 620,718 | 94.39% |
| 96 | 0.006532 | 102,191,503 | 6,875,388 | 0 | 94,638,601 | 677,514 | 95.05% |
| 140 | 0.000642 | 108,021,273 | 16,130,386 | 0 | 91,274,721 | 616,166 | 95.11% |
| 20 | 0.002618 | 112,534,003 | 23,923,920 | 0 | 87,764,107 | 845,976 | 95.37% |
| 28 | 0.000642 | 114,997,550 | 18,161,064 | 0 | 96,161,100 | 675,386 | 95.44% |
| 41 | 0.002618 | 117,595,201 | 10,172,314 | 0 | 106,685,919 | 736,968 | 95.70% |
| 91 | 0.000642 | 118,508,614 | 3,388,724 | 0 | 114,426,336 | 693,554 | 95.76% |
| 229 | 0.006532 | 130,719,447 | 19,929,130 | 0 | 110,016,758 | 773,560 | 96.42% |
| 146 | 0.002618 | 131,859,188 | 13,396,698 | 0 | 117,619,152 | 843,338 | 96.68% |
| 173 | 0.006532 | 133,894,022 | 37,727,650 | 0 | 95,569,284 | 597,089 | 97.33% |
| 133 | 0.000642 | 134,879,059 | 8,153,256 | 0 | 125,999,279 | 726,524 | 97.40% |
| 112 | 0.000642 | 137,907,759 | 27,119,088 | 0 | 110,386,010 | 402,661 | 97.46% |
| 161 | 0.000642 | 140,936,052 | 5,810,996 | 0 | 134,443,815 | 681,242 | 97.52% |
| 84 | 0.000642 | 155,128,676 | 928,438 | 0 | 153,487,495 | 712,743 | 97.59% |
| 224 | 0.000642 | 167,090,663 | 9,172,994 | 0 | 157,191,410 | 726,258 | 97.65% |
| 97 | 0.002618 | 192,497,037 | 15,865,450 | 0 | 175,794,037 | 837,551 | 97.91% |
| 61 | 0.006532 | 201,486,545 | 71,186,776 | 0 | 129,525,393 | 774,376 | 98.57% |
| 217 | 0.000642 | 203,788,708 | 22,713,780 | 0 | 180,245,270 | 829,658 | 98.63% |
| 119 | 0.000642 | 206,173,066 | 7,718,004 | 0 | 197,644,178 | 810,884 | 98.70% |
| 196 | 0.000642 | 212,732,284 | 10,595,946 | 0 | 201,224,393 | 911,945 | 98.76% |
| 42 | 0.000642 | 214,608,554 | 23,745,968 | 0 | 189,934,961 | 927,626 | 98.82% |
| 174 | 0.002618 | 224,142,797 | 92,701,040 | 0 | 130,714,103 | 727,653 | 99.09% |
| 230 | 0.002618 | 238,104,996 | 48,990,252 | 0 | 188,167,173 | 947,570 | 99.35% |
| 147 | 0.000642 | 268,008,297 | 41,624,832 | 0 | 225,347,654 | 1,035,811 | 99.41% |
| 21 | 0.000642 | 271,294,695 | 89,843,682 | 0 | 180,320,753 | 1,130,260 | 99.48% |
| 98 | 0.000642 | 381,277,635 | 52,267,092 | 0 | 327,972,584 | 1,037,959 | 99.54% |
| 62 | 0.002618 | 387,633,550 | 189,613,168 | 0 | 197,083,256 | 937,126 | 99.80% |
| 175 | 0.000642 | 441,995,675 | 219,728,556 | 0 | 221,337,902 | 929,216 | 99.87% |
| 231 | 0.000642 | 484,605,555 | 158,836,602 | 0 | 324,600,354 | 1,168,599 | 99.93% |
| 63 | 0.000642 | 677,600,321 | 398,227,858 | 0 | 278,201,575 | 1,170,888 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 204 | 0.000642 | 120,439 | 18,426 | 0 | 64,977 | 37,036 | 0.06% |
| 71 | 0.000642 | 137,412 | 3,486 | 0 | 94,694 | 39,232 | 0.13% |
| 239 | 0.000642 | 138,386 | 0 | 0 | 94,996 | 43,390 | 0.19% |
| 99 | 0.000642 | 206,234 | 12,616 | 0 | 131,945 | 61,673 | 0.26% |
| 197 | 0.000642 | 223,427 | 4,482 | 0 | 148,130 | 70,815 | 0.32% |
| 205 | 0.002618 | 244,026 | 5,478 | 0 | 185,633 | 52,915 | 0.58% |
| 120 | 0.000642 | 248,035 | 63,080 | 0 | 145,101 | 39,853 | 0.65% |
| 148 | 0.000642 | 251,822 | 1,826 | 0 | 178,298 | 71,698 | 0.71% |
| 43 | 0.000642 | 305,745 | 15,272 | 0 | 237,047 | 53,426 | 0.78% |
| 183 | 0.000642 | 308,724 | 166 | 0 | 236,792 | 71,766 | 0.84% |
| 50 | 0.000642 | 356,514 | 0 | 0 | 280,839 | 75,675 | 0.90% |
| 29 | 0.000642 | 364,034 | 16,268 | 0 | 270,907 | 76,859 | 0.97% |
| 134 | 0.000642 | 395,954 | 42,330 | 0 | 271,405 | 82,219 | 1.03% |
| 162 | 0.000642 | 398,195 | 26,892 | 0 | 290,816 | 80,487 | 1.10% |
| 8 | 0.000642 | 402,806 | 25,730 | 0 | 287,779 | 89,297 | 1.16% |
| 85 | 0.000642 | 403,528 | 9,462 | 0 | 286,955 | 107,111 | 1.22% |
| 232 | 0.000642 | 410,520 | 21,580 | 0 | 301,041 | 87,899 | 1.29% |
| 1 | 0.000642 | 426,550 | 18,924 | 0 | 334,343 | 73,283 | 1.35% |
| 22 | 0.000642 | 428,534 | 6,806 | 0 | 327,717 | 94,011 | 1.42% |
| 121 | 0.002618 | 432,630 | 55,444 | 0 | 318,652 | 58,534 | 1.68% |
| 240 | 0.002618 | 453,002 | 14,276 | 0 | 367,369 | 71,357 | 1.94% |
| 64 | 0.000642 | 456,176 | 41,002 | 0 | 346,270 | 68,904 | 2.01% |
| 72 | 0.002618 | 596,237 | 49,634 | 0 | 482,325 | 64,278 | 2.27% |
| 177 | 0.002618 | 597,678 | 17,596 | 0 | 486,041 | 94,041 | 2.53% |
| 44 | 0.002618 | 606,321 | 39,342 | 0 | 487,201 | 79,778 | 2.79% |
| 127 | 0.000642 | 648,734 | 83,996 | 0 | 449,092 | 115,646 | 2.85% |
| 100 | 0.002618 | 656,104 | 7,802 | 0 | 549,236 | 99,066 | 3.12% |
| 198 | 0.002618 | 683,278 | 57,934 | 0 | 518,318 | 107,026 | 3.38% |
| 155 | 0.000642 | 695,263 | 33,366 | 0 | 538,615 | 123,281 | 3.44% |
| 206 | 0.006532 | 708,823 | 6,972 | 0 | 618,933 | 82,918 | 4.10% |
| 78 | 0.000642 | 756,114 | 17,596 | 0 | 607,272 | 131,246 | 4.16% |
| 30 | 0.002618 | 766,209 | 15,936 | 0 | 629,884 | 120,388 | 4.42% |
| 163 | 0.002618 | 790,159 | 7,968 | 0 | 658,865 | 123,326 | 4.68% |
| 51 | 0.002618 | 813,474 | 29,880 | 0 | 674,701 | 108,893 | 4.95% |
| 73 | 0.006532 | 828,869 | 8,300 | 0 | 728,373 | 92,195 | 5.60% |
| 65 | 0.002618 | 861,036 | 46,646 | 0 | 718,400 | 95,990 | 5.86% |
| 233 | 0.002618 | 903,152 | 21,082 | 0 | 750,878 | 131,191 | 6.12% |
| 190 | 0.000642 | 912,991 | 29,382 | 0 | 719,417 | 164,192 | 6.19% |
| 15 | 0.000642 | 928,477 | 27,722 | 0 | 732,197 | 168,557 | 6.25% |
| 135 | 0.002618 | 951,719 | 70,550 | 0 | 759,090 | 122,079 | 6.51% |
| 184 | 0.002618 | 1,010,921 | 47,642 | 0 | 855,288 | 107,991 | 6.77% |
| 122 | 0.006532 | 1,022,101 | 47,310 | 0 | 891,019 | 83,772 | 7.43% |
| 241 | 0.006532 | 1,037,494 | 0 | 0 | 937,295 | 100,198 | 8.08% |
| 106 | 0.000642 | 1,057,461 | 262,280 | 0 | 719,154 | 76,028 | 8.14% |
| 149 | 0.002618 | 1,082,358 | 83,498 | 0 | 883,545 | 115,314 | 8.41% |
| 36 | 0.000642 | 1,134,865 | 82,668 | 0 | 884,861 | 167,336 | 8.47% |
| 218 | 0.000642 | 1,176,238 | 69,222 | 0 | 976,124 | 130,893 | 8.54% |
| 9 | 0.002618 | 1,278,419 | 17,928 | 0 | 1,129,191 | 131,300 | 8.80% |
| 23 | 0.002618 | 1,374,356 | 95,118 | 0 | 1,134,479 | 144,759 | 9.06% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 150 | 0.006532 | 1,413,357 | 11,288 | 0 | 1,257,441 | 144,629 | 9.71% |
| 113 | 0.000642 | 1,421,169 | 13,944 | 0 | 1,250,485 | 156,740 | 9.78% |
| 207 | 0.008986 | 1,432,842 | 8,964 | 0 | 1,306,800 | 117,078 | 10.67% |
| 178 | 0.006532 | 1,524,385 | 63,246 | 0 | 1,324,036 | 137,103 | 11.33% |
| 52 | 0.006532 | 1,531,773 | 31,208 | 0 | 1,344,082 | 156,482 | 11.98% |
| 86 | 0.002618 | 1,557,223 | 35,856 | 0 | 1,367,438 | 153,929 | 12.24% |
| 211 | 0.000642 | 1,681,122 | 187,580 | 0 | 1,352,379 | 141,164 | 12.31% |
| 2 | 0.002618 | 1,724,999 | 157,700 | 0 | 1,452,337 | 114,962 | 12.57% |
| 66 | 0.006532 | 1,765,069 | 56,772 | 0 | 1,568,726 | 139,572 | 13.22% |
| 128 | 0.002618 | 1,807,728 | 51,460 | 0 | 1,583,634 | 172,634 | 13.48% |
| 101 | 0.006532 | 1,846,281 | 104,248 | 0 | 1,599,575 | 142,457 | 14.14% |
| 199 | 0.006532 | 1,851,776 | 28,552 | 0 | 1,674,688 | 148,536 | 14.79% |
| 45 | 0.006532 | 1,863,254 | 23,406 | 0 | 1,716,420 | 123,427 | 15.44% |
| 16 | 0.002618 | 1,864,417 | 159,028 | 0 | 1,464,276 | 241,112 | 15.71% |
| 156 | 0.002618 | 1,934,419 | 57,270 | 0 | 1,716,952 | 160,196 | 15.97% |
| 164 | 0.006532 | 2,030,309 | 74,700 | 0 | 1,790,452 | 165,157 | 16.62% |
| 123 | 0.008986 | 2,030,711 | 65,570 | 0 | 1,843,750 | 121,391 | 17.52% |
| 31 | 0.006532 | 2,093,251 | 97,940 | 0 | 1,836,689 | 158,622 | 18.17% |
| 3 | 0.006532 | 2,291,379 | 35,026 | 0 | 2,099,886 | 156,467 | 18.83% |
| 74 | 0.008986 | 2,293,263 | 39,674 | 0 | 2,121,026 | 132,563 | 19.72% |
| 10 | 0.006532 | 2,387,219 | 0 | 0 | 2,203,215 | 184,004 | 20.38% |
| 136 | 0.006532 | 2,397,912 | 162,680 | 0 | 2,059,703 | 175,529 | 21.03% |
| 107 | 0.002618 | 2,421,632 | 180,940 | 0 | 2,133,752 | 106,940 | 21.29% |
| 185 | 0.006532 | 2,432,217 | 37,516 | 0 | 2,242,358 | 152,343 | 21.95% |
| 191 | 0.002618 | 2,516,406 | 107,900 | 0 | 2,175,251 | 233,255 | 22.21% |
| 114 | 0.002618 | 2,574,694 | 65,238 | 0 | 2,294,294 | 215,162 | 22.47% |
| 141 | 0.000642 | 2,592,403 | 325,360 | 0 | 2,042,425 | 224,617 | 22.53% |
| 179 | 0.008986 | 2,685,929 | 79,016 | 0 | 2,427,661 | 179,251 | 23.43% |
| 219 | 0.002618 | 2,725,599 | 188,908 | 0 | 2,350,748 | 185,943 | 23.69% |
| 234 | 0.006532 | 2,747,383 | 83,000 | 0 | 2,496,469 | 167,915 | 24.35% |
| 87 | 0.006532 | 2,804,770 | 45,816 | 0 | 2,544,123 | 214,830 | 25.00% |
| 46 | 0.008986 | 3,071,861 | 99,268 | 0 | 2,804,773 | 167,820 | 25.90% |
| 24 | 0.006532 | 3,140,990 | 125,496 | 0 | 2,825,945 | 189,548 | 26.55% |
| 176 | 0.000642 | 3,179,930 | 0 | 0 | 3,114,954 | 64,976 | 26.62% |
| 212 | 0.002618 | 3,215,014 | 168,656 | 0 | 2,850,240 | 196,118 | 26.88% |
| 200 | 0.008986 | 3,331,534 | 116,034 | 0 | 3,015,573 | 199,927 | 27.78% |
| 37 | 0.002618 | 3,407,590 | 277,718 | 0 | 2,881,398 | 248,473 | 28.04% |
| 242 | 0.008986 | 3,423,562 | 237,546 | 0 | 3,043,099 | 142,917 | 28.94% |
| 169 | 0.000642 | 3,734,122 | 676,616 | 0 | 2,847,963 | 209,544 | 29.00% |
| 102 | 0.008986 | 3,795,800 | 87,648 | 0 | 3,502,700 | 205,452 | 29.90% |
| 142 | 0.002618 | 3,823,739 | 274,564 | 0 | 3,236,768 | 312,407 | 30.16% |
| 225 | 0.000642 | 3,841,956 | 404,874 | 0 | 3,166,309 | 270,774 | 30.23% |
| 208 | 0.006532 | 3,960,913 | 216,796 | 0 | 3,585,177 | 158,940 | 30.88% |
| 67 | 0.008986 | 4,067,260 | 162,846 | 0 | 3,706,728 | 197,687 | 31.78% |
| 92 | 0.000642 | 4,141,830 | 521,738 | 0 | 3,411,452 | 208,640 | 31.84% |
| 79 | 0.002618 | 4,214,978 | 58,432 | 0 | 3,968,222 | 188,324 | 32.10% |
| 108 | 0.006532 | 4,217,428 | 288,176 | 0 | 3,774,513 | 154,739 | 32.76% |
| 151 | 0.008986 | 4,373,398 | 108,398 | 0 | 4,059,592 | 205,408 | 33.66% |
| 11 | 0.008986 | 4,450,204 | 10,956 | 0 | 4,193,507 | 245,742 | 34.55% |
| 53 | 0.008986 | 4,729,292 | 192,228 | 0 | 4,311,315 | 225,750 | 35.45% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | Sinclair |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|----------|
| 165 | 0.008986 | 4,740,942 | 113,378 | 0 | 4,400,388 | 227,176 | 36.35% | |
| 220 | 0.006532 | 4,865,701 | 254,312 | 0 | 4,352,199 | 259,189 | 37.00% | |
| 157 | 0.006532 | 4,867,938 | 74,534 | 0 | 4,560,399 | 233,005 | 37.66% | |
| 186 | 0.008986 | 5,210,060 | 72,874 | 0 | 4,932,421 | 204,765 | 38.56% | |
| 57 | 0.000642 | 5,280,397 | 670,308 | 0 | 4,306,537 | 303,552 | 38.62% | |
| 129 | 0.006532 | 5,298,785 | 267,592 | 0 | 4,785,528 | 245,665 | 39.27% | |
| 17 | 0.006532 | 5,309,365 | 358,228 | 0 | 4,613,021 | 338,116 | 39.93% | |
| 192 | 0.006532 | 5,402,134 | 270,248 | 0 | 4,831,655 | 300,230 | 40.58% | |
| 4 | 0.008986 | 5,440,369 | 136,784 | 0 | 5,089,445 | 214,140 | 41.48% | |
| 124 | 0.006532 | 5,793,328 | 308,594 | 0 | 5,320,600 | 164,133 | 42.13% | |
| 32 | 0.008986 | 6,108,814 | 126,990 | 0 | 5,746,813 | 235,012 | 43.03% | |
| 75 | 0.006532 | 6,153,415 | 73,372 | 0 | 5,889,829 | 190,214 | 43.68% | |
| 213 | 0.006532 | 6,670,764 | 465,962 | 0 | 5,931,610 | 273,193 | 44.34% | |
| 137 | 0.008986 | 6,765,644 | 371,176 | 0 | 6,143,104 | 251,364 | 45.24% | |
| 180 | 0.006532 | 6,917,859 | 185,256 | 0 | 6,482,603 | 250,000 | 45.89% | |
| 243 | 0.006532 | 7,047,306 | 988,696 | 0 | 5,863,812 | 194,798 | 46.54% | |
| 93 | 0.002618 | 7,107,242 | 522,402 | 0 | 6,287,241 | 297,600 | 46.80% | |
| 235 | 0.008986 | 7,484,303 | 76,526 | 0 | 7,163,881 | 243,896 | 47.70% | |
| 115 | 0.006532 | 8,264,110 | 66,566 | 0 | 7,914,630 | 282,914 | 48.36% | |
| 38 | 0.006532 | 8,369,234 | 345,446 | 0 | 7,700,023 | 323,765 | 49.01% | |
| 88 | 0.008986 | 8,760,597 | 247,174 | 0 | 8,210,178 | 303,245 | 49.91% | |
| 170 | 0.002618 | 8,868,290 | 1,217,278 | 0 | 7,366,291 | 284,721 | 50.17% | |
| 103 | 0.006532 | 8,940,395 | 121,014 | 0 | 8,545,884 | 273,497 | 50.82% | |
| 201 | 0.006532 | 9,029,610 | 337,810 | 0 | 8,402,766 | 289,034 | 51.48% | |
| 47 | 0.006532 | 9,174,903 | 404,708 | 0 | 8,529,863 | 240,332 | 52.13% | |
| 25 | 0.008986 | 9,448,839 | 668,648 | 0 | 8,518,758 | 261,433 | 53.03% | |
| 209 | 0.002618 | 9,542,173 | 862,536 | 0 | 8,461,997 | 217,640 | 53.29% | |
| 12 | 0.006532 | 9,674,081 | 54,946 | 0 | 9,313,383 | 305,752 | 53.94% | |
| 226 | 0.002618 | 9,758,359 | 841,122 | 0 | 8,538,342 | 378,895 | 54.20% | |
| 187 | 0.006532 | 9,794,699 | 165,004 | 0 | 9,356,990 | 272,705 | 54.86% | |
| 109 | 0.008986 | 9,827,938 | 596,438 | 0 | 9,036,501 | 194,998 | 55.76% | |
| 54 | 0.006532 | 9,891,258 | 862,702 | 0 | 8,732,284 | 296,272 | 56.41% | |
| 158 | 0.008986 | 10,131,411 | 176,458 | 0 | 9,659,898 | 295,056 | 57.31% | |
| 166 | 0.006532 | 10,472,161 | 97,940 | 0 | 10,051,821 | 322,399 | 57.96% | |
| 5 | 0.006532 | 10,819,704 | 193,390 | 0 | 10,330,445 | 295,869 | 58.61% | |
| 33 | 0.006532 | 10,984,886 | 172,474 | 0 | 10,509,044 | 303,369 | 59.27% | |
| 221 | 0.008986 | 11,440,531 | 398,898 | 0 | 10,704,081 | 337,553 | 60.17% | |
| 80 | 0.006532 | 11,624,284 | 93,624 | 0 | 11,280,444 | 250,217 | 60.82% | |
| 236 | 0.006532 | 12,344,689 | 180,608 | 0 | 11,833,308 | 330,772 | 61.47% | |
| 68 | 0.006532 | 12,812,356 | 491,028 | 0 | 12,066,059 | 255,269 | 62.13% | |
| 94 | 0.006532 | 12,927,516 | 828,672 | 0 | 11,695,801 | 403,043 | 62.78% | |
| 143 | 0.006532 | 12,965,495 | 619,678 | 0 | 11,940,302 | 405,515 | 63.43% | |
| 130 | 0.008986 | 13,308,854 | 630,634 | 0 | 12,344,704 | 333,516 | 64.33% | |
| 76 | 0.002618 | 13,560,079 | 328,680 | 0 | 12,979,073 | 252,327 | 64.59% | |
| 152 | 0.006532 | 14,832,146 | 383,294 | 0 | 14,168,107 | 280,745 | 65.25% | |
| 18 | 0.008986 | 15,027,152 | 1,483,376 | 0 | 13,076,502 | 467,274 | 66.14% | |
| 58 | 0.002618 | 15,046,678 | 2,051,262 | 0 | 12,587,234 | 408,182 | 66.41% | |
| 193 | 0.008986 | 15,139,818 | 572,368 | 0 | 14,151,061 | 416,389 | 67.30% | |
| 125 | 0.002618 | 15,267,154 | 1,668,466 | 0 | 13,379,494 | 219,194 | 67.57% | |
| 26 | 0.006532 | 15,723,899 | 1,253,134 | 0 | 14,109,296 | 361,469 | 68.22% | |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|------------|--------|-------------|------------|---------------|----------|
| 138 | 0.006532 | 15,760,174 | 632,294 | 0 | 0 | 14,790,324 | 337,556 | 68.87% |
| 214 | 0.008986 | 16,865,993 | 1,192,378 | 0 | 0 | 15,306,437 | 367,178 | 69.77% |
| 181 | 0.002618 | 17,306,417 | 738,202 | 0 | 0 | 16,222,706 | 345,509 | 70.03% |
| 39 | 0.008986 | 17,696,693 | 756,130 | 0 | 0 | 16,502,800 | 437,763 | 70.93% |
| 244 | 0.002618 | 17,800,818 | 2,217,594 | 0 | 0 | 15,312,511 | 270,713 | 71.19% |
| 81 | 0.008986 | 18,109,335 | 116,864 | 0 | 0 | 17,664,905 | 327,566 | 72.09% |
| 227 | 0.006532 | 19,169,542 | 1,693,034 | 0 | 0 | 16,990,963 | 485,545 | 72.74% |
| 48 | 0.002618 | 19,221,001 | 1,037,168 | 0 | 0 | 17,856,531 | 327,302 | 73.01% |
| 188 | 0.002618 | 19,737,524 | 245,514 | 0 | 0 | 19,137,686 | 354,324 | 73.27% |
| 104 | 0.002618 | 19,831,125 | 348,434 | 0 | 0 | 19,106,753 | 375,938 | 73.53% |
| 116 | 0.008986 | 19,853,492 | 324,862 | 0 | 0 | 19,135,169 | 393,461 | 74.43% |
| 69 | 0.002618 | 20,484,734 | 1,299,614 | 0 | 0 | 18,839,076 | 346,045 | 74.69% |
| 202 | 0.002618 | 20,527,317 | 1,094,106 | 0 | 0 | 19,052,295 | 380,915 | 74.95% |
| 153 | 0.002618 | 20,864,298 | 261,450 | 0 | 0 | 20,238,375 | 364,473 | 75.21% |
| 89 | 0.006532 | 21,235,261 | 505,470 | 0 | 0 | 20,326,929 | 402,862 | 75.87% |
| 171 | 0.006532 | 21,447,847 | 3,652,332 | 0 | 0 | 17,431,917 | 363,598 | 76.52% |
| 159 | 0.006532 | 22,761,220 | 313,906 | 0 | 0 | 22,052,753 | 394,561 | 77.17% |
| 34 | 0.002618 | 22,811,639 | 533,524 | 0 | 0 | 21,879,248 | 398,867 | 77.44% |
| 210 | 0.000642 | 23,323,203 | 2,977,542 | 0 | 0 | 20,034,965 | 310,696 | 77.50% |
| 144 | 0.008986 | 24,419,131 | 1,657,012 | 0 | 0 | 22,228,700 | 533,419 | 78.40% |
| 55 | 0.002618 | 24,499,456 | 3,857,674 | 0 | 0 | 20,250,165 | 391,617 | 78.66% |
| 167 | 0.002618 | 25,008,796 | 254,644 | 0 | 0 | 24,332,307 | 421,845 | 78.92% |
| 110 | 0.006532 | 25,224,596 | 2,032,006 | 0 | 0 | 22,929,528 | 263,063 | 79.58% |
| 6 | 0.002618 | 25,599,537 | 327,186 | 0 | 0 | 24,874,566 | 397,785 | 79.84% |
| 131 | 0.006532 | 27,816,579 | 779,868 | 0 | 0 | 26,607,114 | 429,597 | 80.49% |
| 95 | 0.008986 | 29,822,500 | 1,444,200 | 0 | 0 | 27,834,996 | 543,304 | 81.39% |
| 222 | 0.006532 | 30,840,073 | 998,988 | 0 | 0 | 29,396,930 | 444,154 | 82.04% |
| 13 | 0.002618 | 31,028,848 | 269,418 | 0 | 0 | 30,348,503 | 410,927 | 82.30% |
| 77 | 0.000642 | 31,236,839 | 336,316 | 0 | 0 | 30,537,874 | 362,650 | 82.37% |
| 126 | 0.000642 | 31,335,797 | 5,352,504 | 0 | 0 | 25,674,648 | 308,645 | 82.43% |
| 139 | 0.002618 | 31,695,437 | 2,915,790 | 0 | 0 | 28,324,753 | 454,894 | 82.69% |
| 237 | 0.002618 | 31,894,318 | 574,360 | 0 | 0 | 30,867,648 | 452,310 | 82.96% |
| 19 | 0.006532 | 32,719,568 | 4,933,188 | 0 | 0 | 27,164,130 | 622,250 | 83.61% |
| 59 | 0.006532 | 36,223,133 | 7,703,230 | 0 | 0 | 28,014,201 | 505,703 | 84.26% |
| 215 | 0.006532 | 36,600,190 | 2,579,640 | 0 | 0 | 33,536,864 | 483,686 | 84.92% |
| 117 | 0.006532 | 36,810,944 | 360,552 | 0 | 0 | 35,943,888 | 506,504 | 85.57% |
| 194 | 0.006532 | 37,341,372 | 1,016,086 | 0 | 0 | 35,766,190 | 559,096 | 86.22% |
| 27 | 0.002618 | 37,615,914 | 4,832,592 | 0 | 0 | 32,293,875 | 489,447 | 86.48% |
| 82 | 0.006532 | 38,600,433 | 142,428 | 0 | 0 | 38,021,871 | 436,134 | 87.14% |
| 90 | 0.002618 | 40,157,650 | 798,128 | 0 | 0 | 38,848,403 | 511,119 | 87.40% |
| 49 | 0.000642 | 40,710,414 | 4,307,368 | 0 | 0 | 35,956,770 | 446,276 | 87.46% |
| 40 | 0.006532 | 41,974,654 | 2,773,362 | 0 | 0 | 38,621,928 | 579,365 | 88.12% |
| 228 | 0.008986 | 42,510,295 | 5,356,986 | 0 | 0 | 36,532,809 | 620,500 | 89.01% |
| 245 | 0.000642 | 42,859,679 | 9,711,996 | 0 | 0 | 32,776,155 | 371,529 | 89.08% |
| 182 | 0.000642 | 43,273,680 | 2,122,642 | 0 | 0 | 40,666,962 | 484,076 | 89.14% |
| 172 | 0.008986 | 47,655,191 | 11,953,992 | 0 | 0 | 35,217,597 | 483,602 | 90.04% |
| 189 | 0.000642 | 49,092,350 | 609,718 | 0 | 0 | 47,973,514 | 509,118 | 90.11% |
| 35 | 0.000642 | 50,500,106 | 1,408,344 | 0 | 0 | 48,521,919 | 569,843 | 90.17% |
| 111 | 0.002618 | 51,850,205 | 7,458,380 | 0 | 0 | 44,067,339 | 324,486 | 90.43% |
| 154 | 0.000642 | 52,464,732 | 814,562 | 0 | 0 | 51,131,061 | 519,109 | 90.50% |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-------------|-------------|---------------|----------|
| 145 | 0.006532 | 53,069,920 | 3,247,126 | 0 | 0 | 49,134,689 | 688,105 | 91.15% |
| 160 | 0.002618 | 53,380,079 | 1,803,590 | 0 | 0 | 51,049,511 | 526,978 | 91.41% |
| 105 | 0.000642 | 54,049,254 | 1,280,690 | 0 | 0 | 52,241,356 | 527,208 | 91.48% |
| 203 | 0.000642 | 55,842,444 | 6,193,128 | 0 | 0 | 49,124,797 | 524,519 | 91.54% |
| 56 | 0.000642 | 58,420,649 | 14,295,256 | 0 | 0 | 43,585,110 | 540,283 | 91.60% |
| 168 | 0.000642 | 58,509,985 | 673,462 | 0 | 0 | 57,258,960 | 577,563 | 91.67% |
| 70 | 0.000642 | 59,402,431 | 5,329,762 | 0 | 0 | 53,594,081 | 478,588 | 91.73% |
| 132 | 0.002618 | 59,714,203 | 2,786,476 | 0 | 0 | 56,341,905 | 585,822 | 91.99% |
| 14 | 0.000642 | 60,774,962 | 1,259,442 | 0 | 0 | 58,941,637 | 573,883 | 92.06% |
| 7 | 0.000642 | 62,359,716 | 801,282 | 0 | 0 | 60,995,652 | 562,782 | 92.12% |
| 223 | 0.002618 | 66,872,657 | 2,929,402 | 0 | 0 | 63,376,955 | 566,299 | 92.38% |
| 195 | 0.002618 | 68,236,922 | 2,510,916 | 0 | 0 | 65,010,992 | 715,014 | 92.65% |
| 96 | 0.006532 | 71,437,699 | 4,098,374 | 0 | 0 | 66,648,742 | 690,583 | 93.30% |
| 238 | 0.000642 | 72,681,121 | 852,078 | 0 | 0 | 71,205,874 | 623,170 | 93.36% |
| 83 | 0.002618 | 73,998,298 | 609,220 | 0 | 0 | 72,820,196 | 568,882 | 93.63% |
| 216 | 0.002618 | 74,760,455 | 7,021,468 | 0 | 0 | 67,117,038 | 621,949 | 93.89% |
| 60 | 0.008986 | 76,691,255 | 22,375,804 | 0 | 0 | 53,680,210 | 635,241 | 94.79% |
| 20 | 0.002618 | 76,970,094 | 17,538,232 | 0 | 0 | 58,592,806 | 839,056 | 95.05% |
| 140 | 0.000642 | 81,391,984 | 13,436,372 | 0 | 0 | 67,337,735 | 617,877 | 95.11% |
| 41 | 0.002618 | 83,179,014 | 7,310,640 | 0 | 0 | 75,125,307 | 743,067 | 95.37% |
| 28 | 0.000642 | 83,300,235 | 14,547,908 | 0 | 0 | 68,100,242 | 652,086 | 95.44% |
| 118 | 0.002618 | 84,583,117 | 2,254,778 | 0 | 0 | 81,683,881 | 644,458 | 95.70% |
| 146 | 0.002618 | 92,566,267 | 9,910,532 | 0 | 0 | 81,825,008 | 830,727 | 95.96% |
| 91 | 0.000642 | 97,290,613 | 3,015,390 | 0 | 0 | 93,577,947 | 697,277 | 96.03% |
| 229 | 0.006532 | 99,741,563 | 15,759,376 | 0 | 0 | 83,199,120 | 783,067 | 96.68% |
| 161 | 0.000642 | 102,061,910 | 4,342,726 | 0 | 0 | 97,046,739 | 672,445 | 96.74% |
| 173 | 0.006532 | 103,653,430 | 31,571,706 | 0 | 0 | 71,466,049 | 615,675 | 97.40% |
| 133 | 0.000642 | 113,282,091 | 7,312,964 | 0 | 0 | 105,211,574 | 757,553 | 97.46% |
| 112 | 0.000642 | 116,682,911 | 23,592,584 | 0 | 0 | 92,676,316 | 414,011 | 97.52% |
| 84 | 0.000642 | 135,158,712 | 973,424 | 0 | 0 | 133,460,982 | 724,306 | 97.59% |
| 97 | 0.002618 | 147,156,040 | 14,279,652 | 0 | 0 | 132,034,725 | 841,664 | 97.85% |
| 224 | 0.000642 | 149,379,907 | 9,200,052 | 0 | 0 | 139,441,755 | 738,100 | 97.91% |
| 196 | 0.000642 | 151,895,390 | 6,606,468 | 0 | 0 | 144,357,647 | 931,275 | 97.98% |
| 119 | 0.000642 | 156,285,001 | 6,386,518 | 0 | 0 | 149,089,534 | 808,949 | 98.04% |
| 217 | 0.000642 | 161,570,013 | 18,698,904 | 0 | 0 | 142,037,925 | 833,184 | 98.11% |
| 61 | 0.006532 | 168,742,908 | 59,734,602 | 0 | 0 | 108,197,662 | 810,644 | 98.76% |
| 42 | 0.000642 | 183,558,371 | 21,638,930 | 0 | 0 | 160,976,788 | 942,653 | 98.82% |
| 230 | 0.002618 | 186,062,317 | 42,312,902 | 0 | 0 | 142,792,100 | 957,315 | 99.09% |
| 174 | 0.002618 | 191,436,141 | 82,818,064 | 0 | 0 | 107,886,912 | 731,165 | 99.35% |
| 21 | 0.000642 | 199,154,207 | 68,881,866 | 0 | 0 | 129,160,194 | 1,112,148 | 99.41% |
| 147 | 0.000642 | 206,225,678 | 35,936,012 | 0 | 0 | 169,236,242 | 1,053,424 | 99.48% |
| 98 | 0.000642 | 327,831,250 | 44,657,652 | 0 | 0 | 282,108,094 | 1,065,503 | 99.54% |
| 62 | 0.002618 | 331,002,392 | 169,616,642 | 0 | 0 | 160,409,079 | 976,671 | 99.80% |
| 175 | 0.000642 | 388,678,955 | 202,564,654 | 0 | 0 | 185,156,506 | 957,795 | 99.87% |
| 231 | 0.000642 | 408,070,041 | 140,914,080 | 0 | 0 | 265,964,265 | 1,191,695 | 99.93% |
| 63 | 0.000642 | 592,706,053 | 365,689,202 | 0 | 0 | 225,812,928 | 1,203,923 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|-----|--------|-----------------------|---------------|----------|-------|
| 204 | 0.000642 | 81,355 | | 0 | 0 | 46,253 | 35,102 | 0.06% |
| 71 | 0.000642 | 98,044 | | 996 | 0 | 53,802 | 43,246 | 0.13% |
| 239 | 0.000642 | 113,576 | | 0 | 0 | 65,088 | 48,488 | 0.19% |
| 120 | 0.000642 | 159,671 | | 35,358 | 0 | 81,873 | 42,440 | 0.26% |
| 197 | 0.000642 | 171,676 | | 1,494 | 0 | 100,863 | 69,318 | 0.32% |
| 183 | 0.000642 | 177,943 | | 5,146 | 0 | 107,859 | 64,937 | 0.39% |
| 50 | 0.000642 | 181,558 | | 16,102 | 0 | 89,122 | 76,335 | 0.45% |
| 148 | 0.000642 | 188,880 | | 166 | 0 | 116,174 | 72,540 | 0.51% |
| 99 | 0.000642 | 194,809 | | 0 | 0 | 128,963 | 65,846 | 0.58% |
| 43 | 0.000642 | 201,734 | | 36,354 | 0 | 108,319 | 57,061 | 0.64% |
| 232 | 0.000642 | 210,215 | | 830 | 0 | 123,655 | 85,731 | 0.71% |
| 64 | 0.000642 | 211,359 | | 9,794 | 0 | 130,119 | 71,446 | 0.77% |
| 29 | 0.000642 | 228,359 | | 0 | 0 | 151,103 | 77,256 | 0.83% |
| 205 | 0.002618 | 231,954 | | 18,592 | 0 | 153,306 | 60,056 | 1.10% |
| 162 | 0.000642 | 265,507 | | 166 | 0 | 183,033 | 82,308 | 1.16% |
| 1 | 0.000642 | 274,571 | | 28,054 | 0 | 168,447 | 78,069 | 1.22% |
| 134 | 0.000642 | 299,581 | | 59,760 | 0 | 153,253 | 86,568 | 1.29% |
| 22 | 0.000642 | 303,505 | | 0 | 0 | 206,840 | 96,665 | 1.35% |
| 8 | 0.000642 | 308,118 | | 0 | 0 | 211,259 | 96,858 | 1.42% |
| 121 | 0.002618 | 316,801 | | 32,204 | 0 | 227,851 | 56,747 | 1.68% |
| 85 | 0.000642 | 329,907 | | 1,660 | 0 | 216,249 | 111,999 | 1.74% |
| 176 | 0.000642 | 331,311 | | 0 | 0 | 266,840 | 64,471 | 1.81% |
| 72 | 0.002618 | 349,888 | | 45,484 | 0 | 240,450 | 63,954 | 2.07% |
| 240 | 0.002618 | 399,973 | | 332 | 0 | 327,113 | 72,528 | 2.33% |
| 206 | 0.006532 | 457,145 | | 3,652 | 0 | 368,277 | 85,216 | 2.98% |
| 177 | 0.002618 | 473,524 | | 17,928 | 0 | 354,648 | 100,948 | 3.25% |
| 51 | 0.002618 | 491,223 | | 11,620 | 0 | 372,893 | 106,710 | 3.51% |
| 78 | 0.000642 | 506,789 | | 16,102 | 0 | 360,118 | 130,569 | 3.57% |
| 184 | 0.002618 | 509,547 | | 2,656 | 0 | 406,351 | 100,540 | 3.83% |
| 100 | 0.002618 | 535,730 | | 12,948 | 0 | 420,933 | 101,849 | 4.10% |
| 44 | 0.002618 | 542,401 | | 69,388 | 0 | 385,864 | 87,149 | 4.36% |
| 163 | 0.002618 | 550,505 | | 11,952 | 0 | 415,643 | 122,910 | 4.62% |
| 155 | 0.000642 | 551,423 | | 40,338 | 0 | 387,629 | 123,457 | 4.68% |
| 65 | 0.002618 | 553,745 | | 48,140 | 0 | 398,563 | 107,042 | 4.95% |
| 30 | 0.002618 | 557,060 | | 16,434 | 0 | 420,914 | 119,712 | 5.21% |
| 149 | 0.002618 | 558,516 | | 45,816 | 0 | 408,096 | 104,604 | 5.47% |
| 198 | 0.002618 | 561,367 | | 9,130 | 0 | 446,824 | 105,413 | 5.73% |
| 218 | 0.000642 | 588,859 | | 38,180 | 0 | 424,113 | 126,565 | 5.80% |
| 106 | 0.000642 | 624,018 | | 96,446 | 0 | 450,217 | 77,354 | 5.86% |
| 73 | 0.006532 | 625,148 | | 1,162 | 0 | 531,869 | 92,117 | 6.51% |
| 122 | 0.006532 | 636,499 | | 52,954 | 0 | 503,251 | 80,295 | 7.17% |
| 2 | 0.002618 | 636,664 | | 2,324 | 0 | 516,435 | 117,905 | 7.43% |
| 36 | 0.000642 | 663,770 | | 27,888 | 0 | 466,897 | 168,985 | 7.49% |
| 190 | 0.000642 | 669,580 | | 42,330 | 0 | 464,104 | 163,146 | 7.56% |
| 15 | 0.000642 | 685,756 | | 45,982 | 0 | 468,069 | 171,705 | 7.62% |
| 241 | 0.006532 | 691,819 | | 24,900 | 0 | 567,607 | 99,313 | 8.27% |
| 233 | 0.002618 | 749,663 | | 44,156 | 0 | 572,365 | 133,142 | 8.54% |
| 9 | 0.002618 | 751,785 | | 0 | 0 | 622,083 | 129,701 | 8.80% |
| 127 | 0.000642 | 758,176 | | 73,040 | 0 | 566,483 | 118,653 | 8.86% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 113 | 0.000642 | 874,511 | 56,772 | 0 | 663,798 | 153,941 | 8.93% |
| 135 | 0.002618 | 880,828 | 63,246 | 0 | 687,731 | 129,851 | 9.19% |
| 211 | 0.000642 | 958,701 | 121,678 | 0 | 692,797 | 144,227 | 9.25% |
| 66 | 0.006532 | 1,054,150 | 17,264 | 0 | 897,453 | 139,433 | 9.90% |
| 86 | 0.002618 | 1,099,769 | 38,346 | 0 | 891,312 | 170,111 | 10.17% |
| 45 | 0.006532 | 1,128,641 | 39,010 | 0 | 965,594 | 124,037 | 10.82% |
| 178 | 0.006532 | 1,172,106 | 36,686 | 0 | 994,046 | 141,375 | 11.47% |
| 52 | 0.006532 | 1,210,680 | 17,596 | 0 | 1,035,639 | 157,445 | 12.13% |
| 23 | 0.002618 | 1,235,691 | 154,214 | 0 | 937,928 | 143,549 | 12.39% |
| 31 | 0.006532 | 1,259,199 | 33,366 | 0 | 1,066,718 | 159,114 | 13.04% |
| 199 | 0.006532 | 1,281,833 | 21,912 | 0 | 1,104,787 | 155,135 | 13.69% |
| 141 | 0.000642 | 1,308,649 | 138,776 | 0 | 953,949 | 215,924 | 13.76% |
| 128 | 0.002618 | 1,315,542 | 85,324 | 0 | 1,050,546 | 179,672 | 14.02% |
| 185 | 0.006532 | 1,487,935 | 21,248 | 0 | 1,325,632 | 141,055 | 14.67% |
| 164 | 0.006532 | 1,512,309 | 59,760 | 0 | 1,279,537 | 173,012 | 15.33% |
| 101 | 0.006532 | 1,571,785 | 154,712 | 0 | 1,269,123 | 147,951 | 15.98% |
| 207 | 0.008986 | 1,586,806 | 69,720 | 0 | 1,402,770 | 114,316 | 16.88% |
| 123 | 0.008986 | 1,717,366 | 25,564 | 0 | 1,570,616 | 121,186 | 17.78% |
| 10 | 0.006532 | 1,720,463 | 14,774 | 0 | 1,519,545 | 186,144 | 18.43% |
| 169 | 0.000642 | 1,720,755 | 297,804 | 0 | 1,223,294 | 199,656 | 18.49% |
| 219 | 0.002618 | 1,737,359 | 93,790 | 0 | 1,463,396 | 180,173 | 18.76% |
| 107 | 0.002618 | 1,765,481 | 146,910 | 0 | 1,504,511 | 114,060 | 19.02% |
| 136 | 0.006532 | 1,774,379 | 173,802 | 0 | 1,416,679 | 183,898 | 19.67% |
| 150 | 0.006532 | 1,777,528 | 19,920 | 0 | 1,603,096 | 154,513 | 20.32% |
| 3 | 0.006532 | 1,777,852 | 65,404 | 0 | 1,550,919 | 161,529 | 20.98% |
| 225 | 0.000642 | 1,793,224 | 129,646 | 0 | 1,385,928 | 277,650 | 21.04% |
| 79 | 0.002618 | 1,845,248 | 18,592 | 0 | 1,646,396 | 180,260 | 21.30% |
| 191 | 0.002618 | 1,863,010 | 113,544 | 0 | 1,521,965 | 227,501 | 21.57% |
| 156 | 0.002618 | 1,957,231 | 36,354 | 0 | 1,752,488 | 168,389 | 21.83% |
| 234 | 0.006532 | 2,049,730 | 48,970 | 0 | 1,827,720 | 173,039 | 22.48% |
| 24 | 0.006532 | 2,052,682 | 72,376 | 0 | 1,786,655 | 193,652 | 23.13% |
| 92 | 0.000642 | 2,190,660 | 304,278 | 0 | 1,675,946 | 210,436 | 23.20% |
| 87 | 0.006532 | 2,234,397 | 44,156 | 0 | 1,959,189 | 231,052 | 23.85% |
| 16 | 0.002618 | 2,288,982 | 245,348 | 0 | 1,803,108 | 240,526 | 24.11% |
| 242 | 0.008986 | 2,371,352 | 141,432 | 0 | 2,087,238 | 142,682 | 25.01% |
| 208 | 0.006532 | 2,400,966 | 147,242 | 0 | 2,087,846 | 165,877 | 25.66% |
| 212 | 0.002618 | 2,634,045 | 158,530 | 0 | 2,267,557 | 207,958 | 25.93% |
| 200 | 0.008986 | 2,686,468 | 129,812 | 0 | 2,355,290 | 201,366 | 26.82% |
| 46 | 0.008986 | 2,713,561 | 95,948 | 0 | 2,446,823 | 170,790 | 27.72% |
| 129 | 0.006532 | 2,739,079 | 139,440 | 0 | 2,363,007 | 236,632 | 28.38% |
| 74 | 0.008986 | 2,774,883 | 99,600 | 0 | 2,532,729 | 142,553 | 29.28% |
| 114 | 0.002618 | 2,784,914 | 127,488 | 0 | 2,427,176 | 230,250 | 29.54% |
| 179 | 0.008986 | 2,903,494 | 60,590 | 0 | 2,651,402 | 191,503 | 30.44% |
| 57 | 0.000642 | 2,913,094 | 470,776 | 0 | 2,143,486 | 298,832 | 30.50% |
| 102 | 0.008986 | 3,029,081 | 44,820 | 0 | 2,774,863 | 209,398 | 31.40% |
| 151 | 0.008986 | 3,040,337 | 12,118 | 0 | 2,821,243 | 206,976 | 32.30% |
| 142 | 0.002618 | 3,092,986 | 198,536 | 0 | 2,586,124 | 308,327 | 32.56% |
| 108 | 0.006532 | 3,111,392 | 195,714 | 0 | 2,761,778 | 153,900 | 33.21% |
| 53 | 0.008986 | 3,165,760 | 66,732 | 0 | 2,871,608 | 227,420 | 34.11% |
| 37 | 0.002618 | 3,202,908 | 221,278 | 0 | 2,730,205 | 251,425 | 34.37% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 32 | 0.008986 | 3,340,258 | 33,034 | 0 | 3,082,483 | 224,741 | 35.27% |
| 4 | 0.008986 | 3,477,294 | 93,790 | 0 | 3,177,840 | 205,664 | 36.17% |
| 67 | 0.008986 | 3,520,995 | 35,524 | 0 | 3,288,955 | 196,515 | 37.07% |
| 186 | 0.008986 | 3,575,394 | 94,454 | 0 | 3,281,376 | 199,564 | 37.97% |
| 235 | 0.008986 | 3,580,371 | 43,326 | 0 | 3,286,380 | 250,665 | 38.87% |
| 220 | 0.006532 | 3,611,650 | 157,534 | 0 | 3,197,259 | 256,857 | 39.52% |
| 165 | 0.008986 | 3,624,128 | 66,068 | 0 | 3,317,729 | 240,331 | 40.42% |
| 157 | 0.006532 | 3,786,085 | 155,210 | 0 | 3,404,325 | 226,550 | 41.07% |
| 124 | 0.006532 | 4,179,373 | 291,496 | 0 | 3,718,194 | 169,683 | 41.72% |
| 75 | 0.006532 | 4,214,212 | 39,674 | 0 | 3,982,357 | 192,181 | 42.38% |
| 11 | 0.008986 | 4,289,223 | 49,966 | 0 | 3,997,421 | 241,836 | 43.28% |
| 137 | 0.008986 | 4,398,514 | 230,242 | 0 | 3,919,213 | 249,059 | 44.17% |
| 17 | 0.006532 | 4,440,278 | 321,708 | 0 | 3,779,603 | 338,967 | 44.83% |
| 47 | 0.006532 | 4,852,436 | 212,646 | 0 | 4,404,778 | 235,012 | 45.48% |
| 25 | 0.008986 | 5,086,620 | 318,222 | 0 | 4,509,344 | 259,054 | 46.38% |
| 93 | 0.002618 | 5,113,716 | 358,560 | 0 | 4,451,436 | 303,720 | 46.64% |
| 243 | 0.006532 | 5,267,433 | 452,018 | 0 | 4,610,337 | 205,078 | 47.29% |
| 192 | 0.006532 | 5,297,353 | 296,974 | 0 | 4,686,689 | 313,691 | 47.95% |
| 38 | 0.006532 | 5,607,893 | 423,466 | 0 | 4,851,069 | 333,358 | 48.60% |
| 80 | 0.006532 | 5,884,306 | 84,162 | 0 | 5,538,787 | 261,356 | 49.25% |
| 187 | 0.006532 | 6,061,554 | 41,002 | 0 | 5,738,272 | 282,280 | 49.91% |
| 180 | 0.006532 | 6,115,769 | 211,484 | 0 | 5,646,373 | 257,912 | 50.56% |
| 115 | 0.006532 | 6,135,790 | 94,288 | 0 | 5,751,512 | 289,991 | 51.21% |
| 54 | 0.006532 | 6,525,505 | 447,536 | 0 | 5,781,330 | 296,640 | 51.87% |
| 201 | 0.006532 | 6,583,693 | 353,082 | 0 | 5,956,567 | 274,044 | 52.52% |
| 88 | 0.008986 | 6,768,346 | 161,352 | 0 | 6,313,337 | 293,656 | 53.42% |
| 5 | 0.006532 | 6,902,657 | 42,994 | 0 | 6,572,113 | 287,551 | 54.07% |
| 209 | 0.002618 | 6,992,646 | 704,670 | 0 | 6,058,915 | 229,060 | 54.33% |
| 33 | 0.006532 | 7,115,041 | 68,226 | 0 | 6,745,560 | 301,255 | 54.99% |
| 170 | 0.002618 | 7,141,199 | 873,326 | 0 | 5,978,541 | 289,332 | 55.25% |
| 130 | 0.008986 | 7,153,406 | 214,140 | 0 | 6,608,923 | 330,343 | 56.15% |
| 152 | 0.006532 | 7,219,817 | 88,312 | 0 | 6,855,309 | 276,196 | 56.80% |
| 226 | 0.002618 | 7,239,530 | 695,042 | 0 | 6,159,654 | 384,834 | 57.06% |
| 213 | 0.006532 | 7,427,472 | 379,642 | 0 | 6,767,103 | 280,727 | 57.72% |
| 158 | 0.008986 | 8,177,595 | 109,726 | 0 | 7,760,984 | 306,885 | 58.61% |
| 103 | 0.006532 | 8,213,672 | 341,130 | 0 | 7,585,062 | 287,481 | 59.27% |
| 12 | 0.006532 | 8,270,205 | 76,360 | 0 | 7,879,763 | 314,082 | 59.92% |
| 166 | 0.006532 | 8,385,341 | 176,956 | 0 | 7,876,595 | 331,790 | 60.57% |
| 143 | 0.006532 | 8,607,214 | 560,084 | 0 | 7,640,388 | 406,742 | 61.23% |
| 68 | 0.006532 | 8,611,133 | 288,342 | 0 | 8,064,034 | 258,756 | 61.88% |
| 236 | 0.006532 | 8,630,128 | 72,376 | 0 | 8,222,356 | 335,396 | 62.53% |
| 125 | 0.002618 | 8,672,453 | 1,225,910 | 0 | 7,233,452 | 213,091 | 62.79% |
| 221 | 0.008986 | 8,978,333 | 454,176 | 0 | 8,189,764 | 334,394 | 63.69% |
| 76 | 0.002618 | 9,977,185 | 130,476 | 0 | 9,582,370 | 264,339 | 63.96% |
| 58 | 0.002618 | 10,565,932 | 1,462,626 | 0 | 8,698,067 | 405,239 | 64.22% |
| 193 | 0.008986 | 10,578,149 | 343,620 | 0 | 9,815,845 | 418,684 | 65.12% |
| 94 | 0.006532 | 10,818,489 | 778,208 | 0 | 9,626,905 | 413,375 | 65.77% |
| 244 | 0.002618 | 11,006,765 | 1,833,138 | 0 | 8,905,350 | 268,277 | 66.03% |
| 109 | 0.008986 | 11,058,586 | 810,744 | 0 | 10,040,917 | 206,925 | 66.93% |
| 214 | 0.008986 | 11,749,601 | 658,688 | 0 | 10,723,369 | 367,544 | 67.83% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 138 | 0.006532 | 11,781,223 | 707,492 | 0 | 10,727,286 | 346,445 | 68.48% |
| 18 | 0.008986 | 12,052,985 | 1,005,960 | 0 | 10,574,816 | 472,209 | 69.38% |
| 81 | 0.008986 | 12,947,752 | 80,842 | 0 | 12,525,357 | 341,553 | 70.28% |
| 26 | 0.006532 | 13,184,106 | 879,966 | 0 | 11,927,628 | 376,512 | 70.93% |
| 181 | 0.002618 | 13,390,238 | 561,578 | 0 | 12,472,007 | 356,653 | 71.19% |
| 227 | 0.006532 | 13,799,962 | 903,870 | 0 | 12,386,589 | 509,503 | 71.85% |
| 144 | 0.008986 | 14,189,924 | 984,878 | 0 | 12,686,663 | 518,383 | 72.74% |
| 89 | 0.006532 | 14,282,320 | 288,342 | 0 | 13,601,143 | 392,835 | 73.40% |
| 116 | 0.008986 | 15,042,024 | 176,458 | 0 | 14,470,806 | 394,760 | 74.30% |
| 39 | 0.008986 | 15,408,054 | 652,214 | 0 | 14,314,395 | 441,445 | 75.20% |
| 188 | 0.002618 | 15,715,171 | 137,780 | 0 | 15,195,542 | 381,849 | 75.46% |
| 202 | 0.002618 | 16,147,130 | 1,202,006 | 0 | 14,570,731 | 374,393 | 75.72% |
| 48 | 0.002618 | 16,194,130 | 1,130,294 | 0 | 14,731,662 | 332,174 | 75.98% |
| 104 | 0.002618 | 16,743,247 | 261,948 | 0 | 16,101,316 | 379,983 | 76.24% |
| 210 | 0.000642 | 16,995,930 | 2,690,030 | 0 | 13,997,665 | 308,235 | 76.31% |
| 167 | 0.002618 | 17,093,004 | 189,572 | 0 | 16,470,660 | 432,772 | 76.57% |
| 171 | 0.006532 | 17,415,936 | 3,027,176 | 0 | 14,007,804 | 380,956 | 77.22% |
| 110 | 0.006532 | 17,639,671 | 1,534,172 | 0 | 15,842,615 | 262,884 | 77.87% |
| 153 | 0.002618 | 18,028,424 | 191,730 | 0 | 17,445,000 | 391,694 | 78.14% |
| 55 | 0.002618 | 18,143,227 | 3,150,846 | 0 | 14,583,794 | 408,586 | 78.40% |
| 34 | 0.002618 | 18,391,079 | 363,706 | 0 | 17,613,074 | 414,300 | 78.66% |
| 6 | 0.002618 | 18,499,631 | 227,752 | 0 | 17,880,603 | 391,277 | 78.92% |
| 159 | 0.006532 | 19,022,294 | 404,044 | 0 | 18,206,456 | 411,794 | 79.58% |
| 131 | 0.006532 | 19,304,544 | 508,790 | 0 | 18,344,646 | 451,108 | 80.23% |
| 13 | 0.002618 | 19,574,810 | 281,868 | 0 | 18,871,507 | 421,435 | 80.49% |
| 69 | 0.002618 | 19,624,440 | 1,148,886 | 0 | 18,120,646 | 354,908 | 80.75% |
| 126 | 0.000642 | 20,087,155 | 4,098,706 | 0 | 15,689,687 | 298,762 | 80.82% |
| 237 | 0.002618 | 21,123,942 | 193,224 | 0 | 20,468,259 | 462,459 | 81.08% |
| 222 | 0.006532 | 22,369,397 | 768,248 | 0 | 21,148,944 | 452,205 | 81.73% |
| 59 | 0.006532 | 23,864,880 | 5,086,572 | 0 | 18,268,731 | 509,576 | 82.38% |
| 77 | 0.000642 | 25,376,531 | 463,472 | 0 | 24,534,138 | 378,920 | 82.45% |
| 194 | 0.006532 | 25,791,951 | 949,520 | 0 | 24,281,293 | 561,138 | 83.10% |
| 139 | 0.002618 | 26,750,519 | 2,363,674 | 0 | 23,939,921 | 446,923 | 83.36% |
| 19 | 0.006532 | 26,789,458 | 3,637,226 | 0 | 22,520,745 | 631,487 | 84.02% |
| 27 | 0.002618 | 26,851,705 | 3,204,464 | 0 | 23,154,169 | 493,072 | 84.28% |
| 95 | 0.008986 | 26,994,121 | 1,364,354 | 0 | 25,080,194 | 549,573 | 85.18% |
| 49 | 0.000642 | 28,262,745 | 2,800,088 | 0 | 25,001,878 | 460,779 | 85.24% |
| 40 | 0.006532 | 28,878,236 | 1,955,646 | 0 | 26,333,974 | 588,616 | 85.89% |
| 182 | 0.000642 | 29,677,078 | 1,759,102 | 0 | 27,445,202 | 472,774 | 85.96% |
| 245 | 0.000642 | 29,955,036 | 7,266,484 | 0 | 22,306,737 | 381,816 | 86.02% |
| 215 | 0.006532 | 29,955,688 | 1,969,590 | 0 | 27,471,584 | 514,514 | 86.68% |
| 117 | 0.006532 | 31,135,633 | 333,162 | 0 | 30,296,994 | 505,477 | 87.33% |
| 82 | 0.006532 | 31,557,820 | 216,796 | 0 | 30,889,490 | 451,535 | 87.98% |
| 105 | 0.000642 | 32,133,076 | 645,740 | 0 | 30,967,742 | 519,595 | 88.05% |
| 228 | 0.008986 | 33,128,702 | 3,929,718 | 0 | 28,557,633 | 641,352 | 88.95% |
| 90 | 0.002618 | 33,991,514 | 744,178 | 0 | 32,703,265 | 544,071 | 89.21% |
| 14 | 0.000642 | 36,100,405 | 706,330 | 0 | 34,850,603 | 543,472 | 89.27% |
| 189 | 0.000642 | 36,866,811 | 314,238 | 0 | 36,023,939 | 528,634 | 89.34% |
| 168 | 0.000642 | 37,369,377 | 382,630 | 0 | 36,406,945 | 579,802 | 89.40% |
| 70 | 0.000642 | 38,147,106 | 4,359,160 | 0 | 33,305,227 | 482,719 | 89.46% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 160 | 0.002618 | 39,112,296 | 917,814 | 0 | 37,668,503 | 525,979 | 89.73% |
| 203 | 0.000642 | 39,200,065 | 5,226,178 | 0 | 33,441,018 | 532,869 | 89.79% |
| 172 | 0.008986 | 39,677,265 | 9,498,520 | 0 | 29,689,197 | 489,548 | 90.69% |
| 111 | 0.002618 | 40,154,630 | 6,089,876 | 0 | 33,729,372 | 335,382 | 90.95% |
| 35 | 0.000642 | 40,484,082 | 1,190,884 | 0 | 38,727,923 | 565,275 | 91.01% |
| 7 | 0.000642 | 40,843,151 | 562,906 | 0 | 39,720,857 | 559,388 | 91.08% |
| 145 | 0.006532 | 41,069,998 | 3,225,546 | 0 | 37,153,353 | 691,099 | 91.73% |
| 132 | 0.002618 | 41,267,772 | 1,883,602 | 0 | 38,795,602 | 588,568 | 91.99% |
| 154 | 0.000642 | 42,086,395 | 507,628 | 0 | 41,051,606 | 527,162 | 92.06% |
| 56 | 0.000642 | 42,190,495 | 11,154,868 | 0 | 30,497,202 | 538,425 | 92.12% |
| 238 | 0.000642 | 44,917,503 | 558,590 | 0 | 43,745,003 | 613,910 | 92.19% |
| 223 | 0.002618 | 50,315,434 | 1,761,426 | 0 | 47,974,925 | 579,082 | 92.45% |
| 118 | 0.002618 | 51,421,896 | 1,417,806 | 0 | 49,364,437 | 639,653 | 92.71% |
| 195 | 0.002618 | 54,689,377 | 1,778,192 | 0 | 52,191,971 | 719,214 | 92.97% |
| 83 | 0.002618 | 56,831,388 | 360,386 | 0 | 55,897,972 | 573,031 | 93.23% |
| 216 | 0.002618 | 60,883,138 | 5,250,580 | 0 | 55,002,901 | 629,656 | 93.50% |
| 96 | 0.006532 | 61,378,221 | 4,130,578 | 0 | 56,562,468 | 685,176 | 94.15% |
| 60 | 0.008986 | 62,178,690 | 17,808,148 | 0 | 43,712,550 | 657,992 | 95.05% |
| 28 | 0.000642 | 62,519,236 | 11,580,492 | 0 | 50,259,435 | 679,309 | 95.11% |
| 140 | 0.000642 | 62,994,399 | 9,483,248 | 0 | 52,869,284 | 641,866 | 95.18% |
| 20 | 0.002618 | 65,012,301 | 13,853,198 | 0 | 50,285,002 | 874,101 | 95.44% |
| 91 | 0.000642 | 69,180,444 | 1,932,406 | 0 | 66,540,008 | 708,030 | 95.50% |
| 41 | 0.002618 | 69,676,576 | 5,915,410 | 0 | 63,019,339 | 741,827 | 95.76% |
| 229 | 0.006532 | 73,487,162 | 12,854,210 | 0 | 59,828,031 | 804,922 | 96.42% |
| 146 | 0.002618 | 74,406,443 | 8,011,326 | 0 | 65,541,573 | 853,544 | 96.68% |
| 161 | 0.000642 | 80,783,346 | 2,791,456 | 0 | 77,308,188 | 683,701 | 96.74% |
| 173 | 0.006532 | 83,039,821 | 26,812,984 | 0 | 55,593,322 | 633,516 | 97.40% |
| 112 | 0.000642 | 86,486,115 | 18,552,160 | 0 | 67,502,646 | 431,309 | 97.46% |
| 133 | 0.000642 | 88,868,273 | 6,365,602 | 0 | 81,737,483 | 765,188 | 97.52% |
| 84 | 0.000642 | 101,024,244 | 594,114 | 0 | 99,691,826 | 738,304 | 97.59% |
| 224 | 0.000642 | 106,228,953 | 6,535,420 | 0 | 98,914,116 | 779,417 | 97.65% |
| 119 | 0.000642 | 111,802,133 | 4,140,870 | 0 | 106,833,526 | 827,737 | 97.72% |
| 196 | 0.000642 | 114,467,611 | 5,389,522 | 0 | 108,136,684 | 941,405 | 97.78% |
| 97 | 0.002618 | 116,443,067 | 11,107,724 | 0 | 104,471,965 | 863,378 | 98.04% |
| 217 | 0.000642 | 119,137,176 | 15,412,768 | 0 | 102,870,714 | 853,695 | 98.11% |
| 61 | 0.006532 | 130,903,326 | 47,609,464 | 0 | 82,461,292 | 832,570 | 98.76% |
| 42 | 0.000642 | 136,053,927 | 17,736,270 | 0 | 117,357,780 | 959,877 | 98.82% |
| 21 | 0.000642 | 150,450,284 | 54,070,682 | 0 | 95,265,653 | 1,113,949 | 98.89% |
| 230 | 0.002618 | 152,168,260 | 36,034,948 | 0 | 115,143,176 | 990,136 | 99.15% |
| 174 | 0.002618 | 167,566,242 | 72,611,056 | 0 | 94,180,574 | 774,611 | 99.41% |
| 147 | 0.000642 | 172,134,297 | 29,925,152 | 0 | 141,098,720 | 1,110,426 | 99.48% |
| 98 | 0.000642 | 242,850,608 | 33,021,716 | 0 | 208,730,256 | 1,098,637 | 99.54% |
| 62 | 0.002618 | 279,506,348 | 145,837,308 | 0 | 132,638,267 | 1,030,773 | 99.80% |
| 175 | 0.000642 | 321,952,048 | 183,593,012 | 0 | 137,379,290 | 979,746 | 99.87% |
| 231 | 0.000642 | 322,452,330 | 118,636,880 | 0 | 202,572,408 | 1,243,042 | 99.93% |
| 63 | 0.000642 | 490,592,809 | 318,436,140 | 0 | 170,889,962 | 1,266,707 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|
| 120 | 0.000642 | 78,845 | 3,486 | 0 | 31,481 | 43,878 | 0.06% |
| 204 | 0.000642 | 85,288 | 0 | 0 | 44,112 | 41,176 | 0.13% |
| 43 | 0.000642 | 93,364 | 0 | 0 | 37,417 | 55,948 | 0.19% |
| 99 | 0.000642 | 119,483 | 0 | 0 | 55,481 | 64,002 | 0.26% |
| 239 | 0.000642 | 128,346 | 0 | 0 | 81,762 | 46,584 | 0.32% |
| 71 | 0.000642 | 129,148 | 1,992 | 0 | 82,244 | 44,912 | 0.39% |
| 50 | 0.000642 | 132,172 | 0 | 0 | 59,757 | 72,415 | 0.45% |
| 148 | 0.000642 | 140,282 | 0 | 0 | 66,675 | 73,607 | 0.51% |
| 197 | 0.000642 | 144,192 | 0 | 0 | 74,536 | 69,655 | 0.58% |
| 205 | 0.002618 | 149,126 | 7,138 | 0 | 83,528 | 58,460 | 0.84% |
| 64 | 0.000642 | 157,699 | 12,118 | 0 | 74,688 | 70,892 | 0.90% |
| 176 | 0.000642 | 157,803 | 1,494 | 0 | 90,354 | 65,955 | 0.97% |
| 183 | 0.000642 | 160,071 | 0 | 0 | 89,328 | 70,742 | 1.03% |
| 1 | 0.000642 | 179,042 | 12,782 | 0 | 91,620 | 74,640 | 1.10% |
| 29 | 0.000642 | 194,361 | 24,402 | 0 | 85,984 | 83,976 | 1.16% |
| 8 | 0.000642 | 198,542 | 0 | 0 | 101,257 | 97,285 | 1.22% |
| 162 | 0.000642 | 205,691 | 10,956 | 0 | 114,696 | 80,039 | 1.29% |
| 134 | 0.000642 | 207,651 | 0 | 0 | 120,244 | 87,407 | 1.35% |
| 72 | 0.002618 | 229,520 | 8,798 | 0 | 152,941 | 67,781 | 1.62% |
| 22 | 0.000642 | 243,685 | 7,802 | 0 | 140,214 | 95,670 | 1.68% |
| 121 | 0.002618 | 275,320 | 32,536 | 0 | 180,206 | 62,577 | 1.94% |
| 51 | 0.002618 | 318,178 | 30,046 | 0 | 177,908 | 110,223 | 2.20% |
| 177 | 0.002618 | 326,882 | 11,952 | 0 | 213,224 | 101,706 | 2.46% |
| 240 | 0.002618 | 327,950 | 13,612 | 0 | 245,161 | 69,176 | 2.73% |
| 44 | 0.002618 | 348,210 | 22,244 | 0 | 236,896 | 89,070 | 2.99% |
| 85 | 0.000642 | 349,422 | 15,936 | 0 | 221,656 | 111,830 | 3.05% |
| 198 | 0.002618 | 351,103 | 996 | 0 | 246,501 | 103,606 | 3.31% |
| 100 | 0.002618 | 357,839 | 15,770 | 0 | 242,205 | 99,864 | 3.58% |
| 127 | 0.000642 | 358,840 | 10,458 | 0 | 228,701 | 119,681 | 3.64% |
| 65 | 0.002618 | 370,648 | 0 | 0 | 269,846 | 100,802 | 3.90% |
| 106 | 0.000642 | 381,095 | 22,742 | 0 | 282,546 | 75,808 | 3.97% |
| 155 | 0.000642 | 415,608 | 0 | 0 | 295,728 | 119,880 | 4.03% |
| 184 | 0.002618 | 417,286 | 12,118 | 0 | 298,667 | 106,500 | 4.29% |
| 149 | 0.002618 | 439,773 | 15,604 | 0 | 317,720 | 106,450 | 4.55% |
| 190 | 0.000642 | 449,126 | 17,928 | 0 | 276,584 | 154,614 | 4.62% |
| 135 | 0.002618 | 474,319 | 8,466 | 0 | 334,773 | 131,080 | 4.88% |
| 163 | 0.002618 | 474,809 | 7,968 | 0 | 342,294 | 124,547 | 5.14% |
| 122 | 0.006532 | 483,159 | 13,446 | 0 | 380,987 | 88,726 | 5.80% |
| 206 | 0.006532 | 487,532 | 0 | 0 | 402,300 | 85,232 | 6.45% |
| 113 | 0.000642 | 497,828 | 4,980 | 0 | 337,131 | 155,717 | 6.51% |
| 36 | 0.000642 | 515,315 | 35,026 | 0 | 315,022 | 165,267 | 6.58% |
| 30 | 0.002618 | 535,477 | 2,656 | 0 | 418,816 | 114,004 | 6.84% |
| 233 | 0.002618 | 543,580 | 5,976 | 0 | 402,197 | 135,407 | 7.10% |
| 101 | 0.006532 | 550,050 | 0 | 0 | 418,260 | 131,789 | 7.75% |
| 207 | 0.008986 | 575,630 | 5,976 | 0 | 459,120 | 110,534 | 8.65% |
| 232 | 0.000642 | 591,592 | 1,494 | 0 | 503,631 | 86,467 | 8.72% |
| 15 | 0.000642 | 596,632 | 90,304 | 0 | 332,908 | 173,419 | 8.78% |
| 178 | 0.006532 | 600,398 | 0 | 0 | 462,138 | 138,260 | 9.43% |
| 211 | 0.000642 | 605,848 | 35,192 | 0 | 428,190 | 142,466 | 9.50% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 218 | 0.000642 | 615,840 | 77,024 | 0 | 407,498 | 131,318 | 9.56% |
| 52 | 0.006532 | 627,017 | 7,138 | 0 | 466,940 | 152,939 | 10.22% |
| 78 | 0.000642 | 641,567 | 0 | 0 | 517,363 | 124,204 | 10.28% |
| 9 | 0.002618 | 650,225 | 0 | 0 | 503,532 | 146,693 | 10.54% |
| 2 | 0.002618 | 652,317 | 9,130 | 0 | 526,772 | 116,415 | 10.80% |
| 199 | 0.006532 | 658,233 | 3,154 | 0 | 510,114 | 144,965 | 11.46% |
| 241 | 0.006532 | 664,238 | 18,592 | 0 | 535,578 | 110,068 | 12.11% |
| 86 | 0.002618 | 714,595 | 58,432 | 0 | 504,571 | 151,592 | 12.37% |
| 23 | 0.002618 | 782,415 | 68,558 | 0 | 577,924 | 135,933 | 12.63% |
| 73 | 0.006532 | 937,695 | 57,104 | 0 | 784,476 | 96,115 | 13.29% |
| 164 | 0.006532 | 950,367 | 11,288 | 0 | 772,591 | 166,488 | 13.94% |
| 150 | 0.006532 | 954,407 | 11,952 | 0 | 788,772 | 153,683 | 14.59% |
| 234 | 0.006532 | 957,159 | 52,290 | 0 | 724,561 | 180,308 | 15.25% |
| 66 | 0.006532 | 972,138 | 36,354 | 0 | 786,360 | 149,423 | 15.90% |
| 156 | 0.002618 | 982,406 | 42,330 | 0 | 780,698 | 159,378 | 16.16% |
| 185 | 0.006532 | 1,005,407 | 29,714 | 0 | 835,702 | 139,991 | 16.81% |
| 10 | 0.006532 | 1,039,535 | 5,146 | 0 | 855,031 | 179,359 | 17.47% |
| 136 | 0.006532 | 1,061,573 | 36,022 | 0 | 842,931 | 182,620 | 18.12% |
| 74 | 0.008986 | 1,094,372 | 7,636 | 0 | 953,154 | 133,582 | 19.02% |
| 141 | 0.000642 | 1,097,203 | 128,650 | 0 | 747,322 | 221,231 | 19.08% |
| 16 | 0.002618 | 1,144,422 | 86,652 | 0 | 804,901 | 252,869 | 19.35% |
| 123 | 0.008986 | 1,184,669 | 64,740 | 0 | 1,002,588 | 117,341 | 20.24% |
| 107 | 0.002618 | 1,197,727 | 79,182 | 0 | 1,005,550 | 112,994 | 20.51% |
| 219 | 0.002618 | 1,199,381 | 75,364 | 0 | 938,038 | 185,979 | 20.77% |
| 3 | 0.006532 | 1,224,835 | 51,460 | 0 | 1,018,699 | 154,676 | 21.42% |
| 128 | 0.002618 | 1,242,881 | 67,396 | 0 | 1,001,104 | 174,381 | 21.68% |
| 92 | 0.000642 | 1,325,249 | 209,326 | 0 | 903,686 | 212,237 | 21.75% |
| 191 | 0.002618 | 1,354,365 | 89,308 | 0 | 1,027,386 | 237,671 | 22.01% |
| 114 | 0.002618 | 1,407,994 | 43,492 | 0 | 1,139,916 | 224,586 | 22.27% |
| 179 | 0.008986 | 1,410,021 | 30,046 | 0 | 1,203,457 | 176,518 | 23.17% |
| 53 | 0.008986 | 1,432,672 | 14,276 | 0 | 1,210,443 | 207,953 | 24.07% |
| 242 | 0.008986 | 1,465,261 | 155,708 | 0 | 1,165,157 | 144,397 | 24.97% |
| 31 | 0.006532 | 1,474,018 | 41,832 | 0 | 1,255,688 | 176,498 | 25.62% |
| 212 | 0.002618 | 1,486,359 | 77,854 | 0 | 1,198,406 | 210,098 | 25.88% |
| 79 | 0.002618 | 1,602,151 | 91,466 | 0 | 1,325,831 | 184,854 | 26.14% |
| 102 | 0.008986 | 1,709,894 | 39,508 | 0 | 1,466,900 | 203,486 | 27.04% |
| 46 | 0.008986 | 1,777,700 | 66,400 | 0 | 1,536,691 | 174,610 | 27.94% |
| 208 | 0.006532 | 1,781,860 | 69,886 | 0 | 1,552,802 | 159,171 | 28.59% |
| 24 | 0.006532 | 1,897,125 | 117,860 | 0 | 1,580,157 | 199,108 | 29.25% |
| 151 | 0.008986 | 1,961,114 | 20,086 | 0 | 1,729,059 | 211,968 | 30.14% |
| 142 | 0.002618 | 1,975,900 | 91,300 | 0 | 1,571,463 | 313,137 | 30.41% |
| 157 | 0.006532 | 2,105,330 | 127,488 | 0 | 1,745,509 | 232,333 | 31.06% |
| 87 | 0.006532 | 2,126,850 | 55,942 | 0 | 1,857,046 | 213,862 | 31.71% |
| 225 | 0.000642 | 2,134,834 | 340,632 | 0 | 1,520,934 | 273,267 | 31.78% |
| 67 | 0.008986 | 2,143,785 | 77,356 | 0 | 1,872,927 | 193,502 | 32.68% |
| 169 | 0.000642 | 2,245,953 | 241,198 | 0 | 1,795,325 | 209,430 | 32.74% |
| 45 | 0.006532 | 2,307,842 | 45,152 | 0 | 2,137,169 | 125,521 | 33.39% |
| 37 | 0.002618 | 2,324,429 | 196,544 | 0 | 1,870,264 | 257,621 | 33.66% |
| 17 | 0.006532 | 2,394,733 | 155,376 | 0 | 1,896,445 | 342,912 | 34.31% |
| 108 | 0.006532 | 2,487,006 | 248,502 | 0 | 2,089,357 | 149,147 | 34.96% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 165 | 0.008986 | 2,511,498 | 39,176 | 0 | 2,239,041 | 233,281 | 35.86% |
| 200 | 0.008986 | 2,519,967 | 53,452 | 0 | 2,261,889 | 204,626 | 36.76% |
| 11 | 0.008986 | 2,648,588 | 2,158 | 0 | 2,399,714 | 246,716 | 37.66% |
| 186 | 0.008986 | 2,714,739 | 52,290 | 0 | 2,452,756 | 209,694 | 38.56% |
| 124 | 0.006532 | 2,752,371 | 206,670 | 0 | 2,392,165 | 153,537 | 39.21% |
| 57 | 0.000642 | 2,814,994 | 320,712 | 0 | 2,195,725 | 298,557 | 39.27% |
| 137 | 0.008986 | 2,854,613 | 119,022 | 0 | 2,485,400 | 250,191 | 40.17% |
| 4 | 0.008986 | 2,908,300 | 43,160 | 0 | 2,640,159 | 224,981 | 41.07% |
| 93 | 0.002618 | 2,921,319 | 237,878 | 0 | 2,382,027 | 301,414 | 41.33% |
| 75 | 0.006532 | 2,926,894 | 29,548 | 0 | 2,701,035 | 196,311 | 41.99% |
| 243 | 0.006532 | 2,943,957 | 402,218 | 0 | 2,342,665 | 199,074 | 42.64% |
| 129 | 0.006532 | 3,034,930 | 128,816 | 0 | 2,652,770 | 253,344 | 43.29% |
| 80 | 0.006532 | 3,063,069 | 67,728 | 0 | 2,750,041 | 245,300 | 43.95% |
| 32 | 0.008986 | 3,068,016 | 23,572 | 0 | 2,808,597 | 235,847 | 44.84% |
| 220 | 0.006532 | 3,396,670 | 200,694 | 0 | 2,937,317 | 258,659 | 45.50% |
| 38 | 0.006532 | 3,605,986 | 143,258 | 0 | 3,127,676 | 335,052 | 46.15% |
| 115 | 0.006532 | 3,641,805 | 91,964 | 0 | 3,251,459 | 298,382 | 46.80% |
| 25 | 0.008986 | 4,212,735 | 247,672 | 0 | 3,695,333 | 269,730 | 47.70% |
| 235 | 0.008986 | 4,285,318 | 37,682 | 0 | 3,989,429 | 258,207 | 48.60% |
| 213 | 0.006532 | 4,447,943 | 192,892 | 0 | 3,958,506 | 296,545 | 49.25% |
| 192 | 0.006532 | 4,496,601 | 248,336 | 0 | 3,923,637 | 324,628 | 49.91% |
| 33 | 0.006532 | 4,502,139 | 17,928 | 0 | 4,175,924 | 308,288 | 50.56% |
| 54 | 0.006532 | 4,524,595 | 310,420 | 0 | 3,911,809 | 302,366 | 51.21% |
| 226 | 0.002618 | 4,651,669 | 424,960 | 0 | 3,838,336 | 388,372 | 51.48% |
| 209 | 0.002618 | 4,700,963 | 562,906 | 0 | 3,922,455 | 215,602 | 51.74% |
| 47 | 0.006532 | 4,765,970 | 158,862 | 0 | 4,366,525 | 240,582 | 52.39% |
| 143 | 0.006532 | 4,783,396 | 285,022 | 0 | 4,091,302 | 407,072 | 53.04% |
| 180 | 0.006532 | 4,789,034 | 151,890 | 0 | 4,382,116 | 255,027 | 53.70% |
| 130 | 0.008986 | 5,171,039 | 174,964 | 0 | 4,681,732 | 314,343 | 54.60% |
| 88 | 0.008986 | 5,324,071 | 100,762 | 0 | 4,910,654 | 312,655 | 55.49% |
| 170 | 0.002618 | 5,409,952 | 702,014 | 0 | 4,422,092 | 285,846 | 55.76% |
| 166 | 0.006532 | 5,467,796 | 62,416 | 0 | 5,086,659 | 318,721 | 56.41% |
| 152 | 0.006532 | 5,507,876 | 76,526 | 0 | 5,147,376 | 283,974 | 57.06% |
| 187 | 0.006532 | 5,520,024 | 52,622 | 0 | 5,180,646 | 286,756 | 57.72% |
| 76 | 0.002618 | 5,537,814 | 99,102 | 0 | 5,181,725 | 256,987 | 57.98% |
| 103 | 0.006532 | 5,639,870 | 75,198 | 0 | 5,287,590 | 277,081 | 58.63% |
| 12 | 0.006532 | 5,652,480 | 30,212 | 0 | 5,300,254 | 322,014 | 59.28% |
| 236 | 0.006532 | 5,675,524 | 85,158 | 0 | 5,248,815 | 341,551 | 59.94% |
| 125 | 0.002618 | 6,037,236 | 585,648 | 0 | 5,229,607 | 221,981 | 60.20% |
| 221 | 0.008986 | 6,109,713 | 54,614 | 0 | 5,711,797 | 343,302 | 61.10% |
| 158 | 0.008986 | 6,249,861 | 128,484 | 0 | 5,808,278 | 313,100 | 62.00% |
| 5 | 0.006532 | 6,334,255 | 171,146 | 0 | 5,869,923 | 293,186 | 62.65% |
| 18 | 0.008986 | 6,453,923 | 511,446 | 0 | 5,471,389 | 471,089 | 63.55% |
| 109 | 0.008986 | 6,561,552 | 306,270 | 0 | 6,045,810 | 209,472 | 64.45% |
| 68 | 0.006532 | 6,564,546 | 315,234 | 0 | 5,986,522 | 262,790 | 65.10% |
| 201 | 0.006532 | 6,657,834 | 231,736 | 0 | 6,137,853 | 288,246 | 65.75% |
| 58 | 0.002618 | 6,809,314 | 711,642 | 0 | 5,694,595 | 403,077 | 66.01% |
| 138 | 0.006532 | 7,635,418 | 385,784 | 0 | 6,908,931 | 340,703 | 66.67% |
| 193 | 0.008986 | 8,448,155 | 279,544 | 0 | 7,749,545 | 419,066 | 67.57% |
| 81 | 0.008986 | 8,645,347 | 57,602 | 0 | 8,251,368 | 336,376 | 68.46% |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-------------|-----------|---------------|----------|
| 48 | 0.002618 | 9,010,967 | 713,136 | 0 | 7,966,658 | 331,173 | 68.73% | |
| 181 | 0.002618 | 9,160,957 | 500,822 | 0 | 8,305,794 | 354,341 | 68.99% | |
| 39 | 0.008986 | 9,431,478 | 440,730 | 0 | 8,552,698 | 438,050 | 69.89% | |
| 104 | 0.002618 | 9,451,088 | 93,624 | 0 | 8,970,140 | 387,325 | 70.15% | |
| 244 | 0.002618 | 9,591,932 | 1,205,990 | 0 | 8,110,768 | 275,174 | 70.41% | |
| 26 | 0.006532 | 9,728,389 | 595,442 | 0 | 8,761,717 | 371,230 | 71.06% | |
| 55 | 0.002618 | 9,817,341 | 1,707,144 | 0 | 7,712,513 | 397,684 | 71.33% | |
| 227 | 0.006532 | 9,949,830 | 735,214 | 0 | 8,727,573 | 487,043 | 71.98% | |
| 153 | 0.002618 | 9,967,485 | 141,266 | 0 | 9,447,290 | 378,929 | 72.24% | |
| 116 | 0.008986 | 10,039,245 | 236,550 | 0 | 9,408,051 | 394,644 | 73.14% | |
| 202 | 0.002618 | 10,173,927 | 720,440 | 0 | 9,076,901 | 376,586 | 73.40% | |
| 34 | 0.002618 | 10,566,738 | 92,628 | 0 | 10,059,502 | 414,608 | 73.66% | |
| 94 | 0.006532 | 11,060,111 | 988,032 | 0 | 9,638,134 | 433,945 | 74.32% | |
| 214 | 0.008986 | 11,063,008 | 548,132 | 0 | 10,145,885 | 368,990 | 75.21% | |
| 89 | 0.006532 | 11,566,718 | 174,632 | 0 | 10,969,140 | 422,946 | 75.87% | |
| 159 | 0.006532 | 11,632,627 | 238,210 | 0 | 10,995,101 | 399,316 | 76.52% | |
| 210 | 0.000642 | 11,727,739 | 1,637,922 | 0 | 9,784,632 | 305,185 | 76.58% | |
| 144 | 0.008986 | 12,042,674 | 747,332 | 0 | 10,757,665 | 537,677 | 77.48% | |
| 6 | 0.002618 | 12,117,365 | 174,798 | 0 | 11,542,993 | 399,574 | 77.75% | |
| 13 | 0.002618 | 12,163,495 | 114,540 | 0 | 11,634,409 | 414,546 | 78.01% | |
| 171 | 0.006532 | 12,331,759 | 2,362,678 | 0 | 9,583,931 | 385,150 | 78.66% | |
| 131 | 0.006532 | 14,169,827 | 403,712 | 0 | 13,323,831 | 442,285 | 79.31% | |
| 188 | 0.002618 | 14,246,206 | 223,270 | 0 | 13,652,268 | 370,668 | 79.58% | |
| 110 | 0.006532 | 14,305,575 | 1,266,414 | 0 | 12,764,536 | 274,625 | 80.23% | |
| 77 | 0.000642 | 14,327,394 | 74,700 | 0 | 13,883,992 | 368,702 | 80.29% | |
| 237 | 0.002618 | 14,959,568 | 149,566 | 0 | 14,357,378 | 452,624 | 80.55% | |
| 167 | 0.002618 | 15,319,991 | 176,956 | 0 | 14,701,486 | 441,549 | 80.82% | |
| 69 | 0.002618 | 16,277,873 | 874,654 | 0 | 15,047,157 | 356,062 | 81.08% | |
| 139 | 0.002618 | 16,787,711 | 1,587,956 | 0 | 14,727,894 | 471,861 | 81.34% | |
| 222 | 0.006532 | 17,187,596 | 417,822 | 0 | 16,328,976 | 440,798 | 81.99% | |
| 59 | 0.006532 | 17,453,159 | 3,581,118 | 0 | 13,348,795 | 523,246 | 82.65% | |
| 126 | 0.000642 | 17,727,604 | 3,193,010 | 0 | 14,239,044 | 295,550 | 82.71% | |
| 19 | 0.006532 | 18,249,108 | 2,830,798 | 0 | 14,787,871 | 630,439 | 83.36% | |
| 245 | 0.000642 | 19,615,568 | 5,865,776 | 0 | 13,373,381 | 376,410 | 83.43% | |
| 95 | 0.008986 | 20,389,452 | 1,124,650 | 0 | 18,716,849 | 547,953 | 84.33% | |
| 82 | 0.006532 | 20,936,357 | 65,238 | 0 | 20,439,539 | 431,580 | 84.98% | |
| 117 | 0.006532 | 20,980,984 | 164,672 | 0 | 20,307,722 | 508,591 | 85.63% | |
| 90 | 0.002618 | 21,004,573 | 405,206 | 0 | 20,073,722 | 525,646 | 85.89% | |
| 27 | 0.002618 | 21,473,236 | 2,877,610 | 0 | 18,103,926 | 491,700 | 86.16% | |
| 215 | 0.006532 | 21,482,662 | 1,323,518 | 0 | 19,654,582 | 504,562 | 86.81% | |
| 194 | 0.006532 | 21,523,592 | 658,024 | 0 | 20,289,527 | 576,041 | 87.46% | |
| 49 | 0.000642 | 22,814,336 | 2,317,526 | 0 | 20,037,723 | 459,087 | 87.53% | |
| 228 | 0.008986 | 23,683,714 | 3,606,848 | 0 | 19,439,179 | 637,687 | 88.43% | |
| 40 | 0.006532 | 23,865,261 | 1,634,602 | 0 | 21,652,110 | 578,549 | 89.08% | |
| 154 | 0.000642 | 25,320,619 | 408,360 | 0 | 24,402,441 | 509,818 | 89.14% | |
| 35 | 0.000642 | 25,331,214 | 645,408 | 0 | 24,110,533 | 575,273 | 89.21% | |
| 203 | 0.000642 | 25,487,991 | 3,392,376 | 0 | 21,589,082 | 506,533 | 89.27% | |
| 160 | 0.002618 | 26,355,558 | 624,658 | 0 | 25,202,281 | 528,619 | 89.53% | |
| 56 | 0.000642 | 26,442,670 | 7,963,020 | 0 | 17,952,961 | 526,689 | 89.60% | |
| 14 | 0.000642 | 27,108,071 | 515,762 | 0 | 26,053,973 | 538,336 | 89.66% | |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 105 | 0.000642 | 27,584,853 | 420,976 | 0 | 26,638,254 | 525,622 | 89.73% |
| 145 | 0.006532 | 27,788,379 | 2,172,774 | 0 | 24,927,238 | 688,367 | 90.38% |
| 189 | 0.000642 | 27,823,143 | 361,714 | 0 | 26,942,572 | 518,857 | 90.44% |
| 182 | 0.000642 | 28,196,184 | 1,518,402 | 0 | 26,180,235 | 497,547 | 90.51% |
| 172 | 0.008986 | 28,746,273 | 7,620,562 | 0 | 20,632,446 | 493,265 | 91.41% |
| 168 | 0.000642 | 29,049,187 | 301,788 | 0 | 28,167,601 | 579,798 | 91.47% |
| 238 | 0.000642 | 29,981,313 | 327,850 | 0 | 29,052,506 | 600,957 | 91.53% |
| 7 | 0.000642 | 31,293,742 | 202,354 | 0 | 30,546,654 | 544,734 | 91.60% |
| 70 | 0.000642 | 31,597,418 | 3,265,718 | 0 | 27,837,166 | 494,534 | 91.66% |
| 132 | 0.002618 | 34,528,595 | 1,798,610 | 0 | 32,144,568 | 585,417 | 91.92% |
| 111 | 0.002618 | 34,528,889 | 5,254,730 | 0 | 28,938,388 | 335,771 | 92.19% |
| 83 | 0.002618 | 35,030,807 | 160,190 | 0 | 34,306,844 | 563,773 | 92.45% |
| 223 | 0.002618 | 35,479,381 | 1,432,082 | 0 | 33,472,204 | 575,096 | 92.71% |
| 96 | 0.006532 | 35,942,671 | 2,226,890 | 0 | 33,017,974 | 697,807 | 93.36% |
| 118 | 0.002618 | 36,554,949 | 628,144 | 0 | 35,289,931 | 636,874 | 93.63% |
| 195 | 0.002618 | 41,583,564 | 1,234,376 | 0 | 39,605,287 | 743,901 | 93.89% |
| 140 | 0.000642 | 41,840,376 | 6,299,036 | 0 | 34,898,629 | 642,711 | 93.95% |
| 20 | 0.002618 | 42,648,024 | 10,110,728 | 0 | 31,703,981 | 833,314 | 94.21% |
| 28 | 0.000642 | 42,879,526 | 7,976,134 | 0 | 34,236,329 | 667,064 | 94.28% |
| 216 | 0.002618 | 43,172,155 | 4,496,774 | 0 | 38,023,705 | 651,675 | 94.54% |
| 60 | 0.008986 | 47,683,178 | 14,035,466 | 0 | 32,974,429 | 673,283 | 95.44% |
| 91 | 0.000642 | 51,250,545 | 1,175,612 | 0 | 49,359,176 | 715,757 | 95.50% |
| 41 | 0.002618 | 52,087,093 | 4,605,338 | 0 | 46,730,452 | 751,304 | 95.76% |
| 229 | 0.006532 | 53,116,836 | 8,572,074 | 0 | 43,744,245 | 800,517 | 96.42% |
| 161 | 0.000642 | 57,107,203 | 2,237,680 | 0 | 54,178,827 | 690,696 | 96.48% |
| 146 | 0.002618 | 57,158,421 | 6,383,198 | 0 | 49,886,666 | 888,558 | 96.74% |
| 173 | 0.006532 | 60,473,246 | 19,889,622 | 0 | 39,949,342 | 634,282 | 97.40% |
| 112 | 0.000642 | 67,307,480 | 15,728,500 | 0 | 51,135,142 | 443,838 | 97.46% |
| 133 | 0.000642 | 72,673,198 | 5,593,868 | 0 | 66,283,757 | 795,573 | 97.52% |
| 224 | 0.000642 | 72,990,726 | 4,562,510 | 0 | 67,678,210 | 750,006 | 97.59% |
| 84 | 0.000642 | 76,098,149 | 326,190 | 0 | 75,020,043 | 751,916 | 97.65% |
| 119 | 0.000642 | 87,546,665 | 3,576,802 | 0 | 83,128,505 | 841,358 | 97.72% |
| 217 | 0.000642 | 90,826,769 | 12,800,260 | 0 | 77,163,087 | 863,422 | 97.78% |
| 196 | 0.000642 | 93,961,620 | 4,443,488 | 0 | 88,546,639 | 971,493 | 97.85% |
| 97 | 0.002618 | 96,701,006 | 8,653,248 | 0 | 87,158,548 | 889,209 | 98.11% |
| 230 | 0.002618 | 106,604,721 | 26,527,630 | 0 | 79,088,108 | 988,983 | 98.37% |
| 42 | 0.000642 | 106,648,580 | 13,307,224 | 0 | 92,370,460 | 970,896 | 98.43% |
| 61 | 0.006532 | 107,737,358 | 41,288,848 | 0 | 65,609,040 | 839,470 | 99.09% |
| 21 | 0.000642 | 109,399,229 | 42,426,944 | 0 | 65,864,827 | 1,107,458 | 99.15% |
| 147 | 0.000642 | 127,260,962 | 23,646,866 | 0 | 102,490,436 | 1,123,660 | 99.21% |
| 174 | 0.002618 | 127,293,353 | 61,200,216 | 0 | 65,313,884 | 779,253 | 99.48% |
| 98 | 0.000642 | 195,284,939 | 26,983,798 | 0 | 167,160,072 | 1,141,069 | 99.54% |
| 62 | 0.002618 | 216,625,545 | 123,780,224 | 0 | 91,818,406 | 1,026,915 | 99.80% |
| 231 | 0.000642 | 264,405,652 | 106,551,250 | 0 | 156,597,755 | 1,256,647 | 99.87% |
| 175 | 0.000642 | 268,331,868 | 160,255,404 | 0 | 107,086,708 | 989,756 | 99.93% |
| 63 | 0.000642 | 433,036,794 | 292,814,704 | 0 | 138,929,122 | 1,292,968 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|-------|
| 204 | 0.000642 | 60,241 | | 0 | 0 | 20,344 | 39,898 | 0.06% |
| 120 | 0.000642 | 72,077 | 7,968 | 0 | 0 | 22,094 | 42,015 | 0.13% |
| 239 | 0.000642 | 75,532 | 0 | 0 | 0 | 26,265 | 49,268 | 0.19% |
| 71 | 0.000642 | 82,488 | 0 | 0 | 0 | 35,783 | 46,705 | 0.26% |
| 99 | 0.000642 | 93,706 | 0 | 0 | 0 | 31,948 | 61,758 | 0.32% |
| 205 | 0.002618 | 98,696 | 0 | 0 | 0 | 40,001 | 58,695 | 0.58% |
| 176 | 0.000642 | 104,128 | 0 | 0 | 0 | 32,057 | 72,071 | 0.65% |
| 43 | 0.000642 | 109,574 | 0 | 0 | 0 | 50,449 | 59,125 | 0.71% |
| 1 | 0.000642 | 122,233 | 0 | 0 | 0 | 46,999 | 75,235 | 0.78% |
| 197 | 0.000642 | 132,501 | 0 | 0 | 0 | 61,311 | 71,190 | 0.84% |
| 162 | 0.000642 | 140,677 | 0 | 0 | 0 | 59,180 | 81,497 | 0.90% |
| 183 | 0.000642 | 145,484 | 7,470 | 0 | 0 | 65,220 | 72,795 | 0.97% |
| 50 | 0.000642 | 145,520 | 0 | 0 | 0 | 57,905 | 87,616 | 1.03% |
| 64 | 0.000642 | 173,008 | 13,114 | 0 | 0 | 88,236 | 71,658 | 1.10% |
| 240 | 0.002618 | 178,228 | 0 | 0 | 0 | 101,202 | 77,026 | 1.36% |
| 134 | 0.000642 | 179,309 | 830 | 0 | 0 | 86,256 | 92,224 | 1.42% |
| 232 | 0.000642 | 181,342 | 5,146 | 0 | 0 | 83,436 | 92,760 | 1.49% |
| 29 | 0.000642 | 190,853 | 3,652 | 0 | 0 | 102,443 | 84,758 | 1.55% |
| 127 | 0.000642 | 205,462 | 0 | 0 | 0 | 86,895 | 118,568 | 1.62% |
| 198 | 0.002618 | 218,881 | 0 | 0 | 0 | 112,169 | 106,711 | 1.88% |
| 22 | 0.000642 | 222,973 | 15,106 | 0 | 0 | 111,900 | 95,967 | 1.94% |
| 85 | 0.000642 | 226,152 | 996 | 0 | 0 | 109,445 | 115,711 | 2.01% |
| 106 | 0.000642 | 228,487 | 12,450 | 0 | 0 | 138,411 | 77,626 | 2.07% |
| 148 | 0.000642 | 231,459 | 0 | 0 | 0 | 151,016 | 80,443 | 2.13% |
| 121 | 0.002618 | 242,174 | 10,458 | 0 | 0 | 161,751 | 69,964 | 2.40% |
| 206 | 0.006532 | 243,497 | 0 | 0 | 0 | 162,269 | 81,228 | 3.05% |
| 8 | 0.000642 | 245,357 | 0 | 0 | 0 | 145,940 | 99,417 | 3.11% |
| 44 | 0.002618 | 249,080 | 14,608 | 0 | 0 | 146,660 | 87,811 | 3.37% |
| 51 | 0.002618 | 271,407 | 0 | 0 | 0 | 148,794 | 122,613 | 3.64% |
| 218 | 0.000642 | 284,603 | 19,588 | 0 | 0 | 143,078 | 121,937 | 3.70% |
| 72 | 0.002618 | 301,086 | 19,422 | 0 | 0 | 210,442 | 71,222 | 3.96% |
| 15 | 0.000642 | 324,387 | 19,754 | 0 | 0 | 135,675 | 168,958 | 4.03% |
| 135 | 0.002618 | 340,935 | 9,628 | 0 | 0 | 197,778 | 133,530 | 4.29% |
| 233 | 0.002618 | 351,760 | 0 | 0 | 0 | 216,387 | 135,373 | 4.55% |
| 177 | 0.002618 | 358,273 | 16,268 | 0 | 0 | 239,074 | 102,931 | 4.81% |
| 2 | 0.002618 | 380,164 | 28,054 | 0 | 0 | 238,518 | 113,591 | 5.07% |
| 163 | 0.002618 | 381,012 | 0 | 0 | 0 | 257,779 | 123,233 | 5.34% |
| 30 | 0.002618 | 383,492 | 7,968 | 0 | 0 | 254,366 | 121,158 | 5.60% |
| 122 | 0.006532 | 396,476 | 19,588 | 0 | 0 | 284,656 | 92,231 | 6.25% |
| 100 | 0.002618 | 408,939 | 3,652 | 0 | 0 | 298,451 | 106,836 | 6.51% |
| 149 | 0.002618 | 431,468 | 36,686 | 0 | 0 | 286,211 | 108,571 | 6.77% |
| 23 | 0.002618 | 452,687 | 11,288 | 0 | 0 | 300,595 | 140,804 | 7.04% |
| 241 | 0.006532 | 453,355 | 14,442 | 0 | 0 | 332,346 | 106,567 | 7.69% |
| 190 | 0.000642 | 465,366 | 33,532 | 0 | 0 | 274,063 | 157,772 | 7.75% |
| 211 | 0.000642 | 467,251 | 30,046 | 0 | 0 | 292,205 | 144,999 | 7.82% |
| 78 | 0.000642 | 469,780 | 23,240 | 0 | 0 | 313,176 | 133,365 | 7.88% |
| 65 | 0.002618 | 471,877 | 6,806 | 0 | 0 | 357,403 | 107,668 | 8.14% |
| 199 | 0.006532 | 508,648 | 11,288 | 0 | 0 | 346,954 | 150,406 | 8.80% |
| 113 | 0.000642 | 509,243 | 0 | 0 | 0 | 347,721 | 161,521 | 8.86% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 45 | 0.006532 | 516,594 | 12,782 | 0 | 371,537 | 132,276 | 9.51% |
| 86 | 0.002618 | 525,302 | 20,750 | 0 | 343,865 | 160,687 | 9.78% |
| 9 | 0.002618 | 537,548 | 0 | 0 | 385,420 | 152,128 | 10.04% |
| 155 | 0.000642 | 539,808 | 1,660 | 0 | 408,082 | 130,066 | 10.10% |
| 66 | 0.006532 | 582,234 | 41,168 | 0 | 389,326 | 151,739 | 10.76% |
| 52 | 0.006532 | 593,526 | 0 | 0 | 426,733 | 166,793 | 11.41% |
| 184 | 0.002618 | 596,562 | 5,976 | 0 | 485,297 | 105,290 | 11.67% |
| 101 | 0.006532 | 598,707 | 498 | 0 | 453,970 | 144,239 | 12.32% |
| 150 | 0.006532 | 599,331 | 14,774 | 0 | 430,264 | 154,293 | 12.98% |
| 207 | 0.008986 | 613,492 | 22,908 | 0 | 470,337 | 120,247 | 13.88% |
| 107 | 0.002618 | 636,098 | 25,398 | 0 | 498,779 | 111,921 | 14.14% |
| 31 | 0.006532 | 650,695 | 37,682 | 0 | 441,579 | 171,434 | 14.79% |
| 156 | 0.002618 | 652,391 | 15,770 | 0 | 472,469 | 164,152 | 15.05% |
| 164 | 0.006532 | 666,423 | 5,478 | 0 | 491,786 | 169,159 | 15.71% |
| 123 | 0.008986 | 675,575 | 34,030 | 0 | 522,280 | 119,265 | 16.60% |
| 185 | 0.006532 | 716,629 | 7,304 | 0 | 561,023 | 148,302 | 17.26% |
| 10 | 0.006532 | 717,942 | 10,458 | 0 | 516,675 | 190,808 | 17.91% |
| 234 | 0.006532 | 724,759 | 332 | 0 | 535,420 | 189,006 | 18.56% |
| 128 | 0.002618 | 762,308 | 43,492 | 0 | 543,781 | 175,035 | 18.83% |
| 141 | 0.000642 | 787,080 | 121,180 | 0 | 454,217 | 211,683 | 18.89% |
| 136 | 0.006532 | 789,080 | 49,468 | 0 | 556,910 | 182,702 | 19.54% |
| 219 | 0.002618 | 840,234 | 10,956 | 0 | 643,384 | 185,894 | 19.80% |
| 191 | 0.002618 | 859,437 | 14,940 | 0 | 615,906 | 228,591 | 20.07% |
| 73 | 0.006532 | 863,950 | 64,740 | 0 | 704,270 | 94,940 | 20.72% |
| 3 | 0.006532 | 871,839 | 25,398 | 0 | 679,852 | 166,589 | 21.37% |
| 242 | 0.008986 | 922,649 | 43,658 | 0 | 729,643 | 149,348 | 22.27% |
| 74 | 0.008986 | 930,932 | 39,508 | 0 | 755,731 | 135,693 | 23.17% |
| 36 | 0.000642 | 973,098 | 151,060 | 0 | 660,347 | 161,691 | 23.23% |
| 179 | 0.008986 | 979,196 | 28,552 | 0 | 760,943 | 189,701 | 24.13% |
| 37 | 0.002618 | 994,459 | 30,046 | 0 | 722,140 | 242,274 | 24.39% |
| 16 | 0.002618 | 1,072,694 | 78,850 | 0 | 737,602 | 256,243 | 24.66% |
| 212 | 0.002618 | 1,074,153 | 64,574 | 0 | 801,322 | 208,256 | 24.92% |
| 225 | 0.000642 | 1,085,127 | 120,018 | 0 | 693,086 | 272,023 | 24.98% |
| 169 | 0.000642 | 1,107,122 | 122,176 | 0 | 779,884 | 205,062 | 25.05% |
| 46 | 0.008986 | 1,164,439 | 16,102 | 0 | 974,193 | 174,144 | 25.95% |
| 32 | 0.008986 | 1,182,596 | 2,988 | 0 | 957,266 | 222,342 | 26.84% |
| 114 | 0.002618 | 1,240,992 | 32,702 | 0 | 977,955 | 230,335 | 27.11% |
| 24 | 0.006532 | 1,254,385 | 70,550 | 0 | 989,315 | 194,520 | 27.76% |
| 208 | 0.006532 | 1,330,798 | 71,878 | 0 | 1,098,923 | 159,997 | 28.41% |
| 108 | 0.006532 | 1,404,136 | 68,392 | 0 | 1,181,818 | 153,926 | 29.07% |
| 79 | 0.002618 | 1,481,778 | 14,276 | 0 | 1,281,931 | 185,571 | 29.33% |
| 178 | 0.006532 | 1,496,210 | 61,420 | 0 | 1,284,007 | 150,783 | 29.98% |
| 11 | 0.008986 | 1,516,099 | 0 | 0 | 1,273,973 | 242,127 | 30.88% |
| 200 | 0.008986 | 1,532,078 | 47,808 | 0 | 1,277,166 | 207,104 | 31.78% |
| 53 | 0.008986 | 1,538,517 | 21,082 | 0 | 1,286,948 | 230,487 | 32.68% |
| 151 | 0.008986 | 1,551,564 | 3,652 | 0 | 1,332,468 | 215,444 | 33.57% |
| 157 | 0.006532 | 1,577,719 | 110,224 | 0 | 1,238,368 | 229,127 | 34.23% |
| 17 | 0.006532 | 1,739,610 | 101,260 | 0 | 1,299,348 | 339,002 | 34.88% |
| 102 | 0.008986 | 1,763,608 | 49,136 | 0 | 1,507,555 | 206,916 | 35.78% |
| 124 | 0.006532 | 1,844,846 | 83,166 | 0 | 1,594,936 | 166,745 | 36.43% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 129 | 0.006532 | 1,890,846 | 148,072 | 0 | 1,498,406 | 244,368 | 37.09% |
| 92 | 0.000642 | 1,938,770 | 192,394 | 0 | 1,534,447 | 211,929 | 37.15% |
| 87 | 0.006532 | 2,064,576 | 108,564 | 0 | 1,726,900 | 229,112 | 37.80% |
| 4 | 0.008986 | 2,109,440 | 51,958 | 0 | 1,839,788 | 217,694 | 38.70% |
| 67 | 0.008986 | 2,154,442 | 37,018 | 0 | 1,919,671 | 197,753 | 39.60% |
| 220 | 0.006532 | 2,168,754 | 213,642 | 0 | 1,715,951 | 239,161 | 40.25% |
| 192 | 0.006532 | 2,175,454 | 105,078 | 0 | 1,751,957 | 318,419 | 40.91% |
| 186 | 0.008986 | 2,183,240 | 25,066 | 0 | 1,952,500 | 205,674 | 41.81% |
| 137 | 0.008986 | 2,265,134 | 65,736 | 0 | 1,945,496 | 253,902 | 42.70% |
| 243 | 0.006532 | 2,395,417 | 324,198 | 0 | 1,870,666 | 200,554 | 43.36% |
| 235 | 0.008986 | 2,580,908 | 60,424 | 0 | 2,259,206 | 261,278 | 44.26% |
| 25 | 0.008986 | 2,676,498 | 57,768 | 0 | 2,342,958 | 275,773 | 45.15% |
| 93 | 0.002618 | 2,678,023 | 178,118 | 0 | 2,198,378 | 301,527 | 45.42% |
| 80 | 0.006532 | 2,732,319 | 0 | 0 | 2,483,823 | 248,495 | 46.07% |
| 75 | 0.006532 | 2,760,363 | 138,444 | 0 | 2,423,838 | 198,081 | 46.72% |
| 165 | 0.008986 | 2,835,343 | 118,026 | 0 | 2,482,482 | 234,836 | 47.62% |
| 142 | 0.002618 | 2,913,111 | 242,858 | 0 | 2,367,035 | 303,219 | 47.88% |
| 213 | 0.006532 | 2,989,089 | 156,704 | 0 | 2,552,681 | 279,704 | 48.54% |
| 209 | 0.002618 | 3,021,698 | 333,494 | 0 | 2,462,058 | 226,145 | 48.80% |
| 57 | 0.000642 | 3,079,901 | 596,106 | 0 | 2,178,269 | 305,526 | 48.86% |
| 38 | 0.006532 | 3,172,801 | 161,518 | 0 | 2,673,814 | 337,469 | 49.52% |
| 54 | 0.006532 | 3,176,514 | 147,076 | 0 | 2,719,157 | 310,280 | 50.17% |
| 180 | 0.006532 | 3,180,589 | 27,888 | 0 | 2,878,326 | 274,375 | 50.82% |
| 33 | 0.006532 | 3,261,967 | 2,324 | 0 | 2,962,301 | 297,342 | 51.48% |
| 68 | 0.006532 | 3,281,126 | 158,530 | 0 | 2,860,578 | 262,019 | 52.13% |
| 130 | 0.008986 | 3,484,191 | 65,404 | 0 | 3,091,684 | 327,103 | 53.03% |
| 201 | 0.006532 | 3,545,796 | 151,392 | 0 | 3,118,440 | 275,964 | 53.68% |
| 115 | 0.006532 | 3,564,747 | 20,750 | 0 | 3,248,534 | 295,463 | 54.33% |
| 152 | 0.006532 | 3,680,526 | 24,900 | 0 | 3,370,734 | 284,892 | 54.99% |
| 103 | 0.006532 | 3,684,279 | 77,522 | 0 | 3,334,579 | 272,178 | 55.64% |
| 47 | 0.006532 | 3,857,672 | 255,474 | 0 | 3,348,391 | 253,807 | 56.29% |
| 226 | 0.002618 | 3,926,911 | 342,624 | 0 | 3,204,191 | 380,097 | 56.55% |
| 88 | 0.008986 | 4,079,313 | 167,992 | 0 | 3,612,326 | 298,995 | 57.45% |
| 125 | 0.002618 | 4,083,005 | 435,750 | 0 | 3,420,897 | 226,358 | 57.72% |
| 170 | 0.002618 | 4,143,860 | 405,040 | 0 | 3,450,184 | 288,636 | 57.98% |
| 5 | 0.006532 | 4,208,893 | 0 | 0 | 3,908,215 | 300,678 | 58.63% |
| 187 | 0.006532 | 4,210,252 | 37,184 | 0 | 3,892,540 | 280,527 | 59.28% |
| 143 | 0.006532 | 4,506,689 | 302,950 | 0 | 3,810,997 | 392,742 | 59.94% |
| 109 | 0.008986 | 4,696,362 | 349,098 | 0 | 4,138,355 | 208,909 | 60.84% |
| 236 | 0.006532 | 4,702,451 | 23,738 | 0 | 4,329,967 | 348,746 | 61.49% |
| 18 | 0.008986 | 4,841,470 | 394,582 | 0 | 3,965,609 | 481,279 | 62.39% |
| 166 | 0.006532 | 4,852,057 | 20,252 | 0 | 4,507,469 | 324,336 | 63.04% |
| 158 | 0.008986 | 4,873,163 | 80,510 | 0 | 4,483,845 | 308,808 | 63.94% |
| 12 | 0.006532 | 5,117,519 | 32,038 | 0 | 4,760,093 | 325,388 | 64.59% |
| 221 | 0.008986 | 5,125,001 | 102,588 | 0 | 4,688,127 | 334,285 | 65.49% |
| 58 | 0.002618 | 5,203,604 | 769,908 | 0 | 4,025,123 | 408,573 | 65.75% |
| 94 | 0.006532 | 5,261,665 | 284,026 | 0 | 4,557,991 | 419,648 | 66.41% |
| 76 | 0.002618 | 5,369,803 | 136,618 | 0 | 4,969,991 | 263,194 | 66.67% |
| 244 | 0.002618 | 5,781,302 | 929,932 | 0 | 4,575,499 | 275,871 | 66.93% |
| 48 | 0.002618 | 6,183,407 | 480,238 | 0 | 5,367,578 | 335,591 | 67.19% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 138 | 0.006532 | 6,523,715 | 405,040 | 0 | 5,758,085 | 360,591 | 67.84% |
| 26 | 0.006532 | 6,833,237 | 628,144 | 0 | 5,845,069 | 360,024 | 68.50% |
| 193 | 0.008986 | 7,002,498 | 174,466 | 0 | 6,400,725 | 427,307 | 69.40% |
| 116 | 0.008986 | 7,254,447 | 187,580 | 0 | 6,667,369 | 399,498 | 70.29% |
| 227 | 0.006532 | 7,413,995 | 551,950 | 0 | 6,367,717 | 494,328 | 70.95% |
| 210 | 0.000642 | 7,414,417 | 1,047,128 | 0 | 6,057,792 | 309,498 | 71.01% |
| 39 | 0.008986 | 7,476,308 | 329,344 | 0 | 6,696,790 | 450,174 | 71.91% |
| 104 | 0.002618 | 7,512,218 | 156,206 | 0 | 6,978,494 | 377,518 | 72.17% |
| 69 | 0.002618 | 7,590,539 | 588,802 | 0 | 6,646,380 | 355,356 | 72.43% |
| 55 | 0.002618 | 7,685,787 | 1,318,870 | 0 | 5,968,575 | 398,343 | 72.70% |
| 181 | 0.002618 | 7,725,330 | 238,210 | 0 | 7,118,622 | 368,498 | 72.96% |
| 167 | 0.002618 | 7,969,478 | 23,738 | 0 | 7,537,161 | 408,579 | 73.22% |
| 202 | 0.002618 | 8,254,779 | 520,410 | 0 | 7,359,692 | 374,677 | 73.48% |
| 153 | 0.002618 | 8,413,618 | 53,120 | 0 | 7,975,105 | 385,393 | 73.74% |
| 171 | 0.006532 | 8,414,169 | 1,523,714 | 0 | 6,498,388 | 392,067 | 74.40% |
| 214 | 0.008986 | 8,596,252 | 404,376 | 0 | 7,816,932 | 374,944 | 75.29% |
| 89 | 0.006532 | 8,733,373 | 189,240 | 0 | 8,130,019 | 414,113 | 75.95% |
| 77 | 0.000642 | 8,736,756 | 97,608 | 0 | 8,267,532 | 371,616 | 76.01% |
| 34 | 0.002618 | 8,990,449 | 134,294 | 0 | 8,440,020 | 416,135 | 76.27% |
| 159 | 0.006532 | 9,215,225 | 159,028 | 0 | 8,647,771 | 408,426 | 76.93% |
| 188 | 0.002618 | 9,303,354 | 159,028 | 0 | 8,769,976 | 374,350 | 77.19% |
| 13 | 0.002618 | 9,445,999 | 84,328 | 0 | 8,941,349 | 420,321 | 77.45% |
| 144 | 0.008986 | 9,888,774 | 538,836 | 0 | 8,809,939 | 540,000 | 78.35% |
| 6 | 0.002618 | 10,084,286 | 157,368 | 0 | 9,521,014 | 405,904 | 78.61% |
| 139 | 0.002618 | 10,133,685 | 901,712 | 0 | 8,764,315 | 467,658 | 78.87% |
| 81 | 0.008986 | 10,199,214 | 16,766 | 0 | 9,838,775 | 343,673 | 79.77% |
| 237 | 0.002618 | 10,200,038 | 70,716 | 0 | 9,673,153 | 456,169 | 80.03% |
| 131 | 0.006532 | 10,707,166 | 387,942 | 0 | 9,870,659 | 448,565 | 80.69% |
| 222 | 0.006532 | 10,947,859 | 320,878 | 0 | 10,180,194 | 446,787 | 81.34% |
| 59 | 0.006532 | 12,058,410 | 2,712,938 | 0 | 8,802,116 | 543,357 | 81.99% |
| 126 | 0.000642 | 12,343,657 | 2,219,420 | 0 | 9,803,162 | 321,076 | 82.06% |
| 110 | 0.006532 | 12,523,581 | 1,332,482 | 0 | 10,934,537 | 256,562 | 82.71% |
| 19 | 0.006532 | 13,486,969 | 1,789,314 | 0 | 11,062,480 | 635,174 | 83.36% |
| 95 | 0.008986 | 13,849,624 | 551,452 | 0 | 12,741,322 | 556,851 | 84.26% |
| 182 | 0.000642 | 14,044,027 | 986,206 | 0 | 12,557,362 | 500,458 | 84.33% |
| 117 | 0.006532 | 14,076,293 | 219,120 | 0 | 13,357,576 | 499,597 | 84.98% |
| 27 | 0.002618 | 14,604,374 | 1,873,310 | 0 | 12,239,822 | 491,242 | 85.24% |
| 245 | 0.000642 | 15,109,727 | 4,855,998 | 0 | 9,879,977 | 373,753 | 85.31% |
| 160 | 0.002618 | 15,741,216 | 306,104 | 0 | 14,908,054 | 527,059 | 85.57% |
| 215 | 0.006532 | 16,420,394 | 1,260,438 | 0 | 14,661,908 | 498,048 | 86.22% |
| 194 | 0.006532 | 16,660,838 | 357,066 | 0 | 15,729,121 | 574,650 | 86.87% |
| 82 | 0.006532 | 16,742,696 | 75,198 | 0 | 16,234,699 | 432,799 | 87.53% |
| 90 | 0.002618 | 17,183,513 | 411,514 | 0 | 16,224,559 | 547,440 | 87.79% |
| 49 | 0.000642 | 18,494,749 | 1,669,130 | 0 | 16,348,697 | 476,922 | 87.85% |
| 154 | 0.000642 | 19,102,167 | 295,480 | 0 | 18,276,200 | 530,487 | 87.92% |
| 168 | 0.000642 | 19,443,748 | 163,676 | 0 | 18,704,732 | 575,340 | 87.98% |
| 228 | 0.008986 | 20,133,466 | 2,494,980 | 0 | 16,992,548 | 645,938 | 88.88% |
| 70 | 0.000642 | 20,177,704 | 2,416,462 | 0 | 17,285,054 | 476,188 | 88.94% |
| 14 | 0.000642 | 20,344,789 | 337,146 | 0 | 19,462,865 | 544,777 | 89.01% |
| 145 | 0.006532 | 20,356,598 | 1,749,308 | 0 | 17,916,521 | 690,769 | 89.66% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 40 | 0.006532 | 20,459,467 | 1,449,678 | 0 | 18,442,608 | 567,181 | 90.31% |
| 189 | 0.000642 | 20,590,388 | 219,120 | 0 | 19,866,358 | 504,910 | 90.38% |
| 35 | 0.000642 | 20,792,180 | 393,918 | 0 | 19,830,374 | 567,888 | 90.44% |
| 56 | 0.000642 | 21,391,129 | 5,467,210 | 0 | 15,387,891 | 536,027 | 90.51% |
| 105 | 0.000642 | 21,654,200 | 485,550 | 0 | 20,642,270 | 526,380 | 90.57% |
| 203 | 0.000642 | 22,052,282 | 2,820,174 | 0 | 18,686,204 | 545,903 | 90.64% |
| 132 | 0.002618 | 22,338,251 | 834,316 | 0 | 20,933,910 | 570,024 | 90.90% |
| 172 | 0.008986 | 22,497,632 | 5,988,616 | 0 | 16,011,074 | 497,942 | 91.80% |
| 223 | 0.002618 | 22,597,556 | 993,012 | 0 | 21,041,013 | 563,531 | 92.06% |
| 238 | 0.000642 | 23,060,398 | 77,190 | 0 | 22,360,593 | 622,615 | 92.12% |
| 111 | 0.002618 | 23,723,183 | 3,638,222 | 0 | 19,735,492 | 349,469 | 92.38% |
| 7 | 0.000642 | 25,941,761 | 338,142 | 0 | 25,051,556 | 552,063 | 92.45% |
| 118 | 0.002618 | 27,057,664 | 623,496 | 0 | 25,782,556 | 651,612 | 92.71% |
| 83 | 0.002618 | 27,073,040 | 224,432 | 0 | 26,291,872 | 556,736 | 92.97% |
| 20 | 0.002618 | 30,722,676 | 6,932,824 | 0 | 22,951,207 | 838,645 | 93.23% |
| 195 | 0.002618 | 30,932,903 | 1,106,888 | 0 | 29,091,874 | 734,142 | 93.50% |
| 216 | 0.002618 | 31,099,640 | 3,164,292 | 0 | 27,289,847 | 645,501 | 93.76% |
| 140 | 0.000642 | 31,699,196 | 4,725,190 | 0 | 26,341,649 | 632,357 | 93.82% |
| 28 | 0.000642 | 33,682,424 | 6,242,762 | 0 | 26,770,241 | 669,421 | 93.89% |
| 96 | 0.006532 | 36,097,898 | 2,478,380 | 0 | 32,913,128 | 706,390 | 94.54% |
| 41 | 0.002618 | 37,622,063 | 3,109,844 | 0 | 33,773,094 | 739,125 | 94.80% |
| 91 | 0.000642 | 37,622,788 | 927,276 | 0 | 35,998,509 | 697,003 | 94.86% |
| 161 | 0.000642 | 40,466,581 | 1,351,406 | 0 | 38,420,347 | 694,828 | 94.93% |
| 229 | 0.006532 | 41,201,724 | 8,046,352 | 0 | 32,347,565 | 807,807 | 95.58% |
| 60 | 0.008986 | 42,346,694 | 12,733,362 | 0 | 28,931,363 | 681,970 | 96.48% |
| 146 | 0.002618 | 45,729,201 | 5,697,784 | 0 | 39,154,226 | 877,190 | 96.74% |
| 133 | 0.000642 | 50,541,781 | 3,936,192 | 0 | 45,834,993 | 770,596 | 96.81% |
| 173 | 0.006532 | 50,713,497 | 17,304,504 | 0 | 32,769,693 | 639,300 | 97.46% |
| 84 | 0.000642 | 55,027,540 | 274,066 | 0 | 54,013,908 | 739,566 | 97.52% |
| 224 | 0.000642 | 56,156,980 | 3,455,788 | 0 | 51,947,594 | 753,598 | 97.59% |
| 112 | 0.000642 | 57,869,277 | 13,844,732 | 0 | 43,571,796 | 452,749 | 97.65% |
| 119 | 0.000642 | 68,886,521 | 2,924,422 | 0 | 65,123,300 | 838,799 | 97.72% |
| 97 | 0.002618 | 70,874,509 | 7,256,856 | 0 | 62,714,297 | 903,356 | 97.98% |
| 196 | 0.000642 | 71,883,914 | 3,553,562 | 0 | 67,365,492 | 964,861 | 98.04% |
| 217 | 0.000642 | 73,945,870 | 10,792,988 | 0 | 62,288,516 | 864,366 | 98.11% |
| 21 | 0.000642 | 75,717,626 | 30,670,326 | 0 | 43,939,064 | 1,108,236 | 98.17% |
| 42 | 0.000642 | 77,287,158 | 10,919,978 | 0 | 65,371,462 | 995,718 | 98.24% |
| 61 | 0.006532 | 83,385,709 | 31,646,572 | 0 | 50,879,312 | 859,825 | 98.89% |
| 230 | 0.002618 | 84,128,069 | 21,995,996 | 0 | 61,135,636 | 996,436 | 99.15% |
| 147 | 0.000642 | 105,769,417 | 21,697,196 | 0 | 82,928,914 | 1,143,307 | 99.21% |
| 174 | 0.002618 | 112,520,581 | 56,169,088 | 0 | 55,564,770 | 786,722 | 99.48% |
| 98 | 0.000642 | 149,024,273 | 21,555,598 | 0 | 126,318,689 | 1,149,986 | 99.54% |
| 62 | 0.002618 | 190,534,076 | 111,438,622 | 0 | 78,054,684 | 1,040,770 | 99.80% |
| 231 | 0.000642 | 203,599,651 | 88,144,174 | 0 | 114,176,412 | 1,279,065 | 99.87% |
| 175 | 0.000642 | 215,895,717 | 136,942,198 | 0 | 77,957,648 | 995,871 | 99.93% |
| 63 | 0.000642 | 348,575,865 | 253,170,086 | 0 | 94,105,678 | 1,300,102 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|-------|
| 204 | 0.000642 | 48,967 | | 0 | 0 | 8,990 | 39,977 | 0.06% |
| 120 | 0.000642 | 71,608 | 5,810 | 0 | 0 | 20,111 | 45,687 | 0.13% |
| 176 | 0.000642 | 90,702 | 0 | 0 | 0 | 19,589 | 71,113 | 0.19% |
| 43 | 0.000642 | 92,986 | 2,324 | 0 | 0 | 25,670 | 64,992 | 0.26% |
| 197 | 0.000642 | 96,335 | 0 | 0 | 0 | 18,831 | 77,505 | 0.32% |
| 148 | 0.000642 | 104,517 | 0 | 0 | 0 | 32,513 | 72,003 | 0.39% |
| 72 | 0.002618 | 104,971 | 0 | 0 | 0 | 32,279 | 72,692 | 0.65% |
| 205 | 0.002618 | 106,002 | 0 | 0 | 0 | 42,760 | 63,242 | 0.91% |
| 71 | 0.000642 | 108,852 | 6,308 | 0 | 0 | 55,790 | 46,754 | 0.97% |
| 99 | 0.000642 | 117,146 | 0 | 0 | 0 | 43,023 | 74,124 | 1.04% |
| 162 | 0.000642 | 122,818 | 0 | 0 | 0 | 36,816 | 86,002 | 1.10% |
| 50 | 0.000642 | 124,191 | 2,656 | 0 | 0 | 33,270 | 88,265 | 1.17% |
| 1 | 0.000642 | 124,395 | 0 | 0 | 0 | 44,237 | 80,159 | 1.23% |
| 64 | 0.000642 | 134,153 | 0 | 0 | 0 | 59,128 | 75,025 | 1.29% |
| 121 | 0.002618 | 139,581 | 1,328 | 0 | 0 | 70,378 | 67,875 | 1.56% |
| 232 | 0.000642 | 148,928 | 1,162 | 0 | 0 | 55,371 | 92,395 | 1.62% |
| 8 | 0.000642 | 152,385 | 0 | 0 | 0 | 46,639 | 105,746 | 1.68% |
| 183 | 0.000642 | 154,184 | 498 | 0 | 0 | 76,860 | 76,827 | 1.75% |
| 240 | 0.002618 | 155,775 | 1,494 | 0 | 0 | 79,781 | 74,500 | 2.01% |
| 22 | 0.000642 | 156,216 | 0 | 0 | 0 | 52,265 | 103,952 | 2.07% |
| 134 | 0.000642 | 156,263 | 4,150 | 0 | 0 | 57,979 | 94,134 | 2.14% |
| 177 | 0.002618 | 176,868 | 0 | 0 | 0 | 73,431 | 103,437 | 2.40% |
| 100 | 0.002618 | 185,922 | 0 | 0 | 0 | 78,881 | 107,041 | 2.66% |
| 239 | 0.000642 | 187,593 | 0 | 0 | 0 | 133,941 | 53,652 | 2.73% |
| 149 | 0.002618 | 200,586 | 3,486 | 0 | 0 | 93,206 | 103,894 | 2.99% |
| 206 | 0.006532 | 203,697 | 4,980 | 0 | 0 | 106,034 | 92,683 | 3.64% |
| 85 | 0.000642 | 207,348 | 664 | 0 | 0 | 86,662 | 120,022 | 3.71% |
| 155 | 0.000642 | 217,856 | 0 | 0 | 0 | 91,620 | 126,235 | 3.77% |
| 127 | 0.000642 | 218,393 | 0 | 0 | 0 | 84,567 | 133,826 | 3.83% |
| 44 | 0.002618 | 223,235 | 0 | 0 | 0 | 124,876 | 98,359 | 4.10% |
| 198 | 0.002618 | 224,069 | 0 | 0 | 0 | 112,227 | 111,842 | 4.36% |
| 106 | 0.000642 | 226,623 | 13,280 | 0 | 0 | 129,197 | 84,146 | 4.42% |
| 65 | 0.002618 | 233,867 | 5,976 | 0 | 0 | 117,669 | 110,222 | 4.68% |
| 51 | 0.002618 | 238,821 | 0 | 0 | 0 | 116,315 | 122,506 | 4.95% |
| 184 | 0.002618 | 244,554 | 498 | 0 | 0 | 131,280 | 112,777 | 5.21% |
| 30 | 0.002618 | 247,265 | 0 | 0 | 0 | 114,644 | 132,620 | 5.47% |
| 163 | 0.002618 | 247,614 | 0 | 0 | 0 | 116,319 | 131,295 | 5.73% |
| 218 | 0.000642 | 258,066 | 4,316 | 0 | 0 | 122,536 | 131,214 | 5.80% |
| 122 | 0.006532 | 259,646 | 11,122 | 0 | 0 | 155,353 | 93,171 | 6.45% |
| 2 | 0.002618 | 262,850 | 1,992 | 0 | 0 | 144,714 | 116,144 | 6.71% |
| 241 | 0.006532 | 307,200 | 3,984 | 0 | 0 | 196,088 | 107,128 | 7.36% |
| 78 | 0.000642 | 319,684 | 0 | 0 | 0 | 172,528 | 147,156 | 7.43% |
| 9 | 0.002618 | 320,415 | 0 | 0 | 0 | 173,536 | 146,878 | 7.69% |
| 190 | 0.000642 | 325,693 | 2,988 | 0 | 0 | 150,619 | 172,086 | 7.75% |
| 73 | 0.006532 | 335,686 | 4,482 | 0 | 0 | 229,999 | 101,205 | 8.41% |
| 211 | 0.000642 | 336,652 | 10,956 | 0 | 0 | 167,772 | 157,924 | 8.47% |
| 233 | 0.002618 | 340,010 | 14,608 | 0 | 0 | 183,583 | 141,819 | 8.73% |
| 23 | 0.002618 | 368,816 | 6,640 | 0 | 0 | 213,964 | 148,212 | 8.99% |
| 15 | 0.000642 | 369,813 | 32,868 | 0 | 0 | 157,209 | 179,736 | 9.06% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|--------|--------|-----------------------|---------------|----------|
| 135 | 0.002618 | 376,907 | 14,940 | 0 | 225,550 | 136,417 | 9.32% |
| 113 | 0.000642 | 398,019 | 0 | 0 | 225,733 | 172,287 | 9.38% |
| 141 | 0.000642 | 402,980 | 15,106 | 0 | 168,374 | 219,500 | 9.45% |
| 199 | 0.006532 | 423,095 | 1,660 | 0 | 269,406 | 152,028 | 10.10% |
| 31 | 0.006532 | 426,910 | 0 | 0 | 253,161 | 173,749 | 10.76% |
| 150 | 0.006532 | 427,771 | 13,446 | 0 | 256,696 | 157,629 | 11.41% |
| 178 | 0.006532 | 428,645 | 10,458 | 0 | 276,795 | 141,393 | 12.06% |
| 86 | 0.002618 | 430,413 | 0 | 0 | 261,300 | 169,113 | 12.32% |
| 45 | 0.006532 | 441,695 | 16,434 | 0 | 293,441 | 131,820 | 12.98% |
| 52 | 0.006532 | 461,781 | 25,398 | 0 | 268,050 | 168,333 | 13.63% |
| 36 | 0.000642 | 490,730 | 42,994 | 0 | 270,568 | 177,168 | 13.69% |
| 107 | 0.002618 | 504,670 | 19,090 | 0 | 366,314 | 119,266 | 13.96% |
| 164 | 0.006532 | 515,601 | 7,138 | 0 | 328,163 | 180,300 | 14.61% |
| 185 | 0.006532 | 518,401 | 20,418 | 0 | 345,995 | 151,987 | 15.26% |
| 3 | 0.006532 | 519,211 | 3,154 | 0 | 353,293 | 162,764 | 15.92% |
| 101 | 0.006532 | 538,219 | 29,216 | 0 | 356,174 | 152,829 | 16.57% |
| 156 | 0.002618 | 540,619 | 2,490 | 0 | 358,329 | 179,800 | 16.83% |
| 234 | 0.006532 | 588,103 | 7,636 | 0 | 394,021 | 186,446 | 17.48% |
| 123 | 0.008986 | 601,497 | 15,936 | 0 | 459,860 | 125,701 | 18.38% |
| 29 | 0.000642 | 602,041 | 0 | 0 | 511,190 | 90,852 | 18.45% |
| 16 | 0.002618 | 615,163 | 16,766 | 0 | 335,482 | 262,915 | 18.71% |
| 66 | 0.006532 | 633,591 | 26,892 | 0 | 460,348 | 146,352 | 19.36% |
| 207 | 0.008986 | 663,863 | 22,576 | 0 | 517,710 | 123,577 | 20.26% |
| 128 | 0.002618 | 672,749 | 27,058 | 0 | 461,163 | 184,527 | 20.52% |
| 79 | 0.002618 | 694,095 | 36,022 | 0 | 467,020 | 191,052 | 20.78% |
| 136 | 0.006532 | 700,478 | 830 | 0 | 503,726 | 195,922 | 21.44% |
| 219 | 0.002618 | 744,558 | 35,856 | 0 | 508,669 | 200,033 | 21.70% |
| 242 | 0.008986 | 784,187 | 44,156 | 0 | 584,644 | 155,387 | 22.60% |
| 208 | 0.006532 | 800,832 | 15,106 | 0 | 611,492 | 174,234 | 23.25% |
| 24 | 0.006532 | 830,422 | 31,208 | 0 | 598,915 | 200,299 | 23.90% |
| 212 | 0.002618 | 836,265 | 32,868 | 0 | 583,325 | 220,072 | 24.17% |
| 157 | 0.006532 | 848,504 | 22,908 | 0 | 581,707 | 243,889 | 24.82% |
| 37 | 0.002618 | 852,705 | 42,496 | 0 | 562,118 | 248,091 | 25.08% |
| 87 | 0.006532 | 872,906 | 332 | 0 | 633,466 | 239,109 | 25.73% |
| 179 | 0.008986 | 879,292 | 0 | 0 | 681,023 | 198,269 | 26.63% |
| 114 | 0.002618 | 885,472 | 3,486 | 0 | 640,168 | 241,818 | 26.89% |
| 225 | 0.000642 | 891,978 | 29,050 | 0 | 576,279 | 286,648 | 26.96% |
| 74 | 0.008986 | 919,922 | 43,658 | 0 | 732,835 | 143,429 | 27.86% |
| 169 | 0.000642 | 954,305 | 43,326 | 0 | 694,926 | 216,053 | 27.92% |
| 75 | 0.006532 | 1,001,463 | 11,620 | 0 | 789,899 | 199,945 | 28.57% |
| 46 | 0.008986 | 1,052,384 | 15,936 | 0 | 847,153 | 189,295 | 29.47% |
| 53 | 0.008986 | 1,055,238 | 12,450 | 0 | 821,808 | 220,980 | 30.37% |
| 129 | 0.006532 | 1,056,206 | 40,338 | 0 | 762,624 | 253,244 | 31.02% |
| 10 | 0.006532 | 1,081,478 | 1,992 | 0 | 881,151 | 198,336 | 31.68% |
| 191 | 0.002618 | 1,106,554 | 38,180 | 0 | 830,372 | 238,002 | 31.94% |
| 200 | 0.008986 | 1,114,566 | 10,624 | 0 | 885,602 | 218,340 | 32.84% |
| 235 | 0.008986 | 1,131,559 | 4,814 | 0 | 864,897 | 261,848 | 33.74% |
| 186 | 0.008986 | 1,157,872 | 2,822 | 0 | 950,069 | 204,981 | 34.64% |
| 165 | 0.008986 | 1,255,849 | 19,754 | 0 | 994,405 | 241,690 | 35.53% |
| 151 | 0.008986 | 1,258,305 | 27,556 | 0 | 1,017,893 | 212,856 | 36.43% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 32 | 0.008986 | 1,266,111 | 14,442 | 0 | 1,010,617 | 241,052 | 37.33% |
| 124 | 0.006532 | 1,367,163 | 93,292 | 0 | 1,101,001 | 172,870 | 37.98% |
| 220 | 0.006532 | 1,368,516 | 39,010 | 0 | 1,066,344 | 263,163 | 38.64% |
| 142 | 0.002618 | 1,392,124 | 130,808 | 0 | 953,621 | 307,696 | 38.90% |
| 93 | 0.002618 | 1,425,065 | 100,596 | 0 | 1,010,500 | 313,969 | 39.16% |
| 17 | 0.006532 | 1,433,479 | 39,010 | 0 | 1,042,699 | 351,770 | 39.81% |
| 102 | 0.008986 | 1,446,656 | 52,456 | 0 | 1,191,170 | 203,031 | 40.71% |
| 92 | 0.000642 | 1,556,433 | 239,040 | 0 | 1,099,097 | 218,296 | 40.78% |
| 57 | 0.000642 | 1,561,453 | 220,116 | 0 | 1,043,174 | 298,163 | 40.84% |
| 243 | 0.006532 | 1,601,204 | 199,532 | 0 | 1,194,212 | 207,460 | 41.49% |
| 11 | 0.008986 | 1,645,123 | 9,462 | 0 | 1,368,933 | 266,728 | 42.39% |
| 4 | 0.008986 | 1,676,450 | 25,232 | 0 | 1,416,715 | 234,503 | 43.29% |
| 108 | 0.006532 | 1,775,598 | 84,826 | 0 | 1,523,368 | 167,404 | 43.95% |
| 115 | 0.006532 | 1,776,067 | 24,568 | 0 | 1,453,195 | 298,304 | 44.60% |
| 137 | 0.008986 | 1,923,439 | 56,108 | 0 | 1,602,577 | 264,754 | 45.50% |
| 213 | 0.006532 | 1,926,608 | 52,622 | 0 | 1,577,104 | 296,882 | 46.15% |
| 226 | 0.002618 | 2,012,739 | 78,186 | 0 | 1,551,008 | 383,545 | 46.41% |
| 67 | 0.008986 | 2,042,371 | 73,206 | 0 | 1,758,200 | 210,965 | 47.31% |
| 192 | 0.006532 | 2,183,361 | 49,800 | 0 | 1,811,053 | 322,508 | 47.96% |
| 25 | 0.008986 | 2,206,173 | 104,580 | 0 | 1,818,772 | 282,821 | 48.86% |
| 88 | 0.008986 | 2,355,430 | 34,528 | 0 | 2,017,143 | 303,759 | 49.76% |
| 5 | 0.006532 | 2,391,716 | 29,050 | 0 | 2,057,553 | 305,114 | 50.41% |
| 209 | 0.002618 | 2,418,062 | 265,766 | 0 | 1,918,206 | 234,090 | 50.68% |
| 170 | 0.002618 | 2,426,206 | 210,488 | 0 | 1,912,981 | 302,736 | 50.94% |
| 68 | 0.006532 | 2,439,339 | 124,002 | 0 | 2,035,249 | 280,088 | 51.59% |
| 166 | 0.006532 | 2,446,306 | 23,406 | 0 | 2,092,081 | 330,819 | 52.24% |
| 201 | 0.006532 | 2,489,566 | 83,498 | 0 | 2,106,112 | 299,956 | 52.90% |
| 187 | 0.006532 | 2,596,707 | 20,916 | 0 | 2,284,732 | 291,059 | 53.55% |
| 80 | 0.006532 | 2,708,497 | 23,074 | 0 | 2,418,091 | 267,332 | 54.20% |
| 180 | 0.006532 | 2,714,679 | 115,536 | 0 | 2,325,664 | 273,480 | 54.86% |
| 47 | 0.006532 | 2,727,283 | 91,798 | 0 | 2,377,671 | 257,814 | 55.51% |
| 38 | 0.006532 | 2,740,261 | 182,434 | 0 | 2,210,892 | 346,935 | 56.16% |
| 143 | 0.006532 | 2,740,889 | 206,504 | 0 | 2,114,679 | 419,707 | 56.82% |
| 103 | 0.006532 | 2,792,044 | 80,012 | 0 | 2,414,997 | 297,035 | 57.47% |
| 54 | 0.006532 | 2,833,398 | 174,632 | 0 | 2,350,191 | 308,575 | 58.12% |
| 33 | 0.006532 | 2,876,391 | 58,930 | 0 | 2,489,173 | 328,288 | 58.78% |
| 158 | 0.008986 | 3,114,166 | 11,122 | 0 | 2,784,941 | 318,103 | 59.67% |
| 221 | 0.008986 | 3,159,920 | 78,684 | 0 | 2,737,167 | 344,069 | 60.57% |
| 152 | 0.006532 | 3,184,490 | 73,206 | 0 | 2,824,289 | 286,995 | 61.23% |
| 18 | 0.008986 | 3,297,021 | 245,348 | 0 | 2,565,170 | 486,503 | 62.13% |
| 12 | 0.006532 | 3,777,135 | 5,478 | 0 | 3,437,188 | 334,469 | 62.78% |
| 244 | 0.002618 | 3,803,199 | 666,988 | 0 | 2,858,993 | 277,218 | 63.04% |
| 130 | 0.008986 | 3,900,201 | 140,934 | 0 | 3,412,019 | 347,248 | 63.94% |
| 109 | 0.008986 | 3,900,651 | 330,340 | 0 | 3,352,356 | 217,955 | 64.84% |
| 48 | 0.002618 | 4,054,516 | 278,714 | 0 | 3,428,030 | 347,772 | 65.10% |
| 81 | 0.008986 | 4,067,610 | 30,710 | 0 | 3,692,564 | 344,337 | 66.00% |
| 125 | 0.002618 | 4,094,186 | 337,312 | 0 | 3,528,905 | 227,969 | 66.26% |
| 138 | 0.006532 | 4,159,607 | 135,290 | 0 | 3,666,186 | 358,131 | 66.91% |
| 181 | 0.002618 | 4,175,193 | 200,196 | 0 | 3,600,011 | 374,985 | 67.17% |
| 58 | 0.002618 | 4,219,719 | 481,898 | 0 | 3,310,008 | 427,813 | 67.44% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 76 | 0.002618 | 4,447,750 | 86,652 | 0 | 4,088,727 | 272,371 | 67.70% |
| 236 | 0.006532 | 4,733,645 | 19,588 | 0 | 4,358,263 | 355,794 | 68.35% |
| 210 | 0.000642 | 4,756,242 | 642,420 | 0 | 3,806,327 | 307,494 | 68.42% |
| 39 | 0.008986 | 4,816,605 | 175,462 | 0 | 4,190,738 | 450,404 | 69.31% |
| 26 | 0.006532 | 4,828,923 | 280,872 | 0 | 4,166,994 | 381,057 | 69.97% |
| 202 | 0.002618 | 4,864,965 | 256,470 | 0 | 4,215,564 | 392,931 | 70.23% |
| 55 | 0.002618 | 4,875,843 | 782,524 | 0 | 3,691,998 | 401,321 | 70.49% |
| 104 | 0.002618 | 5,016,179 | 41,666 | 0 | 4,604,049 | 370,464 | 70.75% |
| 116 | 0.008986 | 5,020,293 | 160,522 | 0 | 4,454,669 | 405,102 | 71.65% |
| 193 | 0.008986 | 5,148,908 | 170,150 | 0 | 4,551,151 | 427,607 | 72.55% |
| 227 | 0.006532 | 5,175,524 | 214,140 | 0 | 4,451,970 | 509,414 | 73.20% |
| 94 | 0.006532 | 5,297,479 | 421,474 | 0 | 4,459,304 | 416,702 | 73.86% |
| 159 | 0.006532 | 5,620,830 | 96,280 | 0 | 5,110,594 | 413,956 | 74.51% |
| 214 | 0.008986 | 5,656,118 | 408,858 | 0 | 4,862,528 | 384,732 | 75.41% |
| 153 | 0.002618 | 5,921,259 | 32,702 | 0 | 5,494,230 | 394,327 | 75.67% |
| 89 | 0.006532 | 5,928,147 | 51,294 | 0 | 5,471,760 | 405,093 | 76.32% |
| 167 | 0.002618 | 6,200,177 | 54,614 | 0 | 5,710,408 | 435,155 | 76.58% |
| 69 | 0.002618 | 6,410,077 | 390,266 | 0 | 5,650,504 | 369,307 | 76.85% |
| 188 | 0.002618 | 6,656,985 | 104,414 | 0 | 6,174,687 | 377,884 | 77.11% |
| 77 | 0.000642 | 6,937,435 | 49,800 | 0 | 6,503,226 | 384,409 | 77.17% |
| 34 | 0.002618 | 7,059,562 | 124,666 | 0 | 6,509,792 | 425,104 | 77.43% |
| 144 | 0.008986 | 7,232,123 | 330,838 | 0 | 6,357,626 | 543,659 | 78.33% |
| 171 | 0.006532 | 7,366,531 | 1,455,820 | 0 | 5,513,850 | 396,861 | 78.99% |
| 131 | 0.006532 | 7,397,245 | 260,620 | 0 | 6,683,720 | 452,905 | 79.64% |
| 6 | 0.002618 | 7,948,189 | 103,418 | 0 | 7,431,660 | 413,111 | 79.90% |
| 126 | 0.000642 | 8,666,142 | 1,526,536 | 0 | 6,816,042 | 323,563 | 79.97% |
| 19 | 0.006532 | 8,871,347 | 1,311,234 | 0 | 6,918,307 | 641,806 | 80.62% |
| 110 | 0.006532 | 8,906,589 | 838,632 | 0 | 7,792,824 | 275,134 | 81.27% |
| 13 | 0.002618 | 8,928,026 | 99,932 | 0 | 8,390,050 | 438,044 | 81.53% |
| 237 | 0.002618 | 9,029,134 | 70,218 | 0 | 8,470,873 | 488,043 | 81.80% |
| 182 | 0.000642 | 9,609,241 | 564,732 | 0 | 8,557,140 | 487,369 | 81.86% |
| 82 | 0.006532 | 9,696,779 | 48,638 | 0 | 9,202,629 | 445,512 | 82.51% |
| 139 | 0.002618 | 9,786,024 | 936,406 | 0 | 8,364,986 | 484,632 | 82.77% |
| 222 | 0.006532 | 9,912,410 | 243,356 | 0 | 9,205,395 | 463,659 | 83.43% |
| 59 | 0.006532 | 10,272,324 | 2,218,258 | 0 | 7,514,542 | 539,524 | 84.08% |
| 117 | 0.006532 | 10,572,675 | 70,882 | 0 | 9,984,193 | 517,600 | 84.73% |
| 95 | 0.008986 | 10,958,274 | 423,798 | 0 | 9,971,879 | 562,597 | 85.63% |
| 90 | 0.002618 | 11,007,572 | 320,048 | 0 | 10,149,810 | 537,713 | 85.89% |
| 215 | 0.006532 | 11,092,671 | 891,254 | 0 | 9,683,023 | 518,394 | 86.55% |
| 245 | 0.000642 | 11,513,345 | 3,972,380 | 0 | 7,153,935 | 387,030 | 86.61% |
| 27 | 0.002618 | 11,630,498 | 1,273,552 | 0 | 9,843,112 | 513,834 | 86.87% |
| 49 | 0.000642 | 12,212,623 | 1,320,198 | 0 | 10,424,814 | 467,611 | 86.94% |
| 194 | 0.006532 | 12,375,355 | 485,550 | 0 | 11,319,194 | 570,611 | 87.59% |
| 56 | 0.000642 | 12,376,949 | 3,597,220 | 0 | 8,241,841 | 537,887 | 87.66% |
| 189 | 0.000642 | 12,736,391 | 125,496 | 0 | 12,096,543 | 514,352 | 87.72% |
| 154 | 0.000642 | 13,023,840 | 104,746 | 0 | 12,378,952 | 540,142 | 87.78% |
| 40 | 0.006532 | 13,051,044 | 755,466 | 0 | 11,703,176 | 592,402 | 88.44% |
| 145 | 0.006532 | 13,384,068 | 1,070,700 | 0 | 11,605,210 | 708,157 | 89.09% |
| 105 | 0.000642 | 14,085,479 | 194,718 | 0 | 13,356,671 | 534,090 | 89.15% |
| 132 | 0.002618 | 14,363,775 | 397,238 | 0 | 13,389,826 | 576,711 | 89.42% |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-------------|------------|---------------|----------|
| 70 | 0.000642 | 14,670,289 | 1,643,400 | 0 | | 12,532,194 | 494,696 | 89.48% |
| 160 | 0.002618 | 15,193,703 | 298,800 | 0 | | 14,335,294 | 559,609 | 89.74% |
| 228 | 0.008986 | 15,387,063 | 2,353,880 | 0 | | 12,364,373 | 668,810 | 90.64% |
| 238 | 0.000642 | 15,873,198 | 116,034 | 0 | | 15,120,285 | 636,879 | 90.71% |
| 35 | 0.000642 | 16,419,516 | 416,494 | 0 | | 15,408,922 | 594,101 | 90.77% |
| 7 | 0.000642 | 16,572,450 | 135,290 | 0 | | 15,874,225 | 562,935 | 90.83% |
| 168 | 0.000642 | 16,624,228 | 291,828 | 0 | | 15,743,256 | 589,144 | 90.90% |
| 203 | 0.000642 | 16,906,490 | 1,770,390 | 0 | | 14,599,716 | 536,385 | 90.96% |
| 14 | 0.000642 | 18,540,204 | 145,748 | 0 | | 17,802,560 | 591,895 | 91.03% |
| 172 | 0.008986 | 19,223,697 | 5,034,116 | 0 | | 13,679,148 | 510,433 | 91.92% |
| 111 | 0.002618 | 19,619,305 | 3,177,904 | 0 | | 16,087,358 | 354,043 | 92.19% |
| 223 | 0.002618 | 19,684,876 | 687,738 | 0 | | 18,398,291 | 598,847 | 92.45% |
| 118 | 0.002618 | 20,447,594 | 615,030 | 0 | | 19,162,803 | 669,760 | 92.71% |
| 20 | 0.002618 | 20,604,056 | 4,790,262 | 0 | | 14,979,034 | 834,760 | 92.97% |
| 83 | 0.002618 | 22,448,481 | 109,394 | 0 | | 21,749,051 | 590,036 | 93.23% |
| 140 | 0.000642 | 22,514,792 | 3,045,270 | 0 | | 18,816,104 | 653,417 | 93.30% |
| 195 | 0.002618 | 22,922,066 | 763,434 | 0 | | 21,414,044 | 744,588 | 93.56% |
| 96 | 0.006532 | 23,014,880 | 1,605,884 | 0 | | 20,700,665 | 708,331 | 94.21% |
| 216 | 0.002618 | 23,809,646 | 2,313,376 | 0 | | 20,835,483 | 660,787 | 94.47% |
| 60 | 0.008986 | 25,629,046 | 8,063,118 | 0 | | 16,857,209 | 708,719 | 95.37% |
| 28 | 0.000642 | 27,858,928 | 5,073,126 | 0 | | 22,102,854 | 682,948 | 95.44% |
| 161 | 0.000642 | 28,064,424 | 1,060,242 | 0 | | 26,306,619 | 697,563 | 95.50% |
| 229 | 0.006532 | 29,368,597 | 6,092,532 | 0 | | 22,444,585 | 831,480 | 96.15% |
| 41 | 0.002618 | 29,599,320 | 3,132,088 | 0 | | 25,709,179 | 758,053 | 96.42% |
| 146 | 0.002618 | 30,188,196 | 3,800,570 | 0 | | 25,509,018 | 878,608 | 96.68% |
| 91 | 0.000642 | 30,663,092 | 791,654 | 0 | | 29,137,847 | 733,591 | 96.74% |
| 173 | 0.006532 | 40,567,705 | 14,547,742 | 0 | | 25,368,263 | 651,701 | 97.40% |
| 112 | 0.000642 | 43,220,086 | 9,583,346 | 0 | | 33,169,350 | 467,391 | 97.46% |
| 133 | 0.000642 | 43,300,593 | 3,208,282 | 0 | | 39,297,933 | 794,378 | 97.52% |
| 224 | 0.000642 | 44,252,998 | 3,228,202 | 0 | | 40,247,425 | 777,372 | 97.59% |
| 97 | 0.002618 | 46,277,034 | 4,882,226 | 0 | | 40,499,974 | 894,833 | 97.85% |
| 84 | 0.000642 | 47,013,573 | 160,522 | 0 | | 46,078,060 | 774,992 | 97.91% |
| 119 | 0.000642 | 48,439,282 | 1,918,130 | 0 | | 45,671,908 | 849,244 | 97.98% |
| 217 | 0.000642 | 51,330,049 | 8,341,500 | 0 | | 42,138,403 | 850,145 | 98.04% |
| 21 | 0.000642 | 52,771,905 | 22,801,760 | 0 | | 28,860,835 | 1,109,310 | 98.11% |
| 196 | 0.000642 | 54,480,547 | 2,642,886 | 0 | | 50,865,407 | 972,253 | 98.17% |
| 42 | 0.000642 | 56,329,019 | 8,437,780 | 0 | | 46,934,503 | 956,736 | 98.24% |
| 61 | 0.006532 | 68,391,250 | 28,812,122 | 0 | | 38,702,779 | 876,349 | 98.89% |
| 230 | 0.002618 | 69,774,969 | 19,443,248 | 0 | | 49,275,710 | 1,056,011 | 99.15% |
| 147 | 0.000642 | 74,180,951 | 15,742,112 | 0 | | 57,298,181 | 1,140,658 | 99.21% |
| 174 | 0.002618 | 85,618,067 | 45,451,464 | 0 | | 39,367,260 | 799,343 | 99.48% |
| 98 | 0.000642 | 113,097,249 | 16,795,714 | 0 | | 95,131,680 | 1,169,855 | 99.54% |
| 62 | 0.002618 | 154,340,480 | 92,721,292 | 0 | | 60,517,274 | 1,101,914 | 99.80% |
| 231 | 0.000642 | 173,601,907 | 75,348,064 | 0 | | 96,926,653 | 1,327,189 | 99.87% |
| 175 | 0.000642 | 175,511,568 | 115,281,522 | 0 | | 59,212,415 | 1,017,631 | 99.93% |
| 63 | 0.000642 | 298,246,482 | 223,169,072 | 0 | | 73,711,587 | 1,365,823 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|-------|
| 120 | 0.000642 | 46,465 | | 0 | 0 | 4,566 | 41,898 | 0.06% |
| 204 | 0.000642 | 46,701 | | 0 | 0 | 6,260 | 40,441 | 0.13% |
| 71 | 0.000642 | 51,288 | | 0 | 0 | 5,293 | 45,995 | 0.19% |
| 239 | 0.000642 | 60,576 | | 0 | 0 | 11,763 | 48,813 | 0.26% |
| 43 | 0.000642 | 67,434 | | 0 | 0 | 11,430 | 56,005 | 0.32% |
| 176 | 0.000642 | 79,263 | | 0 | 0 | 10,871 | 68,392 | 0.39% |
| 197 | 0.000642 | 88,852 | | 0 | 0 | 13,395 | 75,457 | 0.45% |
| 64 | 0.000642 | 92,035 | | 0 | 0 | 18,025 | 74,009 | 0.51% |
| 205 | 0.002618 | 92,200 | | 0 | 0 | 28,149 | 64,052 | 0.78% |
| 50 | 0.000642 | 97,578 | | 0 | 0 | 13,860 | 83,718 | 0.84% |
| 183 | 0.000642 | 104,217 | | 0 | 0 | 26,001 | 78,216 | 0.90% |
| 148 | 0.000642 | 111,694 | | 0 | 0 | 27,064 | 84,630 | 0.97% |
| 72 | 0.002618 | 113,751 | | 0 | 0 | 37,431 | 76,320 | 1.23% |
| 240 | 0.002618 | 113,829 | | 0 | 0 | 34,912 | 78,917 | 1.49% |
| 232 | 0.000642 | 118,946 | | 0 | 0 | 24,464 | 94,482 | 1.56% |
| 162 | 0.000642 | 122,623 | | 0 | 0 | 32,054 | 90,569 | 1.62% |
| 99 | 0.000642 | 125,742 | 2,158 | 0 | 0 | 50,626 | 72,958 | 1.68% |
| 29 | 0.000642 | 129,433 | 4,648 | 0 | 0 | 34,850 | 89,934 | 1.75% |
| 1 | 0.000642 | 129,742 | 17,928 | 0 | 0 | 34,172 | 77,642 | 1.81% |
| 106 | 0.000642 | 130,457 | 0 | 0 | 0 | 54,803 | 75,653 | 1.88% |
| 206 | 0.006532 | 132,368 | 0 | 0 | 0 | 49,182 | 83,186 | 2.53% |
| 134 | 0.000642 | 136,338 | 0 | 0 | 0 | 42,648 | 93,690 | 2.59% |
| 8 | 0.000642 | 142,570 | 498 | 0 | 0 | 41,191 | 100,881 | 2.66% |
| 121 | 0.002618 | 153,704 | 3,652 | 0 | 0 | 83,243 | 66,809 | 2.92% |
| 44 | 0.002618 | 153,891 | 0 | 0 | 0 | 60,319 | 93,572 | 3.18% |
| 22 | 0.000642 | 154,443 | 4,150 | 0 | 0 | 49,596 | 100,697 | 3.25% |
| 51 | 0.002618 | 159,900 | 0 | 0 | 0 | 41,429 | 118,472 | 3.51% |
| 155 | 0.000642 | 170,007 | 0 | 0 | 0 | 47,676 | 122,331 | 3.57% |
| 100 | 0.002618 | 183,554 | 0 | 0 | 0 | 74,256 | 109,298 | 3.83% |
| 177 | 0.002618 | 188,500 | 0 | 0 | 0 | 75,024 | 113,476 | 4.10% |
| 85 | 0.000642 | 189,260 | 8,798 | 0 | 0 | 63,681 | 116,782 | 4.16% |
| 122 | 0.006532 | 192,116 | 7,968 | 0 | 0 | 94,317 | 89,832 | 4.81% |
| 163 | 0.002618 | 204,853 | 0 | 0 | 0 | 78,255 | 126,598 | 5.08% |
| 198 | 0.002618 | 214,531 | 0 | 0 | 0 | 94,372 | 120,158 | 5.34% |
| 233 | 0.002618 | 220,578 | 0 | 0 | 0 | 84,434 | 136,145 | 5.60% |
| 135 | 0.002618 | 223,395 | 0 | 0 | 0 | 90,331 | 133,064 | 5.86% |
| 241 | 0.006532 | 230,985 | 1,826 | 0 | 0 | 121,754 | 107,405 | 6.51% |
| 149 | 0.002618 | 236,892 | 7,968 | 0 | 0 | 115,628 | 113,295 | 6.78% |
| 127 | 0.000642 | 236,990 | 27,888 | 0 | 0 | 81,393 | 127,708 | 6.84% |
| 9 | 0.002618 | 249,897 | 9,794 | 0 | 0 | 94,972 | 145,131 | 7.10% |
| 211 | 0.000642 | 250,545 | 1,494 | 0 | 0 | 108,526 | 140,525 | 7.17% |
| 73 | 0.006532 | 253,624 | 0 | 0 | 0 | 150,459 | 103,165 | 7.82% |
| 184 | 0.002618 | 272,920 | 0 | 0 | 0 | 158,528 | 114,393 | 8.08% |
| 2 | 0.002618 | 274,103 | 9,960 | 0 | 0 | 152,931 | 111,212 | 8.34% |
| 45 | 0.006532 | 281,856 | 0 | 0 | 0 | 147,234 | 134,622 | 9.00% |
| 15 | 0.000642 | 296,938 | 29,216 | 0 | 0 | 85,026 | 182,696 | 9.06% |
| 66 | 0.006532 | 302,973 | 0 | 0 | 0 | 151,399 | 151,574 | 9.71% |
| 218 | 0.000642 | 308,976 | 22,576 | 0 | 0 | 153,501 | 132,900 | 9.78% |
| 190 | 0.000642 | 309,958 | 13,114 | 0 | 0 | 136,668 | 160,177 | 9.84% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|---------|---------|--------|-----------------------|---------------|----------|
| 207 | 0.008986 | 320,038 | 0 | 0 | 205,293 | 114,745 | 10.74% |
| 23 | 0.002618 | 324,560 | 21,580 | 0 | 153,387 | 149,594 | 11.00% |
| 101 | 0.006532 | 331,300 | 2,988 | 0 | 175,272 | 153,040 | 11.66% |
| 199 | 0.006532 | 335,680 | 8,466 | 0 | 167,518 | 159,696 | 12.31% |
| 65 | 0.002618 | 338,430 | 0 | 0 | 228,558 | 109,872 | 12.57% |
| 113 | 0.000642 | 341,180 | 0 | 0 | 176,000 | 165,180 | 12.63% |
| 52 | 0.006532 | 345,675 | 0 | 0 | 171,902 | 173,772 | 13.29% |
| 30 | 0.002618 | 351,166 | 1,660 | 0 | 230,340 | 119,166 | 13.55% |
| 128 | 0.002618 | 352,507 | 0 | 0 | 172,051 | 180,457 | 13.81% |
| 156 | 0.002618 | 356,193 | 2,490 | 0 | 178,624 | 175,079 | 14.07% |
| 123 | 0.008986 | 408,895 | 0 | 0 | 280,884 | 128,012 | 14.97% |
| 3 | 0.006532 | 411,887 | 996 | 0 | 242,092 | 168,799 | 15.62% |
| 150 | 0.006532 | 428,558 | 18,758 | 0 | 255,221 | 154,578 | 16.28% |
| 185 | 0.006532 | 431,309 | 3,652 | 0 | 278,478 | 149,179 | 16.93% |
| 78 | 0.000642 | 445,324 | 39,010 | 0 | 272,584 | 133,730 | 17.00% |
| 164 | 0.006532 | 451,552 | 3,154 | 0 | 279,325 | 169,074 | 17.65% |
| 86 | 0.002618 | 460,982 | 17,928 | 0 | 273,061 | 169,993 | 17.91% |
| 74 | 0.008986 | 461,455 | 9,794 | 0 | 303,885 | 147,776 | 18.81% |
| 191 | 0.002618 | 465,052 | 0 | 0 | 242,113 | 222,938 | 19.07% |
| 234 | 0.006532 | 466,140 | 0 | 0 | 280,034 | 186,106 | 19.72% |
| 136 | 0.006532 | 471,795 | 1,826 | 0 | 272,758 | 197,211 | 20.38% |
| 141 | 0.000642 | 491,851 | 68,392 | 0 | 211,081 | 212,378 | 20.44% |
| 179 | 0.008986 | 498,858 | 0 | 0 | 303,124 | 195,734 | 21.34% |
| 79 | 0.002618 | 501,548 | 2,988 | 0 | 311,799 | 186,761 | 21.60% |
| 242 | 0.008986 | 535,853 | 18,592 | 0 | 365,222 | 152,040 | 22.50% |
| 16 | 0.002618 | 539,551 | 9,296 | 0 | 266,681 | 263,574 | 22.76% |
| 24 | 0.006532 | 568,239 | 10,292 | 0 | 350,249 | 207,697 | 23.42% |
| 10 | 0.006532 | 590,872 | 7,304 | 0 | 390,770 | 192,798 | 24.07% |
| 92 | 0.000642 | 595,265 | 44,654 | 0 | 343,888 | 206,724 | 24.13% |
| 37 | 0.002618 | 619,698 | 7,968 | 0 | 361,080 | 250,650 | 24.39% |
| 67 | 0.008986 | 626,805 | 25,398 | 0 | 391,403 | 210,004 | 25.29% |
| 151 | 0.008986 | 641,566 | 0 | 0 | 431,039 | 210,526 | 26.19% |
| 212 | 0.002618 | 655,192 | 22,078 | 0 | 427,928 | 205,186 | 26.45% |
| 208 | 0.006532 | 656,433 | 7,470 | 0 | 485,914 | 163,049 | 27.11% |
| 219 | 0.002618 | 658,778 | 32,702 | 0 | 437,514 | 188,561 | 27.37% |
| 36 | 0.000642 | 687,817 | 47,310 | 0 | 470,868 | 169,640 | 27.43% |
| 200 | 0.008986 | 710,978 | 26,726 | 0 | 478,275 | 205,977 | 28.33% |
| 225 | 0.000642 | 721,928 | 67,728 | 0 | 374,651 | 279,549 | 28.40% |
| 32 | 0.008986 | 722,786 | 332 | 0 | 478,058 | 244,395 | 29.29% |
| 169 | 0.000642 | 757,442 | 115,204 | 0 | 433,972 | 208,266 | 29.36% |
| 102 | 0.008986 | 766,821 | 30,378 | 0 | 533,681 | 202,762 | 30.26% |
| 107 | 0.002618 | 803,274 | 48,140 | 0 | 639,450 | 115,684 | 30.52% |
| 31 | 0.006532 | 834,971 | 18,592 | 0 | 640,815 | 175,564 | 31.17% |
| 46 | 0.008986 | 842,457 | 19,256 | 0 | 632,686 | 190,515 | 32.07% |
| 129 | 0.006532 | 852,646 | 22,244 | 0 | 586,641 | 243,761 | 32.72% |
| 114 | 0.002618 | 878,654 | 36,022 | 0 | 612,775 | 229,858 | 32.99% |
| 186 | 0.008986 | 887,783 | 5,478 | 0 | 676,777 | 205,528 | 33.88% |
| 53 | 0.008986 | 891,175 | 19,920 | 0 | 637,478 | 233,777 | 34.78% |
| 80 | 0.006532 | 904,157 | 2,324 | 0 | 647,320 | 254,513 | 35.44% |
| 87 | 0.006532 | 906,153 | 1,660 | 0 | 677,168 | 227,325 | 36.09% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 165 | 0.008986 | 916,821 | 3,818 | 0 | 685,457 | 227,546 | 36.99% |
| 137 | 0.008986 | 1,012,262 | 24,734 | 0 | 721,785 | 265,743 | 37.89% |
| 17 | 0.006532 | 1,028,861 | 22,576 | 0 | 645,251 | 361,034 | 38.54% |
| 11 | 0.008986 | 1,131,761 | 6,308 | 0 | 868,531 | 256,922 | 39.44% |
| 157 | 0.006532 | 1,157,025 | 332 | 0 | 915,798 | 240,896 | 40.09% |
| 235 | 0.008986 | 1,163,629 | 32,868 | 0 | 860,367 | 270,394 | 40.99% |
| 93 | 0.002618 | 1,188,937 | 45,484 | 0 | 837,727 | 305,726 | 41.25% |
| 57 | 0.000642 | 1,212,795 | 164,174 | 0 | 752,743 | 295,878 | 41.32% |
| 124 | 0.006532 | 1,216,556 | 91,798 | 0 | 951,733 | 173,024 | 41.97% |
| 75 | 0.006532 | 1,258,181 | 39,176 | 0 | 1,015,134 | 203,870 | 42.62% |
| 243 | 0.006532 | 1,279,626 | 130,476 | 0 | 940,538 | 208,612 | 43.28% |
| 54 | 0.006532 | 1,314,070 | 64,740 | 0 | 941,667 | 307,663 | 43.93% |
| 38 | 0.006532 | 1,401,756 | 113,544 | 0 | 961,000 | 327,212 | 44.58% |
| 115 | 0.006532 | 1,438,961 | 72,708 | 0 | 1,066,375 | 299,878 | 45.24% |
| 88 | 0.008986 | 1,471,999 | 31,540 | 0 | 1,127,041 | 313,419 | 46.13% |
| 170 | 0.002618 | 1,539,738 | 126,824 | 0 | 1,123,900 | 289,014 | 46.40% |
| 25 | 0.008986 | 1,545,783 | 41,832 | 0 | 1,215,308 | 288,643 | 47.29% |
| 226 | 0.002618 | 1,556,623 | 105,410 | 0 | 1,056,931 | 394,282 | 47.56% |
| 220 | 0.006532 | 1,661,882 | 147,076 | 0 | 1,247,788 | 267,018 | 48.21% |
| 108 | 0.006532 | 1,712,530 | 193,556 | 0 | 1,358,433 | 160,541 | 48.86% |
| 166 | 0.006532 | 1,763,185 | 5,312 | 0 | 1,444,115 | 313,758 | 49.52% |
| 201 | 0.006532 | 1,768,430 | 54,448 | 0 | 1,427,404 | 286,578 | 50.17% |
| 178 | 0.006532 | 1,771,866 | 0 | 0 | 1,630,373 | 141,493 | 50.82% |
| 103 | 0.006532 | 1,773,486 | 14,110 | 0 | 1,476,504 | 282,872 | 51.48% |
| 142 | 0.002618 | 1,804,152 | 133,962 | 0 | 1,354,868 | 315,322 | 51.74% |
| 213 | 0.006532 | 1,806,620 | 76,526 | 0 | 1,427,086 | 303,008 | 52.39% |
| 209 | 0.002618 | 1,807,025 | 261,948 | 0 | 1,309,311 | 235,766 | 52.65% |
| 4 | 0.008986 | 1,807,370 | 89,142 | 0 | 1,492,603 | 225,625 | 53.55% |
| 68 | 0.006532 | 1,811,349 | 124,334 | 0 | 1,411,316 | 275,699 | 54.20% |
| 180 | 0.006532 | 1,832,660 | 37,184 | 0 | 1,529,249 | 266,227 | 54.86% |
| 12 | 0.006532 | 1,890,071 | 4,814 | 0 | 1,550,164 | 335,093 | 55.51% |
| 192 | 0.006532 | 1,941,140 | 129,480 | 0 | 1,494,033 | 317,627 | 56.16% |
| 143 | 0.006532 | 1,968,782 | 76,858 | 0 | 1,482,298 | 409,626 | 56.82% |
| 47 | 0.006532 | 2,013,597 | 46,480 | 0 | 1,709,033 | 258,084 | 57.47% |
| 152 | 0.006532 | 2,054,011 | 3,984 | 0 | 1,748,309 | 301,718 | 58.12% |
| 187 | 0.006532 | 2,170,427 | 39,674 | 0 | 1,854,917 | 275,837 | 58.78% |
| 76 | 0.002618 | 2,200,324 | 25,232 | 0 | 1,898,551 | 276,541 | 59.04% |
| 33 | 0.006532 | 2,262,934 | 3,818 | 0 | 1,932,562 | 326,555 | 59.69% |
| 158 | 0.008986 | 2,284,292 | 5,976 | 0 | 1,955,221 | 323,095 | 60.59% |
| 5 | 0.006532 | 2,301,292 | 17,596 | 0 | 1,973,077 | 310,619 | 61.24% |
| 125 | 0.002618 | 2,327,811 | 244,518 | 0 | 1,857,862 | 225,431 | 61.50% |
| 244 | 0.002618 | 2,367,744 | 461,812 | 0 | 1,634,280 | 271,652 | 61.77% |
| 18 | 0.008986 | 2,614,840 | 251,988 | 0 | 1,874,380 | 488,473 | 62.67% |
| 138 | 0.006532 | 2,650,874 | 100,430 | 0 | 2,189,092 | 361,352 | 63.32% |
| 109 | 0.008986 | 2,763,428 | 98,106 | 0 | 2,454,835 | 210,487 | 64.22% |
| 193 | 0.008986 | 2,792,597 | 86,652 | 0 | 2,284,108 | 421,838 | 65.12% |
| 58 | 0.002618 | 2,807,878 | 352,252 | 0 | 2,025,226 | 430,400 | 65.38% |
| 130 | 0.008986 | 2,810,379 | 111,220 | 0 | 2,373,000 | 326,159 | 66.28% |
| 236 | 0.006532 | 2,987,442 | 50,630 | 0 | 2,581,478 | 355,334 | 66.93% |
| 116 | 0.008986 | 3,101,643 | 17,928 | 0 | 2,664,157 | 419,558 | 67.83% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|------------|-----------|--------|-----------------------|---------------|----------|
| 81 | 0.008986 | 3,127,190 | 4,150 | 0 | 2,785,799 | 337,241 | 68.73% |
| 104 | 0.002618 | 3,140,218 | 12,118 | 0 | 2,740,425 | 387,675 | 68.99% |
| 221 | 0.008986 | 3,247,420 | 104,248 | 0 | 2,802,097 | 341,075 | 69.89% |
| 153 | 0.002618 | 3,385,167 | 830 | 0 | 3,000,120 | 384,217 | 70.15% |
| 159 | 0.006532 | 3,386,992 | 30,876 | 0 | 2,945,980 | 410,137 | 70.80% |
| 94 | 0.006532 | 3,397,573 | 174,964 | 0 | 2,816,318 | 406,290 | 71.45% |
| 202 | 0.002618 | 3,508,142 | 163,012 | 0 | 2,961,672 | 383,458 | 71.72% |
| 181 | 0.002618 | 3,564,133 | 98,438 | 0 | 3,095,713 | 369,982 | 71.98% |
| 89 | 0.006532 | 3,583,854 | 48,970 | 0 | 3,139,648 | 395,236 | 72.63% |
| 214 | 0.008986 | 3,739,768 | 160,522 | 0 | 3,169,627 | 409,619 | 73.53% |
| 48 | 0.002618 | 3,761,079 | 167,328 | 0 | 3,249,096 | 344,656 | 73.79% |
| 39 | 0.008986 | 3,914,630 | 148,736 | 0 | 3,331,178 | 434,715 | 74.69% |
| 55 | 0.002618 | 3,996,222 | 451,686 | 0 | 3,124,458 | 420,078 | 74.95% |
| 210 | 0.000642 | 4,129,538 | 535,682 | 0 | 3,273,470 | 320,386 | 75.02% |
| 13 | 0.002618 | 4,230,387 | 1,494 | 0 | 3,789,246 | 439,647 | 75.28% |
| 26 | 0.006532 | 4,249,745 | 298,800 | 0 | 3,566,091 | 384,854 | 75.93% |
| 34 | 0.002618 | 4,304,926 | 39,674 | 0 | 3,840,624 | 424,628 | 76.19% |
| 171 | 0.006532 | 4,394,401 | 826,514 | 0 | 3,180,434 | 387,452 | 76.85% |
| 144 | 0.008986 | 4,653,794 | 160,854 | 0 | 3,941,102 | 551,839 | 77.75% |
| 237 | 0.002618 | 4,693,999 | 39,674 | 0 | 4,176,023 | 478,302 | 78.01% |
| 227 | 0.006532 | 4,734,774 | 344,948 | 0 | 3,889,870 | 499,956 | 78.66% |
| 6 | 0.002618 | 4,856,195 | 65,736 | 0 | 4,380,392 | 410,068 | 78.92% |
| 77 | 0.000642 | 4,905,508 | 45,982 | 0 | 4,472,625 | 386,901 | 78.99% |
| 167 | 0.002618 | 4,938,688 | 26,560 | 0 | 4,477,898 | 434,230 | 79.25% |
| 126 | 0.000642 | 5,035,923 | 982,720 | 0 | 3,750,697 | 302,506 | 79.31% |
| 82 | 0.006532 | 5,291,264 | 0 | 0 | 4,855,316 | 435,948 | 79.97% |
| 131 | 0.006532 | 5,293,003 | 172,640 | 0 | 4,680,768 | 439,595 | 80.62% |
| 188 | 0.002618 | 5,321,493 | 79,182 | 0 | 4,875,092 | 367,220 | 80.88% |
| 139 | 0.002618 | 5,329,815 | 412,842 | 0 | 4,447,024 | 469,950 | 81.14% |
| 19 | 0.006532 | 6,178,527 | 818,546 | 0 | 4,720,297 | 639,684 | 81.80% |
| 69 | 0.002618 | 6,225,360 | 343,454 | 0 | 5,510,157 | 371,748 | 82.06% |
| 222 | 0.006532 | 6,242,894 | 188,742 | 0 | 5,612,160 | 441,992 | 82.71% |
| 27 | 0.002618 | 6,802,044 | 955,330 | 0 | 5,349,262 | 497,452 | 82.97% |
| 110 | 0.006532 | 7,016,909 | 635,614 | 0 | 6,113,683 | 267,612 | 83.63% |
| 95 | 0.008986 | 7,431,554 | 266,762 | 0 | 6,629,191 | 535,601 | 84.52% |
| 245 | 0.000642 | 7,490,911 | 2,497,636 | 0 | 4,612,052 | 381,223 | 84.59% |
| 49 | 0.000642 | 7,996,326 | 982,554 | 0 | 6,532,190 | 481,582 | 84.65% |
| 59 | 0.006532 | 8,397,904 | 1,610,864 | 0 | 6,241,292 | 545,747 | 85.31% |
| 90 | 0.002618 | 8,659,642 | 108,398 | 0 | 8,025,007 | 526,237 | 85.57% |
| 215 | 0.006532 | 8,819,587 | 567,388 | 0 | 7,738,528 | 513,671 | 86.22% |
| 194 | 0.006532 | 8,903,787 | 215,136 | 0 | 8,118,136 | 570,515 | 86.87% |
| 35 | 0.000642 | 8,962,104 | 179,114 | 0 | 8,193,930 | 589,060 | 86.94% |
| 160 | 0.002618 | 9,035,104 | 201,856 | 0 | 8,295,685 | 537,563 | 87.20% |
| 56 | 0.000642 | 9,185,339 | 2,514,070 | 0 | 6,120,628 | 550,641 | 87.26% |
| 182 | 0.000642 | 9,393,253 | 427,450 | 0 | 8,462,606 | 503,197 | 87.33% |
| 105 | 0.000642 | 9,749,776 | 189,074 | 0 | 9,034,087 | 526,615 | 87.39% |
| 117 | 0.006532 | 9,911,557 | 31,706 | 0 | 9,360,489 | 519,362 | 88.05% |
| 145 | 0.006532 | 10,099,119 | 739,032 | 0 | 8,676,974 | 683,113 | 88.70% |
| 238 | 0.000642 | 10,171,976 | 68,724 | 0 | 9,466,485 | 636,767 | 88.76% |
| 40 | 0.006532 | 10,248,475 | 813,732 | 0 | 8,851,459 | 583,283 | 89.42% |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-------------|------------|---------------|----------|
| 7 | 0.000642 | 10,296,957 | 112,880 | 0 | | 9,648,162 | 535,916 | 89.48% |
| 228 | 0.008986 | 10,658,320 | 1,674,940 | 0 | | 8,324,872 | 658,509 | 90.38% |
| 203 | 0.000642 | 10,907,339 | 1,461,464 | 0 | | 8,915,898 | 529,977 | 90.44% |
| 189 | 0.000642 | 10,943,865 | 84,162 | 0 | | 10,335,820 | 523,883 | 90.51% |
| 168 | 0.000642 | 11,009,466 | 187,912 | 0 | | 10,244,993 | 576,561 | 90.57% |
| 14 | 0.000642 | 11,326,403 | 132,302 | 0 | | 10,631,453 | 562,648 | 90.64% |
| 70 | 0.000642 | 11,339,985 | 1,507,944 | 0 | | 9,336,004 | 496,037 | 90.70% |
| 154 | 0.000642 | 11,621,957 | 53,120 | 0 | | 11,038,503 | 530,334 | 90.76% |
| 132 | 0.002618 | 11,860,476 | 365,698 | 0 | | 10,909,014 | 585,764 | 91.03% |
| 223 | 0.002618 | 12,316,246 | 521,240 | 0 | | 11,216,808 | 578,198 | 91.29% |
| 172 | 0.008986 | 12,476,303 | 3,330,126 | 0 | | 8,645,976 | 500,201 | 92.19% |
| 118 | 0.002618 | 13,594,889 | 327,518 | 0 | | 12,614,741 | 652,630 | 92.45% |
| 111 | 0.002618 | 14,561,971 | 2,607,528 | 0 | | 11,603,008 | 351,434 | 92.71% |
| 195 | 0.002618 | 15,507,765 | 464,966 | 0 | | 14,318,024 | 724,776 | 92.97% |
| 20 | 0.002618 | 15,700,940 | 3,614,816 | 0 | | 11,243,271 | 842,853 | 93.23% |
| 83 | 0.002618 | 15,720,637 | 21,248 | 0 | | 15,127,669 | 571,720 | 93.50% |
| 140 | 0.000642 | 16,408,933 | 2,214,274 | 0 | | 13,559,387 | 635,272 | 93.56% |
| 216 | 0.002618 | 16,748,959 | 1,744,992 | 0 | | 14,352,740 | 651,227 | 93.82% |
| 96 | 0.006532 | 17,541,288 | 1,043,808 | 0 | | 15,787,045 | 710,435 | 94.47% |
| 28 | 0.000642 | 17,806,745 | 3,469,566 | 0 | | 13,640,966 | 696,213 | 94.54% |
| 41 | 0.002618 | 19,518,000 | 1,838,450 | 0 | | 16,932,756 | 746,794 | 94.80% |
| 91 | 0.000642 | 20,096,526 | 591,292 | 0 | | 18,776,975 | 728,259 | 94.86% |
| 60 | 0.008986 | 20,428,843 | 6,864,100 | 0 | | 12,856,883 | 707,860 | 95.76% |
| 161 | 0.000642 | 22,249,161 | 730,732 | 0 | | 20,806,961 | 711,468 | 95.83% |
| 146 | 0.002618 | 23,702,639 | 2,964,926 | 0 | | 19,863,637 | 874,075 | 96.09% |
| 229 | 0.006532 | 24,917,294 | 5,186,172 | 0 | | 18,903,921 | 827,200 | 96.74% |
| 133 | 0.000642 | 26,849,547 | 2,319,186 | 0 | | 23,758,095 | 772,266 | 96.81% |
| 173 | 0.006532 | 30,201,582 | 11,052,944 | 0 | | 18,504,655 | 643,983 | 97.46% |
| 112 | 0.000642 | 32,402,814 | 7,869,894 | 0 | | 24,073,814 | 459,106 | 97.52% |
| 84 | 0.000642 | 32,700,721 | 319,716 | 0 | | 31,633,576 | 747,429 | 97.59% |
| 224 | 0.000642 | 33,416,283 | 2,199,998 | 0 | | 30,445,426 | 770,860 | 97.65% |
| 119 | 0.000642 | 38,760,524 | 1,560,732 | 0 | | 36,346,313 | 853,479 | 97.72% |
| 21 | 0.000642 | 38,862,374 | 16,019,830 | 0 | | 21,734,527 | 1,108,017 | 97.78% |
| 196 | 0.000642 | 38,984,936 | 1,840,608 | 0 | | 36,160,712 | 983,616 | 97.85% |
| 97 | 0.002618 | 39,203,079 | 3,477,866 | 0 | | 34,815,962 | 909,251 | 98.11% |
| 217 | 0.000642 | 41,780,042 | 6,637,344 | 0 | | 34,248,253 | 894,444 | 98.17% |
| 61 | 0.006532 | 48,045,271 | 20,719,622 | 0 | | 26,442,040 | 883,609 | 98.82% |
| 230 | 0.002618 | 50,432,678 | 13,472,560 | 0 | | 35,931,715 | 1,028,403 | 99.09% |
| 42 | 0.000642 | 51,898,883 | 7,591,346 | 0 | | 43,322,157 | 985,381 | 99.15% |
| 147 | 0.000642 | 60,347,610 | 14,261,392 | 0 | | 44,954,842 | 1,131,377 | 99.21% |
| 174 | 0.002618 | 68,073,022 | 37,601,988 | 0 | | 29,663,229 | 807,804 | 99.48% |
| 98 | 0.000642 | 86,101,238 | 14,557,536 | 0 | | 70,357,982 | 1,185,720 | 99.54% |
| 62 | 0.002618 | 119,028,541 | 75,097,404 | 0 | | 42,843,251 | 1,087,886 | 99.80% |
| 231 | 0.000642 | 124,939,674 | 59,749,708 | 0 | | 63,888,692 | 1,301,274 | 99.87% |
| 175 | 0.000642 | 144,189,307 | 101,690,770 | 0 | | 41,500,580 | 997,957 | 99.93% |
| 63 | 0.000642 | 255,354,723 | 195,439,768 | 0 | | 58,529,176 | 1,385,779 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|-------|
| 204 | 0.000642 | 47,322 | | 0 | 0 | 4,610 | 42,712 | 0.06% |
| 120 | 0.000642 | 51,734 | | 0 | 0 | 7,737 | 43,997 | 0.13% |
| 71 | 0.000642 | 55,382 | | 0 | 0 | 4,193 | 51,190 | 0.19% |
| 239 | 0.000642 | 61,517 | | 0 | 0 | 8,804 | 52,713 | 0.26% |
| 43 | 0.000642 | 72,681 | | 0 | 0 | 8,917 | 63,765 | 0.32% |
| 176 | 0.000642 | 81,888 | | 0 | 0 | 12,276 | 69,612 | 0.39% |
| 99 | 0.000642 | 82,991 | | 0 | 0 | 11,386 | 71,606 | 0.45% |
| 205 | 0.002618 | 84,368 | | 0 | 0 | 23,413 | 60,955 | 0.71% |
| 197 | 0.000642 | 87,179 | | 0 | 0 | 9,162 | 78,018 | 0.78% |
| 121 | 0.002618 | 87,340 | | 0 | 0 | 22,392 | 64,948 | 1.04% |
| 50 | 0.000642 | 90,041 | | 0 | 0 | 6,226 | 83,815 | 1.10% |
| 183 | 0.000642 | 96,895 | | 0 | 0 | 20,414 | 76,480 | 1.17% |
| 1 | 0.000642 | 97,142 | | 0 | 0 | 17,755 | 79,387 | 1.23% |
| 162 | 0.000642 | 98,892 | | 0 | 0 | 14,146 | 84,746 | 1.29% |
| 72 | 0.002618 | 100,450 | | 0 | 0 | 21,266 | 79,183 | 1.56% |
| 148 | 0.000642 | 100,801 | 2,656 | 0 | 0 | 19,258 | 78,888 | 1.62% |
| 134 | 0.000642 | 106,138 | 1,328 | 0 | 0 | 11,822 | 92,987 | 1.68% |
| 232 | 0.000642 | 106,156 | 0 | 0 | 0 | 11,722 | 94,434 | 1.75% |
| 29 | 0.000642 | 112,628 | 0 | 0 | 0 | 18,937 | 93,691 | 1.81% |
| 240 | 0.002618 | 115,248 | 0 | 0 | 0 | 34,203 | 81,044 | 2.07% |
| 64 | 0.000642 | 131,519 | 0 | 0 | 0 | 53,962 | 77,556 | 2.14% |
| 22 | 0.000642 | 132,374 | 996 | 0 | 0 | 27,699 | 103,679 | 2.20% |
| 206 | 0.006532 | 134,259 | 0 | 0 | 0 | 44,313 | 89,946 | 2.86% |
| 100 | 0.002618 | 135,681 | 0 | 0 | 0 | 26,142 | 109,539 | 3.12% |
| 106 | 0.000642 | 136,766 | 5,312 | 0 | 0 | 48,288 | 83,165 | 3.18% |
| 8 | 0.000642 | 140,755 | 0 | 0 | 0 | 35,608 | 105,147 | 3.25% |
| 44 | 0.002618 | 143,126 | 0 | 0 | 0 | 43,353 | 99,772 | 3.51% |
| 177 | 0.002618 | 147,043 | 0 | 0 | 0 | 36,549 | 110,493 | 3.77% |
| 198 | 0.002618 | 156,404 | 0 | 0 | 0 | 45,391 | 111,013 | 4.03% |
| 51 | 0.002618 | 160,365 | 0 | 0 | 0 | 38,768 | 121,597 | 4.29% |
| 85 | 0.000642 | 160,630 | 0 | 0 | 0 | 38,441 | 122,190 | 4.36% |
| 127 | 0.000642 | 164,171 | 0 | 0 | 0 | 44,103 | 120,068 | 4.42% |
| 122 | 0.006532 | 165,518 | 4,316 | 0 | 0 | 64,559 | 96,643 | 5.08% |
| 184 | 0.002618 | 170,922 | 0 | 0 | 0 | 61,609 | 109,313 | 5.34% |
| 241 | 0.006532 | 171,913 | 0 | 0 | 0 | 65,935 | 105,979 | 5.99% |
| 155 | 0.000642 | 181,937 | 0 | 0 | 0 | 48,707 | 133,230 | 6.05% |
| 149 | 0.002618 | 192,920 | 14,774 | 0 | 0 | 63,605 | 114,541 | 6.32% |
| 65 | 0.002618 | 206,337 | 0 | 0 | 0 | 89,019 | 117,318 | 6.58% |
| 233 | 0.002618 | 208,583 | 332 | 0 | 0 | 68,829 | 139,422 | 6.84% |
| 135 | 0.002618 | 210,663 | 0 | 0 | 0 | 67,690 | 142,973 | 7.10% |
| 23 | 0.002618 | 213,272 | 3,984 | 0 | 0 | 55,175 | 154,113 | 7.36% |
| 218 | 0.000642 | 213,615 | 29,548 | 0 | 0 | 53,536 | 130,531 | 7.43% |
| 2 | 0.002618 | 215,975 | 4,980 | 0 | 0 | 92,542 | 118,453 | 7.69% |
| 190 | 0.000642 | 220,764 | 1,328 | 0 | 0 | 60,324 | 159,112 | 7.75% |
| 211 | 0.000642 | 228,855 | 2,656 | 0 | 0 | 67,680 | 158,519 | 7.82% |
| 163 | 0.002618 | 239,904 | 9,794 | 0 | 0 | 92,867 | 137,242 | 8.08% |
| 9 | 0.002618 | 247,730 | 0 | 0 | 0 | 92,505 | 155,225 | 8.34% |
| 107 | 0.002618 | 252,553 | 7,636 | 0 | 0 | 129,633 | 115,284 | 8.60% |
| 30 | 0.002618 | 257,052 | 0 | 0 | 0 | 125,208 | 131,844 | 8.86% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|
| 52 | 0.006532 | 266,344 | 5,478 | 0 | 90,952 | 169,914 | 9.52% |
| 113 | 0.000642 | 266,464 | 0 | 0 | 88,559 | 177,904 | 9.58% |
| 15 | 0.000642 | 271,391 | 11,122 | 0 | 73,525 | 186,744 | 9.65% |
| 101 | 0.006532 | 274,984 | 0 | 0 | 115,325 | 159,659 | 10.30% |
| 178 | 0.006532 | 277,287 | 12,284 | 0 | 108,735 | 156,268 | 10.95% |
| 45 | 0.006532 | 280,895 | 0 | 0 | 147,122 | 133,773 | 11.61% |
| 199 | 0.006532 | 305,413 | 0 | 0 | 141,687 | 163,726 | 12.26% |
| 128 | 0.002618 | 315,409 | 0 | 0 | 135,304 | 180,105 | 12.52% |
| 36 | 0.000642 | 320,604 | 19,256 | 0 | 125,468 | 175,880 | 12.59% |
| 219 | 0.002618 | 333,407 | 830 | 0 | 146,059 | 186,518 | 12.85% |
| 10 | 0.006532 | 334,047 | 0 | 0 | 139,922 | 194,124 | 13.50% |
| 3 | 0.006532 | 341,430 | 10,790 | 0 | 164,835 | 165,806 | 14.15% |
| 207 | 0.008986 | 341,450 | 0 | 0 | 207,487 | 133,962 | 15.05% |
| 79 | 0.002618 | 342,569 | 0 | 0 | 150,174 | 192,395 | 15.31% |
| 234 | 0.006532 | 349,514 | 0 | 0 | 155,668 | 193,846 | 15.97% |
| 86 | 0.002618 | 351,145 | 14,110 | 0 | 162,859 | 174,176 | 16.23% |
| 92 | 0.000642 | 353,121 | 0 | 0 | 141,516 | 211,605 | 16.29% |
| 78 | 0.000642 | 362,883 | 0 | 0 | 218,413 | 144,470 | 16.36% |
| 141 | 0.000642 | 366,024 | 41,666 | 0 | 113,144 | 211,214 | 16.42% |
| 185 | 0.006532 | 367,704 | 16,600 | 0 | 197,049 | 154,055 | 17.07% |
| 123 | 0.008986 | 377,250 | 23,738 | 0 | 224,679 | 128,833 | 17.97% |
| 136 | 0.006532 | 377,367 | 332 | 0 | 180,566 | 196,469 | 18.63% |
| 164 | 0.006532 | 379,157 | 0 | 0 | 205,471 | 173,685 | 19.28% |
| 156 | 0.002618 | 386,178 | 0 | 0 | 198,270 | 187,908 | 19.54% |
| 242 | 0.008986 | 396,274 | 1,992 | 0 | 243,154 | 151,128 | 20.44% |
| 16 | 0.002618 | 429,397 | 8,964 | 0 | 151,396 | 269,037 | 20.70% |
| 191 | 0.002618 | 461,124 | 24,402 | 0 | 198,965 | 237,758 | 20.96% |
| 53 | 0.008986 | 473,739 | 830 | 0 | 235,302 | 237,608 | 21.86% |
| 150 | 0.006532 | 475,156 | 21,746 | 0 | 282,816 | 170,594 | 22.52% |
| 24 | 0.006532 | 485,105 | 14,608 | 0 | 257,352 | 213,145 | 23.17% |
| 114 | 0.002618 | 506,483 | 0 | 0 | 273,620 | 232,863 | 23.43% |
| 31 | 0.006532 | 512,503 | 26,560 | 0 | 291,794 | 194,149 | 24.08% |
| 37 | 0.002618 | 512,682 | 15,770 | 0 | 247,322 | 249,590 | 24.35% |
| 212 | 0.002618 | 544,601 | 31,374 | 0 | 292,193 | 221,034 | 24.61% |
| 129 | 0.006532 | 546,457 | 0 | 0 | 298,449 | 248,008 | 25.26% |
| 74 | 0.008986 | 547,953 | 3,486 | 0 | 388,750 | 155,717 | 26.16% |
| 179 | 0.008986 | 548,124 | 0 | 0 | 336,859 | 211,264 | 27.06% |
| 73 | 0.006532 | 552,395 | 72,376 | 0 | 373,616 | 106,403 | 27.71% |
| 102 | 0.008986 | 560,538 | 166 | 0 | 350,845 | 209,528 | 28.61% |
| 87 | 0.006532 | 566,277 | 8,632 | 0 | 322,908 | 234,736 | 29.26% |
| 157 | 0.006532 | 587,779 | 4,482 | 0 | 331,010 | 252,287 | 29.92% |
| 186 | 0.008986 | 599,816 | 5,478 | 0 | 382,289 | 212,049 | 30.81% |
| 46 | 0.008986 | 607,654 | 35,524 | 0 | 377,633 | 194,497 | 31.71% |
| 67 | 0.008986 | 630,454 | 1,328 | 0 | 422,048 | 207,078 | 32.61% |
| 225 | 0.000642 | 637,122 | 50,464 | 0 | 304,107 | 282,551 | 32.68% |
| 124 | 0.006532 | 639,918 | 31,706 | 0 | 433,979 | 174,233 | 33.33% |
| 66 | 0.006532 | 640,555 | 0 | 0 | 471,287 | 169,269 | 33.98% |
| 169 | 0.000642 | 648,638 | 45,650 | 0 | 381,970 | 221,018 | 34.05% |
| 137 | 0.008986 | 653,925 | 2,324 | 0 | 378,356 | 273,246 | 34.95% |
| 151 | 0.008986 | 700,267 | 19,588 | 0 | 455,410 | 225,269 | 35.84% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | Sinclair |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|----------|
| 142 | 0.002618 | 719,830 | 38,346 | 0 | 383,061 | 298,423 | 36.11% | |
| 208 | 0.006532 | 763,776 | 35,524 | 0 | 557,310 | 170,942 | 36.76% | |
| 108 | 0.006532 | 775,813 | 22,576 | 0 | 592,327 | 160,911 | 37.41% | |
| 200 | 0.008986 | 777,082 | 17,596 | 0 | 542,043 | 217,442 | 38.31% | |
| 165 | 0.008986 | 790,837 | 0 | 0 | 540,955 | 249,882 | 39.21% | |
| 17 | 0.006532 | 801,320 | 21,082 | 0 | 418,843 | 361,395 | 39.86% | |
| 11 | 0.008986 | 817,098 | 6,640 | 0 | 548,900 | 261,558 | 40.76% | |
| 57 | 0.000642 | 817,602 | 49,634 | 0 | 449,929 | 318,039 | 40.83% | |
| 93 | 0.002618 | 840,958 | 36,686 | 0 | 500,873 | 303,399 | 41.09% | |
| 235 | 0.008986 | 853,697 | 0 | 0 | 578,985 | 274,712 | 41.99% | |
| 80 | 0.006532 | 883,288 | 14,608 | 0 | 603,118 | 265,563 | 42.64% | |
| 32 | 0.008986 | 890,152 | 23,074 | 0 | 612,557 | 254,520 | 43.54% | |
| 209 | 0.002618 | 932,036 | 63,246 | 0 | 644,759 | 224,031 | 43.80% | |
| 220 | 0.006532 | 943,237 | 37,350 | 0 | 639,622 | 266,265 | 44.45% | |
| 115 | 0.006532 | 946,900 | 11,620 | 0 | 628,994 | 306,286 | 45.11% | |
| 243 | 0.006532 | 978,513 | 161,850 | 0 | 606,745 | 209,917 | 45.76% | |
| 88 | 0.008986 | 1,000,633 | 9,628 | 0 | 669,500 | 321,505 | 46.66% | |
| 47 | 0.006532 | 1,021,711 | 85,324 | 0 | 675,430 | 260,957 | 47.31% | |
| 4 | 0.008986 | 1,036,528 | 0 | 0 | 812,773 | 223,755 | 48.21% | |
| 103 | 0.006532 | 1,153,843 | 15,770 | 0 | 841,499 | 296,574 | 48.86% | |
| 152 | 0.006532 | 1,195,962 | 11,288 | 0 | 899,834 | 284,840 | 49.52% | |
| 54 | 0.006532 | 1,226,489 | 44,488 | 0 | 866,934 | 315,068 | 50.17% | |
| 170 | 0.002618 | 1,238,793 | 80,012 | 0 | 863,944 | 294,837 | 50.43% | |
| 38 | 0.006532 | 1,245,522 | 41,998 | 0 | 867,878 | 335,646 | 51.08% | |
| 75 | 0.006532 | 1,277,506 | 41,998 | 0 | 1,025,751 | 209,757 | 51.74% | |
| 192 | 0.006532 | 1,300,981 | 6,142 | 0 | 978,654 | 316,186 | 52.39% | |
| 76 | 0.002618 | 1,376,408 | 6,806 | 0 | 1,090,305 | 279,297 | 52.65% | |
| 5 | 0.006532 | 1,385,924 | 0 | 0 | 1,067,794 | 318,129 | 53.31% | |
| 143 | 0.006532 | 1,392,450 | 38,844 | 0 | 952,747 | 400,859 | 53.96% | |
| 201 | 0.006532 | 1,412,060 | 66,400 | 0 | 1,050,281 | 295,379 | 54.61% | |
| 130 | 0.008986 | 1,418,408 | 65,736 | 0 | 1,018,619 | 334,052 | 55.51% | |
| 226 | 0.002618 | 1,419,524 | 94,288 | 0 | 944,592 | 380,644 | 55.77% | |
| 12 | 0.006532 | 1,421,417 | 0 | 0 | 1,087,296 | 334,122 | 56.43% | |
| 25 | 0.008986 | 1,476,168 | 44,322 | 0 | 1,139,095 | 292,750 | 57.32% | |
| 68 | 0.006532 | 1,479,694 | 15,604 | 0 | 1,194,354 | 269,737 | 57.98% | |
| 213 | 0.006532 | 1,489,305 | 46,148 | 0 | 1,143,858 | 299,299 | 58.63% | |
| 180 | 0.006532 | 1,507,252 | 34,860 | 0 | 1,194,803 | 277,589 | 59.28% | |
| 158 | 0.008986 | 1,599,060 | 1,494 | 0 | 1,261,825 | 335,741 | 60.18% | |
| 187 | 0.006532 | 1,603,108 | 14,110 | 0 | 1,308,666 | 280,332 | 60.84% | |
| 166 | 0.006532 | 1,628,063 | 21,082 | 0 | 1,286,652 | 320,329 | 61.49% | |
| 81 | 0.008986 | 1,657,456 | 0 | 0 | 1,316,726 | 340,731 | 62.39% | |
| 236 | 0.006532 | 1,663,533 | 30,212 | 0 | 1,268,389 | 364,931 | 63.04% | |
| 221 | 0.008986 | 1,670,702 | 39,840 | 0 | 1,301,387 | 329,475 | 63.94% | |
| 125 | 0.002618 | 1,679,921 | 197,706 | 0 | 1,254,102 | 228,113 | 64.20% | |
| 33 | 0.006532 | 1,720,135 | 29,216 | 0 | 1,347,447 | 343,472 | 64.85% | |
| 244 | 0.002618 | 1,839,876 | 306,104 | 0 | 1,253,889 | 279,882 | 65.12% | |
| 138 | 0.006532 | 1,873,444 | 55,278 | 0 | 1,458,298 | 359,868 | 65.77% | |
| 18 | 0.008986 | 1,974,267 | 80,676 | 0 | 1,397,418 | 496,174 | 66.67% | |
| 193 | 0.008986 | 2,022,273 | 49,966 | 0 | 1,534,668 | 437,640 | 67.57% | |
| 227 | 0.006532 | 2,172,895 | 118,524 | 0 | 1,552,245 | 502,126 | 68.22% | |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | Sinclair |
|------|----------|-----------|-----------|--------|-----------------------|---------------|----------|----------|
| 58 | 0.002618 | 2,271,445 | 308,760 | 0 | 1,549,354 | 413,331 | 68.48% | |
| 55 | 0.002618 | 2,350,411 | 394,250 | 0 | 1,532,210 | 423,952 | 68.74% | |
| 109 | 0.008986 | 2,365,799 | 174,964 | 0 | 1,976,970 | 213,865 | 69.64% | |
| 181 | 0.002618 | 2,480,296 | 136,452 | 0 | 1,974,961 | 368,883 | 69.90% | |
| 188 | 0.002618 | 2,490,524 | 996 | 0 | 2,122,009 | 367,519 | 70.16% | |
| 6 | 0.002618 | 2,568,891 | 34,694 | 0 | 2,122,865 | 411,332 | 70.43% | |
| 34 | 0.002618 | 2,631,472 | 21,248 | 0 | 2,173,061 | 437,163 | 70.69% | |
| 202 | 0.002618 | 2,666,726 | 136,950 | 0 | 2,138,201 | 391,574 | 70.95% | |
| 214 | 0.008986 | 2,685,435 | 94,620 | 0 | 2,191,843 | 398,972 | 71.85% | |
| 104 | 0.002618 | 2,761,039 | 18,260 | 0 | 2,349,746 | 393,033 | 72.11% | |
| 26 | 0.006532 | 2,777,058 | 271,576 | 0 | 2,119,065 | 386,417 | 72.76% | |
| 94 | 0.006532 | 2,828,441 | 249,166 | 0 | 2,176,878 | 402,397 | 73.42% | |
| 48 | 0.002618 | 2,882,487 | 155,210 | 0 | 2,385,056 | 342,222 | 73.68% | |
| 159 | 0.006532 | 2,912,717 | 18,592 | 0 | 2,460,572 | 433,553 | 74.33% | |
| 210 | 0.000642 | 3,033,887 | 408,194 | 0 | 2,296,927 | 328,766 | 74.40% | |
| 89 | 0.006532 | 3,156,004 | 52,788 | 0 | 2,680,526 | 422,690 | 75.05% | |
| 144 | 0.008986 | 3,276,516 | 89,142 | 0 | 2,656,185 | 531,189 | 75.95% | |
| 77 | 0.000642 | 3,320,396 | 33,034 | 0 | 2,906,218 | 381,144 | 76.01% | |
| 116 | 0.008986 | 3,350,535 | 9,462 | 0 | 2,926,228 | 414,845 | 76.91% | |
| 237 | 0.002618 | 3,360,531 | 24,236 | 0 | 2,857,459 | 478,835 | 77.17% | |
| 167 | 0.002618 | 3,387,801 | 19,588 | 0 | 2,928,973 | 439,240 | 77.43% | |
| 171 | 0.006532 | 3,448,836 | 689,232 | 0 | 2,359,687 | 399,917 | 78.09% | |
| 131 | 0.006532 | 3,566,337 | 66,068 | 0 | 3,043,115 | 457,155 | 78.74% | |
| 69 | 0.002618 | 3,623,773 | 250,826 | 0 | 2,998,825 | 374,123 | 79.00% | |
| 39 | 0.008986 | 3,666,462 | 117,860 | 0 | 3,098,307 | 450,295 | 79.90% | |
| 153 | 0.002618 | 3,802,362 | 22,410 | 0 | 3,380,593 | 399,359 | 80.16% | |
| 126 | 0.000642 | 3,805,373 | 823,194 | 0 | 2,673,124 | 309,055 | 80.23% | |
| 110 | 0.006532 | 3,951,537 | 380,472 | 0 | 3,290,722 | 280,344 | 80.88% | |
| 13 | 0.002618 | 4,150,767 | 58,100 | 0 | 3,643,421 | 449,246 | 81.14% | |
| 19 | 0.006532 | 4,301,253 | 594,612 | 0 | 3,049,711 | 656,930 | 81.80% | |
| 222 | 0.006532 | 4,563,455 | 90,968 | 0 | 4,025,714 | 446,773 | 82.45% | |
| 82 | 0.006532 | 4,854,962 | 14,442 | 0 | 4,401,165 | 439,355 | 83.10% | |
| 59 | 0.006532 | 5,056,069 | 1,020,402 | 0 | 3,485,531 | 550,136 | 83.76% | |
| 182 | 0.000642 | 5,201,051 | 209,160 | 0 | 4,495,290 | 496,601 | 83.82% | |
| 245 | 0.000642 | 5,545,397 | 2,047,776 | 0 | 3,123,721 | 373,900 | 83.88% | |
| 194 | 0.006532 | 5,659,247 | 41,500 | 0 | 5,055,678 | 562,069 | 84.54% | |
| 49 | 0.000642 | 5,722,425 | 552,448 | 0 | 4,676,425 | 493,552 | 84.60% | |
| 27 | 0.002618 | 5,859,849 | 777,046 | 0 | 4,568,081 | 514,722 | 84.86% | |
| 117 | 0.006532 | 6,053,088 | 75,530 | 0 | 5,453,040 | 524,518 | 85.52% | |
| 139 | 0.002618 | 6,135,129 | 430,604 | 0 | 5,206,390 | 498,135 | 85.78% | |
| 40 | 0.006532 | 6,242,958 | 420,312 | 0 | 5,254,944 | 567,702 | 86.43% | |
| 95 | 0.008986 | 6,611,636 | 257,300 | 0 | 5,798,401 | 555,935 | 87.33% | |
| 14 | 0.000642 | 6,636,615 | 40,172 | 0 | 6,021,265 | 575,178 | 87.39% | |
| 215 | 0.006532 | 6,780,738 | 719,942 | 0 | 5,537,363 | 523,433 | 88.05% | |
| 160 | 0.002618 | 6,890,379 | 78,518 | 0 | 6,253,766 | 558,096 | 88.31% | |
| 228 | 0.008986 | 6,923,460 | 854,734 | 0 | 5,424,109 | 644,617 | 89.21% | |
| 90 | 0.002618 | 7,009,292 | 120,184 | 0 | 6,331,886 | 557,222 | 89.47% | |
| 203 | 0.000642 | 7,142,878 | 958,816 | 0 | 5,653,936 | 530,126 | 89.53% | |
| 7 | 0.000642 | 7,218,029 | 54,448 | 0 | 6,608,964 | 554,617 | 89.60% | |
| 56 | 0.000642 | 7,421,482 | 1,729,720 | 0 | 5,134,973 | 556,789 | 89.66% | |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 35 | 0.000642 | 7,638,888 | 229,246 | 0 | 6,820,471 | 589,171 | 89.73% |
| 132 | 0.002618 | 7,787,088 | 354,742 | 0 | 6,852,192 | 580,155 | 89.99% |
| 238 | 0.000642 | 8,048,520 | 140,436 | 0 | 7,247,585 | 660,500 | 90.05% |
| 168 | 0.000642 | 8,114,888 | 93,458 | 0 | 7,413,899 | 607,532 | 90.12% |
| 189 | 0.000642 | 8,258,614 | 80,012 | 0 | 7,668,204 | 510,398 | 90.18% |
| 70 | 0.000642 | 8,360,418 | 954,500 | 0 | 6,894,956 | 510,962 | 90.24% |
| 105 | 0.000642 | 8,645,100 | 254,644 | 0 | 7,863,879 | 526,577 | 90.31% |
| 154 | 0.000642 | 9,504,155 | 128,650 | 0 | 8,839,489 | 536,016 | 90.37% |
| 145 | 0.006532 | 9,544,946 | 765,094 | 0 | 8,090,566 | 689,287 | 91.03% |
| 20 | 0.002618 | 9,605,081 | 1,990,174 | 0 | 6,762,660 | 852,247 | 91.29% |
| 172 | 0.008986 | 9,621,422 | 2,655,170 | 0 | 6,455,248 | 511,004 | 92.19% |
| 195 | 0.002618 | 10,362,642 | 318,720 | 0 | 9,307,055 | 736,867 | 92.45% |
| 223 | 0.002618 | 11,062,025 | 418,154 | 0 | 10,048,673 | 595,198 | 92.71% |
| 140 | 0.000642 | 11,253,698 | 1,319,202 | 0 | 9,287,374 | 647,122 | 92.77% |
| 96 | 0.006532 | 12,134,633 | 975,582 | 0 | 10,454,801 | 704,250 | 93.43% |
| 216 | 0.002618 | 12,443,208 | 1,544,132 | 0 | 10,224,480 | 674,596 | 93.69% |
| 28 | 0.000642 | 12,956,324 | 2,668,616 | 0 | 9,603,715 | 683,993 | 93.75% |
| 83 | 0.002618 | 13,245,506 | 168,158 | 0 | 12,505,599 | 571,749 | 94.02% |
| 118 | 0.002618 | 13,448,415 | 363,540 | 0 | 12,417,230 | 667,645 | 94.28% |
| 91 | 0.000642 | 13,626,547 | 221,278 | 0 | 12,699,472 | 705,797 | 94.34% |
| 60 | 0.008986 | 13,671,901 | 4,974,522 | 0 | 8,013,433 | 683,946 | 95.24% |
| 111 | 0.002618 | 14,110,850 | 2,334,790 | 0 | 11,413,037 | 363,023 | 95.50% |
| 41 | 0.002618 | 14,770,678 | 1,553,428 | 0 | 12,465,814 | 751,436 | 95.76% |
| 161 | 0.000642 | 15,979,358 | 345,778 | 0 | 14,913,028 | 720,552 | 95.83% |
| 146 | 0.002618 | 17,639,823 | 2,455,472 | 0 | 14,298,004 | 886,347 | 96.09% |
| 133 | 0.000642 | 18,715,199 | 1,667,636 | 0 | 16,278,334 | 769,229 | 96.15% |
| 229 | 0.006532 | 19,870,849 | 4,332,102 | 0 | 14,698,874 | 839,873 | 96.81% |
| 173 | 0.006532 | 21,849,181 | 8,433,962 | 0 | 12,776,506 | 638,714 | 97.46% |
| 224 | 0.000642 | 23,827,022 | 1,744,826 | 0 | 21,346,894 | 735,302 | 97.52% |
| 84 | 0.000642 | 24,031,271 | 37,516 | 0 | 23,239,895 | 753,860 | 97.59% |
| 97 | 0.002618 | 25,157,284 | 2,598,066 | 0 | 21,674,186 | 885,032 | 97.85% |
| 112 | 0.000642 | 25,554,723 | 6,455,574 | 0 | 18,626,559 | 472,590 | 97.91% |
| 21 | 0.000642 | 27,151,102 | 11,128,640 | 0 | 14,887,369 | 1,135,093 | 97.98% |
| 119 | 0.000642 | 28,388,663 | 1,494,996 | 0 | 26,030,733 | 862,934 | 98.04% |
| 217 | 0.000642 | 29,545,582 | 4,951,946 | 0 | 23,700,209 | 893,427 | 98.11% |
| 196 | 0.000642 | 32,270,663 | 1,931,576 | 0 | 29,365,782 | 973,306 | 98.17% |
| 230 | 0.002618 | 34,510,087 | 10,480,742 | 0 | 22,982,212 | 1,047,133 | 98.43% |
| 42 | 0.000642 | 37,682,301 | 5,494,268 | 0 | 31,191,773 | 996,260 | 98.50% |
| 61 | 0.006532 | 39,886,803 | 17,403,938 | 0 | 21,589,362 | 893,503 | 99.15% |
| 147 | 0.000642 | 46,139,558 | 11,336,970 | 0 | 33,681,874 | 1,120,714 | 99.21% |
| 174 | 0.002618 | 54,165,301 | 32,224,418 | 0 | 21,133,674 | 807,209 | 99.48% |
| 98 | 0.000642 | 65,033,305 | 10,267,598 | 0 | 53,594,029 | 1,171,678 | 99.54% |
| 62 | 0.002618 | 96,874,093 | 62,357,402 | 0 | 33,439,084 | 1,077,607 | 99.80% |
| 231 | 0.000642 | 98,409,554 | 50,768,776 | 0 | 46,332,786 | 1,307,993 | 99.87% |
| 175 | 0.000642 | 119,246,364 | 86,405,324 | 0 | 31,824,700 | 1,016,341 | 99.93% |
| 63 | 0.000642 | 201,445,367 | 159,651,330 | 0 | 40,432,124 | 1,361,913 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|-------|
| 204 | 0.000642 | 49,652 | | 0 | 0 | 1,847 | 47,804 | 0.06% |
| 71 | 0.000642 | 53,553 | | 0 | 0 | 2,534 | 51,019 | 0.13% |
| 120 | 0.000642 | 56,045 | | 0 | 0 | 3,627 | 52,418 | 0.19% |
| 239 | 0.000642 | 58,390 | | 0 | 0 | 3,174 | 55,216 | 0.26% |
| 205 | 0.002618 | 76,043 | | 0 | 0 | 7,549 | 68,495 | 0.52% |
| 176 | 0.000642 | 77,799 | | 0 | 0 | 2,932 | 74,867 | 0.58% |
| 99 | 0.000642 | 79,019 | | 0 | 0 | 4,345 | 74,674 | 0.65% |
| 121 | 0.002618 | 81,315 | | 0 | 0 | 9,784 | 71,530 | 0.91% |
| 148 | 0.000642 | 93,356 | | 0 | 0 | 8,229 | 85,127 | 0.97% |
| 43 | 0.000642 | 93,797 | | 0 | 0 | 25,024 | 68,774 | 1.04% |
| 1 | 0.000642 | 97,721 | | 0 | 0 | 9,683 | 88,038 | 1.10% |
| 50 | 0.000642 | 101,203 | | 0 | 0 | 8,925 | 92,279 | 1.17% |
| 197 | 0.000642 | 101,606 | | 0 | 0 | 8,412 | 93,194 | 1.23% |
| 183 | 0.000642 | 102,959 | | 0 | 0 | 19,883 | 83,076 | 1.29% |
| 64 | 0.000642 | 103,932 | | 0 | 0 | 15,118 | 88,813 | 1.36% |
| 29 | 0.000642 | 105,444 | | 0 | 0 | 10,930 | 94,514 | 1.42% |
| 240 | 0.002618 | 108,571 | | 0 | 0 | 21,362 | 87,209 | 1.68% |
| 162 | 0.000642 | 112,796 | | 0 | 0 | 18,968 | 93,829 | 1.75% |
| 106 | 0.000642 | 117,154 | | 0 | 0 | 26,410 | 90,745 | 1.81% |
| 206 | 0.006532 | 118,832 | | 0 | 0 | 26,228 | 92,605 | 2.47% |
| 134 | 0.000642 | 128,271 | 8,466 | 0 | 0 | 16,605 | 103,200 | 2.53% |
| 72 | 0.002618 | 128,619 | | 0 | 0 | 46,635 | 81,984 | 2.79% |
| 44 | 0.002618 | 134,630 | | 0 | 0 | 27,036 | 107,594 | 3.05% |
| 22 | 0.000642 | 136,830 | | 0 | 0 | 25,459 | 111,371 | 3.12% |
| 100 | 0.002618 | 137,016 | | 0 | 0 | 22,764 | 114,252 | 3.38% |
| 8 | 0.000642 | 140,058 | | 0 | 0 | 24,731 | 115,327 | 3.44% |
| 184 | 0.002618 | 142,791 | | 0 | 0 | 27,343 | 115,448 | 3.71% |
| 122 | 0.006532 | 142,823 | | 0 | 0 | 41,442 | 101,381 | 4.36% |
| 65 | 0.002618 | 147,436 | | 0 | 0 | 24,574 | 122,862 | 4.62% |
| 30 | 0.002618 | 148,455 | | 0 | 0 | 18,059 | 130,396 | 4.88% |
| 85 | 0.000642 | 149,387 | 166 | 0 | 0 | 28,468 | 120,754 | 4.95% |
| 51 | 0.002618 | 150,933 | | 0 | 0 | 20,464 | 130,469 | 5.21% |
| 232 | 0.000642 | 151,548 | | 0 | 0 | 41,529 | 110,019 | 5.27% |
| 177 | 0.002618 | 152,128 | | 0 | 0 | 31,862 | 120,267 | 5.53% |
| 241 | 0.006532 | 158,829 | | 0 | 0 | 37,816 | 121,013 | 6.19% |
| 198 | 0.002618 | 164,297 | 830 | 0 | 0 | 33,159 | 130,308 | 6.45% |
| 127 | 0.000642 | 166,453 | 1,162 | 0 | 0 | 30,656 | 134,635 | 6.51% |
| 163 | 0.002618 | 170,079 | | 0 | 0 | 35,156 | 134,923 | 6.78% |
| 149 | 0.002618 | 173,555 | | 0 | 0 | 46,580 | 126,976 | 7.04% |
| 73 | 0.006532 | 173,940 | 10,458 | 0 | 0 | 47,508 | 115,974 | 7.69% |
| 233 | 0.002618 | 176,238 | | 0 | 0 | 27,297 | 148,942 | 7.95% |
| 78 | 0.000642 | 181,857 | | 0 | 0 | 32,523 | 149,334 | 8.02% |
| 2 | 0.002618 | 183,844 | 4,814 | 0 | 0 | 51,635 | 127,394 | 8.28% |
| 107 | 0.002618 | 195,157 | | 0 | 0 | 72,547 | 122,610 | 8.54% |
| 45 | 0.006532 | 199,864 | | 0 | 0 | 53,106 | 146,758 | 9.19% |
| 135 | 0.002618 | 201,481 | | 0 | 0 | 49,959 | 151,522 | 9.46% |
| 9 | 0.002618 | 208,028 | | 0 | 0 | 58,344 | 149,684 | 9.72% |
| 190 | 0.000642 | 213,208 | 166 | 0 | 0 | 48,798 | 164,243 | 9.78% |
| 218 | 0.000642 | 219,931 | 17,928 | 0 | 0 | 58,478 | 143,524 | 9.85% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|--------|
| 15 | 0.000642 | 225,564 | | 0 | 0 | 31,428 | 194,135 | 9.91% |
| 178 | 0.006532 | 226,203 | | 0 | 0 | 71,913 | 154,290 | 10.56% |
| 185 | 0.006532 | 234,037 | 3,486 | 0 | 0 | 69,337 | 161,214 | 11.22% |
| 211 | 0.000642 | 236,770 | 6,308 | 0 | 0 | 64,824 | 165,637 | 11.28% |
| 66 | 0.006532 | 242,422 | 1,660 | 0 | 0 | 81,153 | 159,609 | 11.93% |
| 207 | 0.008986 | 245,817 | 15,770 | 0 | 0 | 95,386 | 134,660 | 12.83% |
| 23 | 0.002618 | 246,272 | 3,154 | 0 | 0 | 74,441 | 168,677 | 13.09% |
| 150 | 0.006532 | 249,542 | 0 | 0 | 0 | 81,903 | 167,639 | 13.75% |
| 86 | 0.002618 | 252,586 | 0 | 0 | 0 | 73,999 | 178,586 | 14.01% |
| 52 | 0.006532 | 253,872 | 7,304 | 0 | 0 | 61,172 | 185,396 | 14.66% |
| 156 | 0.002618 | 260,655 | 0 | 0 | 0 | 65,419 | 195,235 | 14.92% |
| 242 | 0.008986 | 264,127 | 4,814 | 0 | 0 | 94,974 | 164,339 | 15.82% |
| 164 | 0.006532 | 264,274 | 0 | 0 | 0 | 80,681 | 183,593 | 16.48% |
| 123 | 0.008986 | 264,378 | 12,616 | 0 | 0 | 112,372 | 139,390 | 17.37% |
| 101 | 0.006532 | 265,512 | 0 | 0 | 0 | 100,780 | 164,731 | 18.03% |
| 113 | 0.000642 | 265,818 | 6,806 | 0 | 0 | 79,859 | 179,152 | 18.09% |
| 155 | 0.000642 | 280,850 | 0 | 0 | 0 | 134,277 | 146,574 | 18.16% |
| 128 | 0.002618 | 289,146 | 0 | 0 | 0 | 87,537 | 201,608 | 18.42% |
| 74 | 0.008986 | 314,827 | 5,478 | 0 | 0 | 150,256 | 159,093 | 19.32% |
| 234 | 0.006532 | 324,886 | 4,980 | 0 | 0 | 107,086 | 212,819 | 19.97% |
| 199 | 0.006532 | 333,441 | 0 | 0 | 0 | 162,782 | 170,659 | 20.62% |
| 31 | 0.006532 | 339,641 | 15,936 | 0 | 0 | 137,249 | 186,457 | 21.28% |
| 136 | 0.006532 | 341,556 | 0 | 0 | 0 | 128,436 | 213,120 | 21.93% |
| 3 | 0.006532 | 348,562 | 18,426 | 0 | 0 | 162,262 | 167,874 | 22.58% |
| 219 | 0.002618 | 351,154 | 0 | 0 | 0 | 150,579 | 200,575 | 22.84% |
| 141 | 0.000642 | 367,381 | 45,318 | 0 | 0 | 101,700 | 220,363 | 22.91% |
| 191 | 0.002618 | 397,558 | 0 | 0 | 0 | 156,449 | 241,109 | 23.17% |
| 53 | 0.008986 | 403,888 | 0 | 0 | 0 | 161,219 | 242,668 | 24.07% |
| 212 | 0.002618 | 404,313 | 0 | 0 | 0 | 176,586 | 227,727 | 24.33% |
| 92 | 0.000642 | 404,717 | 20,916 | 0 | 0 | 161,984 | 221,818 | 24.39% |
| 24 | 0.006532 | 409,507 | 3,984 | 0 | 0 | 178,018 | 227,505 | 25.05% |
| 16 | 0.002618 | 410,720 | 12,118 | 0 | 0 | 105,551 | 293,052 | 25.31% |
| 46 | 0.008986 | 413,034 | 20,252 | 0 | 0 | 191,176 | 201,607 | 26.21% |
| 79 | 0.002618 | 418,846 | 0 | 0 | 0 | 207,428 | 211,418 | 26.47% |
| 87 | 0.006532 | 448,433 | 7,636 | 0 | 0 | 205,831 | 234,966 | 27.12% |
| 124 | 0.006532 | 494,338 | 19,754 | 0 | 0 | 290,044 | 184,540 | 27.78% |
| 32 | 0.008986 | 495,137 | 0 | 0 | 0 | 237,764 | 257,373 | 28.67% |
| 10 | 0.006532 | 507,685 | 332 | 0 | 0 | 289,564 | 217,789 | 29.33% |
| 37 | 0.002618 | 509,066 | 18,924 | 0 | 0 | 232,058 | 258,084 | 29.59% |
| 151 | 0.008986 | 513,519 | 0 | 0 | 0 | 281,574 | 231,946 | 30.49% |
| 67 | 0.008986 | 529,392 | 0 | 0 | 0 | 305,117 | 224,275 | 31.39% |
| 11 | 0.008986 | 532,256 | 0 | 0 | 0 | 250,673 | 281,583 | 32.29% |
| 114 | 0.002618 | 538,784 | 0 | 0 | 0 | 300,084 | 238,699 | 32.55% |
| 169 | 0.000642 | 550,479 | 82,668 | 0 | 0 | 248,327 | 219,484 | 32.61% |
| 108 | 0.006532 | 558,756 | 12,948 | 0 | 0 | 379,746 | 166,062 | 33.26% |
| 57 | 0.000642 | 577,960 | 39,674 | 0 | 0 | 233,398 | 304,888 | 33.33% |
| 225 | 0.000642 | 583,621 | 7,968 | 0 | 0 | 282,394 | 293,259 | 33.39% |
| 186 | 0.008986 | 587,289 | 1,328 | 0 | 0 | 359,946 | 226,015 | 34.29% |
| 142 | 0.002618 | 607,901 | 26,394 | 0 | 0 | 273,672 | 307,834 | 34.55% |
| 208 | 0.006532 | 631,192 | 22,576 | 0 | 0 | 422,702 | 185,914 | 35.21% |

| Case | Prob | Total | EUE | Ignore | Reliability | Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-------------|-----------|---------------|----------|
| 17 | 0.006532 | 647,589 | | 0 | 0 | 256,354 | 391,235 | 35.86% |
| 75 | 0.006532 | 653,368 | 13,612 | 0 | 0 | 413,904 | 225,852 | 36.51% |
| 165 | 0.008986 | 659,725 | | 0 | 0 | 415,596 | 244,129 | 37.41% |
| 209 | 0.002618 | 676,636 | 80,012 | 0 | 0 | 354,248 | 242,375 | 37.67% |
| 4 | 0.008986 | 684,262 | 9,462 | 0 | 0 | 433,194 | 241,606 | 38.57% |
| 200 | 0.008986 | 694,789 | 23,074 | 0 | 0 | 438,992 | 232,723 | 39.47% |
| 243 | 0.006532 | 714,911 | 79,016 | 0 | 0 | 396,883 | 239,012 | 40.12% |
| 220 | 0.006532 | 715,881 | 43,492 | 0 | 0 | 415,781 | 256,608 | 40.78% |
| 180 | 0.006532 | 727,177 | 14,774 | 0 | 0 | 417,672 | 294,731 | 41.43% |
| 36 | 0.000642 | 729,785 | 87,648 | 0 | 0 | 452,554 | 189,583 | 41.49% |
| 102 | 0.008986 | 736,125 | 10,956 | 0 | 0 | 494,155 | 231,014 | 42.39% |
| 170 | 0.002618 | 738,211 | 19,754 | 0 | 0 | 418,904 | 299,553 | 42.66% |
| 25 | 0.008986 | 744,796 | 6,474 | 0 | 0 | 433,325 | 304,997 | 43.55% |
| 192 | 0.006532 | 753,639 | 13,114 | 0 | 0 | 421,929 | 318,596 | 44.21% |
| 235 | 0.008986 | 766,395 | | 0 | 0 | 483,803 | 282,592 | 45.11% |
| 157 | 0.006532 | 770,972 | | 0 | 0 | 511,378 | 259,593 | 45.76% |
| 54 | 0.006532 | 782,072 | 59,428 | 0 | 0 | 393,214 | 329,430 | 46.41% |
| 129 | 0.006532 | 799,043 | 12,948 | 0 | 0 | 511,666 | 274,429 | 47.07% |
| 213 | 0.006532 | 800,598 | 41,666 | 0 | 0 | 452,886 | 306,046 | 47.72% |
| 137 | 0.008986 | 821,251 | 8,798 | 0 | 0 | 523,559 | 288,894 | 48.62% |
| 226 | 0.002618 | 835,406 | 41,666 | 0 | 0 | 395,555 | 398,185 | 48.88% |
| 93 | 0.002618 | 868,917 | 50,962 | 0 | 0 | 502,743 | 315,212 | 49.14% |
| 115 | 0.006532 | 891,003 | 996 | 0 | 0 | 556,745 | 333,262 | 49.79% |
| 38 | 0.006532 | 892,101 | 60,922 | 0 | 0 | 480,115 | 351,063 | 50.45% |
| 12 | 0.006532 | 907,503 | 3,486 | 0 | 0 | 549,030 | 354,987 | 51.10% |
| 201 | 0.006532 | 994,652 | 17,762 | 0 | 0 | 664,785 | 312,105 | 51.75% |
| 103 | 0.006532 | 1,002,115 | | 0 | 0 | 695,876 | 306,239 | 52.41% |
| 80 | 0.006532 | 1,136,332 | | 0 | 0 | 858,720 | 277,612 | 53.06% |
| 33 | 0.006532 | 1,141,158 | 2,490 | 0 | 0 | 782,511 | 356,156 | 53.71% |
| 179 | 0.008986 | 1,156,252 | | 0 | 0 | 939,279 | 216,973 | 54.61% |
| 152 | 0.006532 | 1,157,504 | | 0 | 0 | 839,689 | 317,815 | 55.26% |
| 158 | 0.008986 | 1,177,952 | 3,154 | 0 | 0 | 840,374 | 334,423 | 56.16% |
| 109 | 0.008986 | 1,180,399 | 16,766 | 0 | 0 | 938,799 | 224,834 | 57.06% |
| 130 | 0.008986 | 1,186,836 | 12,450 | 0 | 0 | 822,003 | 352,383 | 57.96% |
| 5 | 0.006532 | 1,187,546 | 6,640 | 0 | 0 | 865,871 | 315,034 | 58.61% |
| 125 | 0.002618 | 1,211,377 | 159,028 | 0 | 0 | 807,465 | 244,884 | 58.88% |
| 88 | 0.008986 | 1,234,852 | 664 | 0 | 0 | 909,635 | 324,552 | 59.77% |
| 143 | 0.006532 | 1,240,891 | 91,300 | 0 | 0 | 744,335 | 405,255 | 60.43% |
| 193 | 0.008986 | 1,256,525 | 27,224 | 0 | 0 | 819,254 | 410,048 | 61.33% |
| 221 | 0.008986 | 1,329,581 | 16,932 | 0 | 0 | 937,216 | 375,433 | 62.22% |
| 94 | 0.006532 | 1,397,595 | 9,628 | 0 | 0 | 953,795 | 434,172 | 62.88% |
| 236 | 0.006532 | 1,416,120 | | 0 | 0 | 1,037,297 | 378,823 | 63.53% |
| 47 | 0.006532 | 1,439,498 | 21,746 | 0 | 0 | 1,137,719 | 280,034 | 64.18% |
| 81 | 0.008986 | 1,571,268 | 9,794 | 0 | 0 | 1,198,367 | 363,107 | 65.08% |
| 187 | 0.006532 | 1,574,383 | 75,696 | 0 | 0 | 1,201,014 | 297,673 | 65.74% |
| 18 | 0.008986 | 1,583,144 | 82,336 | 0 | 0 | 989,856 | 510,952 | 66.63% |
| 55 | 0.002618 | 1,715,335 | 287,512 | 0 | 0 | 982,741 | 445,082 | 66.90% |
| 48 | 0.002618 | 1,727,009 | 164,672 | 0 | 0 | 1,197,879 | 364,458 | 67.16% |
| 166 | 0.006532 | 1,740,769 | | 0 | 0 | 1,391,638 | 349,130 | 67.81% |
| 138 | 0.006532 | 1,749,835 | 91,134 | 0 | 0 | 1,276,826 | 381,875 | 68.46% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|-----------|--------|-----------------------|---------------|----------|
| 171 | 0.006532 | 1,808,767 | 312,910 | 0 | 1,110,276 | 385,580 | 69.12% |
| 89 | 0.006532 | 1,826,501 | 15,438 | 0 | 1,388,897 | 422,166 | 69.77% |
| 181 | 0.002618 | 1,873,141 | 37,350 | 0 | 1,449,978 | 385,813 | 70.03% |
| 244 | 0.002618 | 1,895,217 | 258,628 | 0 | 1,325,355 | 311,234 | 70.29% |
| 210 | 0.000642 | 1,927,699 | 273,070 | 0 | 1,319,100 | 335,529 | 70.36% |
| 227 | 0.006532 | 1,978,262 | 40,172 | 0 | 1,426,795 | 511,294 | 71.01% |
| 26 | 0.006532 | 2,050,655 | 183,596 | 0 | 1,454,986 | 412,073 | 71.67% |
| 202 | 0.002618 | 2,055,235 | 129,480 | 0 | 1,518,444 | 407,311 | 71.93% |
| 76 | 0.002618 | 2,118,519 | 42,828 | 0 | 1,778,262 | 297,429 | 72.19% |
| 214 | 0.008986 | 2,169,710 | 110,224 | 0 | 1,644,207 | 415,279 | 73.09% |
| 116 | 0.008986 | 2,173,603 | 8,964 | 0 | 1,751,737 | 412,902 | 73.99% |
| 167 | 0.002618 | 2,189,895 | 2,988 | 0 | 1,733,417 | 453,490 | 74.25% |
| 34 | 0.002618 | 2,265,074 | 31,374 | 0 | 1,769,529 | 464,171 | 74.51% |
| 13 | 0.002618 | 2,337,033 | 17,264 | 0 | 1,855,675 | 464,094 | 74.77% |
| 6 | 0.002618 | 2,394,602 | 9,130 | 0 | 1,946,272 | 439,200 | 75.03% |
| 68 | 0.006532 | 2,431,724 | 24,900 | 0 | 2,114,114 | 292,709 | 75.69% |
| 126 | 0.000642 | 2,435,787 | 478,578 | 0 | 1,609,270 | 347,939 | 75.75% |
| 39 | 0.008986 | 2,452,582 | 150,396 | 0 | 1,846,540 | 455,646 | 76.65% |
| 131 | 0.006532 | 2,486,970 | 19,256 | 0 | 2,004,679 | 463,035 | 77.30% |
| 104 | 0.002618 | 2,669,708 | 91,798 | 0 | 2,165,205 | 412,705 | 77.56% |
| 110 | 0.006532 | 2,773,597 | 212,314 | 0 | 2,271,159 | 290,124 | 78.22% |
| 69 | 0.002618 | 2,779,570 | 224,266 | 0 | 2,162,545 | 392,759 | 78.48% |
| 58 | 0.002618 | 2,787,054 | 429,276 | 0 | 1,933,233 | 424,545 | 78.74% |
| 159 | 0.006532 | 2,903,159 | 11,952 | 0 | 2,442,282 | 448,925 | 79.39% |
| 153 | 0.002618 | 3,017,192 | 42,994 | 0 | 2,546,104 | 428,094 | 79.66% |
| 77 | 0.000642 | 3,116,556 | 29,050 | 0 | 2,671,490 | 416,015 | 79.72% |
| 19 | 0.006532 | 3,176,202 | 456,998 | 0 | 2,047,304 | 671,900 | 80.37% |
| 194 | 0.006532 | 3,315,295 | 44,488 | 0 | 2,705,801 | 565,007 | 81.03% |
| 95 | 0.008986 | 3,471,366 | 105,244 | 0 | 2,814,201 | 551,921 | 81.93% |
| 14 | 0.000642 | 3,503,589 | 40,338 | 0 | 2,884,610 | 578,642 | 81.99% |
| 189 | 0.000642 | 3,629,653 | 3,818 | 0 | 3,094,270 | 531,565 | 82.05% |
| 188 | 0.002618 | 3,650,243 | 109,228 | 0 | 3,141,531 | 399,485 | 82.32% |
| 182 | 0.000642 | 3,682,473 | 290,002 | 0 | 2,859,335 | 533,135 | 82.38% |
| 222 | 0.006532 | 3,703,552 | 82,834 | 0 | 3,151,552 | 469,167 | 83.03% |
| 237 | 0.002618 | 3,770,905 | 0 | 0 | 3,272,057 | 498,848 | 83.29% |
| 27 | 0.002618 | 3,784,298 | 443,054 | 0 | 2,804,461 | 536,783 | 83.56% |
| 144 | 0.008986 | 4,148,707 | 333,826 | 0 | 3,285,625 | 529,256 | 84.45% |
| 59 | 0.006532 | 4,185,951 | 838,798 | 0 | 2,803,118 | 544,035 | 85.11% |
| 90 | 0.002618 | 4,272,961 | 63,080 | 0 | 3,668,830 | 541,051 | 85.37% |
| 82 | 0.006532 | 4,304,996 | 39,674 | 0 | 3,798,658 | 466,664 | 86.02% |
| 245 | 0.000642 | 4,425,287 | 1,464,784 | 0 | 2,536,169 | 424,334 | 86.09% |
| 40 | 0.006532 | 4,504,386 | 291,662 | 0 | 3,605,960 | 606,764 | 86.74% |
| 117 | 0.006532 | 4,632,768 | 116,366 | 0 | 3,978,255 | 538,147 | 87.39% |
| 215 | 0.006532 | 4,805,758 | 392,756 | 0 | 3,876,828 | 536,174 | 88.05% |
| 203 | 0.000642 | 4,888,106 | 659,684 | 0 | 3,671,050 | 557,372 | 88.11% |
| 56 | 0.000642 | 5,007,174 | 1,259,774 | 0 | 3,149,937 | 597,463 | 88.18% |
| 49 | 0.000642 | 5,040,170 | 431,434 | 0 | 4,101,184 | 507,552 | 88.24% |
| 139 | 0.002618 | 5,086,718 | 303,282 | 0 | 4,280,168 | 503,268 | 88.50% |
| 154 | 0.000642 | 5,205,620 | 13,446 | 0 | 4,629,466 | 562,708 | 88.57% |
| 145 | 0.006532 | 5,260,497 | 416,660 | 0 | 4,153,754 | 690,083 | 89.22% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|-------------|--------|-----------------------|---------------|----------|
| 172 | 0.008986 | 5,286,431 | 1,602,066 | 0 | 3,183,634 | 500,731 | 90.12% |
| 168 | 0.000642 | 5,351,511 | 32,204 | 0 | 4,711,196 | 608,111 | 90.18% |
| 105 | 0.000642 | 5,546,669 | 82,336 | 0 | 4,921,120 | 543,214 | 90.25% |
| 70 | 0.000642 | 5,659,368 | 631,298 | 0 | 4,497,992 | 530,078 | 90.31% |
| 7 | 0.000642 | 5,665,041 | 31,706 | 0 | 5,064,557 | 568,778 | 90.37% |
| 160 | 0.002618 | 5,666,181 | 97,608 | 0 | 4,995,687 | 572,886 | 90.64% |
| 132 | 0.002618 | 5,921,037 | 310,918 | 0 | 5,013,307 | 596,812 | 90.90% |
| 35 | 0.000642 | 6,108,529 | 116,366 | 0 | 5,379,390 | 612,773 | 90.96% |
| 238 | 0.000642 | 6,219,574 | 39,010 | 0 | 5,497,110 | 683,454 | 91.03% |
| 228 | 0.008986 | 6,411,130 | 881,626 | 0 | 4,868,268 | 661,236 | 91.92% |
| 223 | 0.002618 | 6,684,395 | 363,540 | 0 | 5,731,936 | 588,919 | 92.19% |
| 111 | 0.002618 | 6,815,014 | 1,263,260 | 0 | 5,180,791 | 370,963 | 92.45% |
| 20 | 0.002618 | 6,965,719 | 1,359,706 | 0 | 4,752,464 | 853,549 | 92.71% |
| 216 | 0.002618 | 7,297,512 | 955,828 | 0 | 5,671,289 | 670,395 | 92.97% |
| 83 | 0.002618 | 7,839,279 | 4,648 | 0 | 7,253,877 | 580,753 | 93.23% |
| 91 | 0.000642 | 7,930,990 | 198,204 | 0 | 7,023,707 | 709,079 | 93.30% |
| 195 | 0.002618 | 9,004,043 | 247,672 | 0 | 8,022,380 | 733,991 | 93.56% |
| 96 | 0.006532 | 9,009,684 | 623,330 | 0 | 7,678,698 | 707,656 | 94.21% |
| 118 | 0.002618 | 9,109,637 | 196,378 | 0 | 8,233,498 | 679,761 | 94.47% |
| 140 | 0.000642 | 9,119,242 | 895,238 | 0 | 7,563,153 | 660,851 | 94.54% |
| 41 | 0.002618 | 11,116,899 | 1,228,898 | 0 | 9,133,277 | 754,724 | 94.80% |
| 146 | 0.002618 | 11,138,956 | 1,453,164 | 0 | 8,821,054 | 864,738 | 95.06% |
| 28 | 0.000642 | 11,310,883 | 2,309,392 | 0 | 8,276,697 | 724,795 | 95.13% |
| 133 | 0.000642 | 11,522,842 | 847,098 | 0 | 9,914,848 | 760,896 | 95.19% |
| 60 | 0.008986 | 11,994,520 | 4,277,820 | 0 | 7,007,133 | 709,567 | 96.09% |
| 161 | 0.000642 | 12,176,914 | 318,222 | 0 | 11,106,613 | 752,079 | 96.15% |
| 229 | 0.006532 | 13,274,572 | 2,611,014 | 0 | 9,839,523 | 824,034 | 96.81% |
| 224 | 0.000642 | 17,593,387 | 1,138,428 | 0 | 15,694,481 | 760,478 | 96.87% |
| 119 | 0.000642 | 17,595,552 | 793,978 | 0 | 15,939,753 | 861,820 | 96.94% |
| 112 | 0.000642 | 17,928,998 | 4,573,632 | 0 | 12,881,342 | 474,024 | 97.00% |
| 196 | 0.000642 | 17,984,235 | 870,670 | 0 | 16,159,819 | 953,746 | 97.06% |
| 84 | 0.000642 | 18,263,807 | 26,560 | 0 | 17,457,969 | 779,279 | 97.13% |
| 173 | 0.006532 | 18,592,974 | 7,629,194 | 0 | 10,308,167 | 655,613 | 97.78% |
| 97 | 0.002618 | 20,150,524 | 2,178,916 | 0 | 17,079,244 | 892,364 | 98.04% |
| 21 | 0.000642 | 21,538,045 | 8,738,738 | 0 | 11,644,475 | 1,154,832 | 98.11% |
| 217 | 0.000642 | 21,954,092 | 3,718,068 | 0 | 17,354,021 | 882,002 | 98.17% |
| 61 | 0.006532 | 27,656,897 | 11,977,730 | 0 | 14,798,536 | 880,631 | 98.82% |
| 42 | 0.000642 | 28,122,884 | 4,296,910 | 0 | 22,837,424 | 988,550 | 98.89% |
| 230 | 0.002618 | 29,066,560 | 8,803,644 | 0 | 19,217,704 | 1,045,212 | 99.15% |
| 147 | 0.000642 | 34,080,080 | 8,532,898 | 0 | 24,410,672 | 1,136,511 | 99.21% |
| 98 | 0.000642 | 42,619,218 | 7,620,064 | 0 | 33,838,339 | 1,160,815 | 99.28% |
| 174 | 0.002618 | 46,552,594 | 28,069,272 | 0 | 17,671,346 | 811,976 | 99.54% |
| 62 | 0.002618 | 73,739,527 | 49,606,942 | 0 | 23,029,795 | 1,102,791 | 99.80% |
| 231 | 0.000642 | 84,440,849 | 43,437,220 | 0 | 39,667,248 | 1,336,381 | 99.87% |
| 175 | 0.000642 | 99,803,764 | 74,975,062 | 0 | 23,782,073 | 1,046,628 | 99.93% |
| 63 | 0.000642 | 171,597,123 | 138,717,734 | 0 | 31,494,312 | 1,385,077 | 100.00% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob | |
|------|----------|---------|-------|--------|-----------------------|---------------|----------|--------|
| 204 | 0.000642 | 48,479 | | 0 | 0 | 1,649 | 46,830 | 0.06% |
| 71 | 0.000642 | 52,567 | | 0 | 0 | 573 | 51,993 | 0.13% |
| 120 | 0.000642 | 53,432 | | 0 | 0 | 1,881 | 51,551 | 0.19% |
| 239 | 0.000642 | 58,984 | | 0 | 0 | 1,442 | 57,543 | 0.26% |
| 43 | 0.000642 | 72,369 | | 0 | 0 | 3,508 | 68,861 | 0.32% |
| 205 | 0.002618 | 79,960 | | 0 | 0 | 4,504 | 75,456 | 0.58% |
| 148 | 0.000642 | 80,711 | | 0 | 0 | 1,085 | 79,626 | 0.65% |
| 121 | 0.002618 | 80,860 | | 0 | 0 | 5,817 | 75,043 | 0.91% |
| 72 | 0.002618 | 82,131 | | 0 | 0 | 2,293 | 79,838 | 1.17% |
| 183 | 0.000642 | 85,784 | | 0 | 0 | 4,025 | 81,759 | 1.23% |
| 176 | 0.000642 | 86,830 | | 0 | 0 | 5,869 | 80,962 | 1.30% |
| 99 | 0.000642 | 87,604 | | 0 | 0 | 10,755 | 76,849 | 1.36% |
| 240 | 0.002618 | 93,410 | | 0 | 0 | 7,737 | 85,673 | 1.63% |
| 1 | 0.000642 | 94,827 | | 0 | 0 | 6,990 | 87,837 | 1.69% |
| 197 | 0.000642 | 95,075 | | 0 | 0 | 2,968 | 92,107 | 1.75% |
| 50 | 0.000642 | 95,919 | | 0 | 0 | 1,992 | 93,928 | 1.82% |
| 64 | 0.000642 | 98,213 | | 0 | 0 | 5,311 | 92,902 | 1.88% |
| 29 | 0.000642 | 100,409 | | 0 | 0 | 5,198 | 95,212 | 1.95% |
| 162 | 0.000642 | 100,985 | | 0 | 0 | 4,462 | 96,523 | 2.01% |
| 106 | 0.000642 | 106,641 | | 0 | 0 | 16,162 | 90,479 | 2.07% |
| 206 | 0.006532 | 109,489 | | 0 | 0 | 11,160 | 98,329 | 2.73% |
| 134 | 0.000642 | 110,174 | | 0 | 0 | 6,662 | 103,512 | 2.79% |
| 22 | 0.000642 | 117,221 | | 0 | 0 | 6,067 | 111,154 | 2.86% |
| 122 | 0.006532 | 117,966 | | 0 | 0 | 11,585 | 106,382 | 3.51% |
| 100 | 0.002618 | 118,076 | | 0 | 0 | 6,354 | 111,721 | 3.77% |
| 8 | 0.000642 | 121,232 | | 0 | 0 | 4,824 | 116,407 | 3.84% |
| 44 | 0.002618 | 122,086 | | 0 | 0 | 19,004 | 103,082 | 4.10% |
| 73 | 0.006532 | 123,419 | | 0 | 0 | 6,491 | 116,927 | 4.75% |
| 177 | 0.002618 | 124,036 | | 0 | 0 | 12,825 | 111,211 | 5.01% |
| 184 | 0.002618 | 128,424 | | 0 | 0 | 11,828 | 116,596 | 5.27% |
| 65 | 0.002618 | 133,429 | | 0 | 0 | 10,370 | 123,059 | 5.54% |
| 232 | 0.000642 | 134,687 | | 0 | 0 | 24,015 | 110,673 | 5.60% |
| 85 | 0.000642 | 140,123 | | 0 | 0 | 18,465 | 121,659 | 5.66% |
| 2 | 0.002618 | 140,654 | | 0 | 0 | 17,639 | 123,015 | 5.93% |
| 241 | 0.006532 | 143,091 | | 0 | 0 | 19,086 | 124,004 | 6.58% |
| 51 | 0.002618 | 148,369 | | 0 | 0 | 10,263 | 138,105 | 6.84% |
| 163 | 0.002618 | 155,807 | | 0 | 0 | 19,622 | 136,185 | 7.10% |
| 218 | 0.000642 | 156,506 | | 0 | 0 | 11,814 | 144,692 | 7.17% |
| 78 | 0.000642 | 158,162 | | 0 | 0 | 10,642 | 147,520 | 7.23% |
| 127 | 0.000642 | 160,958 | 2,324 | 0 | 0 | 15,990 | 142,644 | 7.30% |
| 149 | 0.002618 | 161,239 | | 0 | 0 | 40,115 | 121,124 | 7.56% |
| 30 | 0.002618 | 163,460 | | 0 | 0 | 17,191 | 146,268 | 7.82% |
| 198 | 0.002618 | 164,705 | 2,988 | 0 | 0 | 29,587 | 132,130 | 8.08% |
| 155 | 0.000642 | 164,732 | | 0 | 0 | 23,660 | 141,072 | 8.14% |
| 233 | 0.002618 | 166,963 | | 0 | 0 | 14,922 | 152,042 | 8.41% |
| 135 | 0.002618 | 167,186 | | 0 | 0 | 14,298 | 152,888 | 8.67% |
| 207 | 0.008986 | 167,365 | | 0 | 0 | 26,297 | 141,068 | 9.57% |
| 190 | 0.000642 | 176,298 | | 0 | 0 | 11,575 | 164,723 | 9.63% |
| 178 | 0.006532 | 178,501 | | 0 | 0 | 15,761 | 162,740 | 10.28% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|---------|--------|--------|-----------------------|---------------|----------|
| 123 | 0.008986 | 182,506 | | 0 | 0 | 44,957 | 11.18% |
| 9 | 0.002618 | 183,538 | | 0 | 0 | 15,290 | 11.44% |
| 211 | 0.000642 | 185,102 | | 0 | 0 | 19,016 | 11.51% |
| 23 | 0.002618 | 198,285 | | 0 | 0 | 28,523 | 11.77% |
| 45 | 0.006532 | 199,343 | | 0 | 0 | 47,773 | 12.42% |
| 185 | 0.006532 | 203,120 | | 0 | 0 | 43,304 | 13.08% |
| 113 | 0.000642 | 204,522 | | 0 | 0 | 19,666 | 13.14% |
| 36 | 0.000642 | 211,853 | | 0 | 0 | 31,664 | 13.21% |
| 66 | 0.006532 | 212,037 | | 0 | 0 | 34,496 | 13.86% |
| 52 | 0.006532 | 213,355 | | 0 | 0 | 27,303 | 14.51% |
| 164 | 0.006532 | 216,793 | | 0 | 0 | 28,761 | 15.17% |
| 86 | 0.002618 | 217,733 | | 0 | 0 | 42,136 | 15.43% |
| 3 | 0.006532 | 221,153 | | 0 | 0 | 45,533 | 16.08% |
| 199 | 0.006532 | 223,157 | | 0 | 0 | 42,174 | 16.73% |
| 15 | 0.000642 | 224,218 | | 0 | 0 | 12,849 | 16.80% |
| 150 | 0.006532 | 224,293 | | 0 | 0 | 48,567 | 17.45% |
| 74 | 0.008986 | 227,468 | | 0 | 0 | 70,562 | 18.35% |
| 128 | 0.002618 | 232,375 | 6,806 | 0 | 0 | 38,279 | 18.61% |
| 31 | 0.006532 | 234,757 | | 0 | 0 | 36,129 | 19.26% |
| 107 | 0.002618 | 237,551 | 6,142 | 0 | 107,519 | 123,890 | 19.53% |
| 219 | 0.002618 | 243,374 | 8,632 | 0 | 43,207 | 191,534 | 19.79% |
| 242 | 0.008986 | 245,863 | | 0 | 0 | 72,264 | 20.69% |
| 234 | 0.006532 | 250,414 | | 0 | 0 | 37,248 | 21.34% |
| 101 | 0.006532 | 250,847 | | 0 | 0 | 76,245 | 21.99% |
| 156 | 0.002618 | 263,767 | | 0 | 0 | 63,476 | 22.25% |
| 92 | 0.000642 | 276,494 | 664 | 0 | 55,341 | 220,489 | 22.32% |
| 141 | 0.000642 | 278,183 | 8,134 | 0 | 43,680 | 226,369 | 22.38% |
| 46 | 0.008986 | 278,754 | | 0 | 0 | 79,694 | 23.28% |
| 212 | 0.002618 | 279,422 | | 0 | 0 | 55,716 | 23.54% |
| 124 | 0.006532 | 282,723 | 6,142 | 0 | 89,475 | 187,106 | 24.20% |
| 136 | 0.006532 | 287,993 | | 0 | 0 | 70,178 | 24.85% |
| 79 | 0.002618 | 297,802 | | 0 | 0 | 95,203 | 25.11% |
| 114 | 0.002618 | 304,200 | | 0 | 0 | 59,663 | 25.37% |
| 208 | 0.006532 | 307,341 | 5,810 | 0 | 114,700 | 186,831 | 26.03% |
| 191 | 0.002618 | 309,784 | | 0 | 0 | 65,329 | 26.29% |
| 53 | 0.008986 | 310,166 | | 0 | 0 | 47,945 | 27.19% |
| 24 | 0.006532 | 315,101 | | 0 | 0 | 89,513 | 27.84% |
| 4 | 0.008986 | 317,930 | | 0 | 0 | 90,444 | 28.74% |
| 108 | 0.006532 | 324,718 | 10,126 | 0 | 149,389 | 165,204 | 29.39% |
| 87 | 0.006532 | 332,706 | 3,320 | 0 | 83,021 | 246,365 | 30.05% |
| 169 | 0.000642 | 332,815 | | 0 | 0 | 114,111 | 30.11% |
| 200 | 0.008986 | 355,028 | 11,122 | 0 | 102,797 | 241,109 | 31.01% |
| 186 | 0.008986 | 365,235 | 1,826 | 0 | 136,136 | 227,273 | 31.91% |
| 10 | 0.006532 | 382,576 | | 0 | 0 | 181,327 | 32.56% |
| 151 | 0.008986 | 387,111 | 10,292 | 0 | 136,585 | 240,234 | 33.46% |
| 220 | 0.006532 | 394,122 | | 0 | 0 | 127,617 | 34.11% |
| 235 | 0.008986 | 394,436 | | 0 | 0 | 102,383 | 35.01% |
| 157 | 0.006532 | 397,962 | 3,486 | 0 | 136,678 | 257,797 | 35.66% |
| 225 | 0.000642 | 399,503 | 19,422 | 0 | 79,347 | 300,734 | 35.73% |
| 67 | 0.008986 | 408,942 | | 0 | 0 | 174,638 | 36.63% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|---------|---------|--------|-----------------------|---------------|----------|
| 75 | 0.006532 | 411,861 | 4,482 | 0 | 176,842 | 230,537 | 37.28% |
| 102 | 0.008986 | 419,177 | 10,292 | 0 | 191,878 | 217,008 | 38.18% |
| 16 | 0.002618 | 426,567 | 26,062 | 0 | 104,935 | 295,570 | 38.44% |
| 129 | 0.006532 | 434,688 | 0 | 0 | 167,602 | 267,086 | 39.09% |
| 142 | 0.002618 | 434,697 | 4,316 | 0 | 119,976 | 310,404 | 39.36% |
| 37 | 0.002618 | 440,598 | 19,588 | 0 | 168,144 | 252,866 | 39.62% |
| 11 | 0.008986 | 445,487 | 0 | 0 | 166,810 | 278,677 | 40.52% |
| 57 | 0.000642 | 449,250 | 19,090 | 0 | 120,513 | 309,647 | 40.58% |
| 32 | 0.008986 | 450,644 | 0 | 0 | 182,212 | 268,432 | 41.48% |
| 243 | 0.006532 | 464,725 | 31,872 | 0 | 201,061 | 231,792 | 42.13% |
| 165 | 0.008986 | 475,785 | 9,296 | 0 | 204,501 | 261,988 | 43.03% |
| 137 | 0.008986 | 480,178 | 3,320 | 0 | 181,735 | 295,123 | 43.93% |
| 213 | 0.006532 | 488,775 | 0 | 0 | 180,691 | 308,084 | 44.58% |
| 115 | 0.006532 | 497,222 | 0 | 0 | 173,910 | 323,312 | 45.24% |
| 17 | 0.006532 | 497,819 | 0 | 0 | 101,907 | 395,912 | 45.89% |
| 76 | 0.002618 | 500,862 | 0 | 0 | 206,299 | 294,563 | 46.15% |
| 93 | 0.002618 | 522,692 | 2,656 | 0 | 200,660 | 319,376 | 46.41% |
| 68 | 0.006532 | 530,326 | 7,968 | 0 | 208,849 | 313,509 | 47.07% |
| 179 | 0.008986 | 534,944 | 13,778 | 0 | 298,421 | 222,745 | 47.96% |
| 38 | 0.006532 | 540,738 | 6,640 | 0 | 187,719 | 346,379 | 48.62% |
| 54 | 0.006532 | 550,329 | 9,296 | 0 | 202,257 | 338,775 | 49.27% |
| 180 | 0.006532 | 550,801 | 1,328 | 0 | 243,267 | 306,206 | 49.92% |
| 25 | 0.008986 | 555,186 | 5,976 | 0 | 238,348 | 310,861 | 50.82% |
| 209 | 0.002618 | 573,644 | 43,160 | 0 | 266,344 | 264,140 | 51.08% |
| 47 | 0.006532 | 575,808 | 3,984 | 0 | 295,459 | 276,365 | 51.74% |
| 192 | 0.006532 | 578,861 | 25,564 | 0 | 221,366 | 331,931 | 52.39% |
| 125 | 0.002618 | 596,534 | 104,746 | 0 | 239,713 | 252,075 | 52.65% |
| 170 | 0.002618 | 606,514 | 26,228 | 0 | 275,898 | 304,389 | 52.91% |
| 88 | 0.008986 | 633,734 | 0 | 0 | 297,135 | 336,599 | 53.81% |
| 226 | 0.002618 | 649,225 | 2,822 | 0 | 240,916 | 405,487 | 54.07% |
| 152 | 0.006532 | 655,020 | 9,296 | 0 | 326,017 | 319,708 | 54.73% |
| 187 | 0.006532 | 669,746 | 0 | 0 | 373,278 | 296,468 | 55.38% |
| 201 | 0.006532 | 711,612 | 830 | 0 | 390,156 | 320,626 | 56.03% |
| 143 | 0.006532 | 725,857 | 9,628 | 0 | 311,762 | 404,467 | 56.69% |
| 109 | 0.008986 | 726,387 | 24,070 | 0 | 478,726 | 223,591 | 57.59% |
| 236 | 0.006532 | 732,792 | 0 | 0 | 335,991 | 396,802 | 58.24% |
| 130 | 0.008986 | 739,376 | 0 | 0 | 385,933 | 353,444 | 59.14% |
| 58 | 0.002618 | 752,303 | 33,366 | 0 | 303,695 | 415,243 | 59.40% |
| 166 | 0.006532 | 753,738 | 0 | 0 | 405,300 | 348,438 | 60.05% |
| 221 | 0.008986 | 757,917 | 0 | 0 | 407,819 | 350,098 | 60.95% |
| 103 | 0.006532 | 767,375 | 15,936 | 0 | 456,226 | 295,213 | 61.60% |
| 5 | 0.006532 | 827,110 | 664 | 0 | 502,524 | 323,922 | 62.26% |
| 244 | 0.002618 | 844,458 | 114,208 | 0 | 427,328 | 302,922 | 62.52% |
| 158 | 0.008986 | 844,702 | 0 | 0 | 501,254 | 343,449 | 63.42% |
| 33 | 0.006532 | 865,078 | 0 | 0 | 501,703 | 363,376 | 64.07% |
| 94 | 0.006532 | 865,966 | 17,264 | 0 | 434,344 | 414,358 | 64.72% |
| 18 | 0.008986 | 901,473 | 8,964 | 0 | 361,174 | 531,334 | 65.62% |
| 12 | 0.006532 | 902,986 | 0 | 0 | 557,372 | 345,613 | 66.28% |
| 202 | 0.002618 | 903,461 | 34,196 | 0 | 449,405 | 419,859 | 66.54% |
| 181 | 0.002618 | 913,373 | 58,266 | 0 | 451,657 | 403,451 | 66.80% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-----------|---------|--------|-----------------------|---------------|----------|
| 81 | 0.008986 | 915,496 | 0 | 0 | 540,294 | 375,202 | 67.70% |
| 104 | 0.002618 | 921,194 | 0 | 0 | 524,776 | 396,418 | 67.96% |
| 26 | 0.006532 | 929,248 | 58,764 | 0 | 450,303 | 420,181 | 68.61% |
| 138 | 0.006532 | 952,161 | 14,276 | 0 | 548,322 | 389,562 | 69.27% |
| 55 | 0.002618 | 1,051,925 | 136,452 | 0 | 465,573 | 449,900 | 69.53% |
| 39 | 0.008986 | 1,075,167 | 830 | 0 | 621,587 | 452,751 | 70.43% |
| 13 | 0.002618 | 1,085,960 | 0 | 0 | 616,886 | 469,075 | 70.69% |
| 69 | 0.002618 | 1,100,485 | 122,010 | 0 | 578,744 | 399,732 | 70.95% |
| 193 | 0.008986 | 1,119,565 | 24,236 | 0 | 680,585 | 414,744 | 71.85% |
| 80 | 0.006532 | 1,168,136 | 3,984 | 0 | 885,679 | 278,473 | 72.50% |
| 188 | 0.002618 | 1,183,200 | 0 | 0 | 786,825 | 396,374 | 72.76% |
| 167 | 0.002618 | 1,191,700 | 0 | 0 | 738,508 | 453,192 | 73.03% |
| 126 | 0.000642 | 1,206,262 | 226,590 | 0 | 633,387 | 346,285 | 73.09% |
| 77 | 0.000642 | 1,220,094 | 2,158 | 0 | 794,273 | 423,664 | 73.15% |
| 214 | 0.008986 | 1,264,064 | 87,482 | 0 | 769,056 | 407,526 | 74.05% |
| 210 | 0.000642 | 1,270,957 | 253,648 | 0 | 669,953 | 347,356 | 74.12% |
| 34 | 0.002618 | 1,272,917 | 0 | 0 | 813,333 | 459,584 | 74.38% |
| 237 | 0.002618 | 1,311,456 | 2,822 | 0 | 785,338 | 523,296 | 74.64% |
| 48 | 0.002618 | 1,342,310 | 76,360 | 0 | 887,993 | 377,957 | 74.90% |
| 171 | 0.006532 | 1,361,123 | 247,838 | 0 | 713,320 | 399,965 | 75.56% |
| 159 | 0.006532 | 1,368,007 | 0 | 0 | 928,426 | 439,581 | 76.21% |
| 110 | 0.006532 | 1,373,601 | 90,802 | 0 | 990,818 | 291,981 | 76.86% |
| 227 | 0.006532 | 1,375,901 | 60,424 | 0 | 790,718 | 524,759 | 77.52% |
| 144 | 0.008986 | 1,381,764 | 81,838 | 0 | 783,151 | 516,776 | 78.41% |
| 131 | 0.006532 | 1,422,824 | 5,976 | 0 | 946,549 | 470,300 | 79.07% |
| 116 | 0.008986 | 1,501,690 | 0 | 0 | 1,075,800 | 425,891 | 79.97% |
| 6 | 0.002618 | 1,519,146 | 664 | 0 | 1,088,630 | 429,852 | 80.23% |
| 153 | 0.002618 | 1,554,767 | 1,826 | 0 | 1,133,712 | 419,229 | 80.49% |
| 19 | 0.006532 | 1,607,754 | 175,462 | 0 | 745,016 | 687,276 | 81.14% |
| 89 | 0.006532 | 1,634,012 | 47,476 | 0 | 1,144,368 | 442,168 | 81.80% |
| 27 | 0.002618 | 1,732,088 | 360,054 | 0 | 831,504 | 540,530 | 82.06% |
| 215 | 0.006532 | 1,853,445 | 132,302 | 0 | 1,190,277 | 530,866 | 82.71% |
| 49 | 0.000642 | 1,901,549 | 173,802 | 0 | 1,215,304 | 512,443 | 82.77% |
| 59 | 0.006532 | 1,967,046 | 334,490 | 0 | 1,091,014 | 541,542 | 83.43% |
| 139 | 0.002618 | 1,970,948 | 161,518 | 0 | 1,301,650 | 507,779 | 83.69% |
| 222 | 0.006532 | 1,980,941 | 5,478 | 0 | 1,515,669 | 459,794 | 84.34% |
| 182 | 0.000642 | 2,095,997 | 139,274 | 0 | 1,413,797 | 542,926 | 84.41% |
| 160 | 0.002618 | 2,114,372 | 10,790 | 0 | 1,526,357 | 577,225 | 84.67% |
| 95 | 0.008986 | 2,218,592 | 58,764 | 0 | 1,610,499 | 549,329 | 85.57% |
| 245 | 0.000642 | 2,255,498 | 755,134 | 0 | 1,084,300 | 416,064 | 85.63% |
| 117 | 0.006532 | 2,311,443 | 22,078 | 0 | 1,743,406 | 545,960 | 86.28% |
| 40 | 0.006532 | 2,393,485 | 158,198 | 0 | 1,666,891 | 568,397 | 86.94% |
| 194 | 0.006532 | 2,448,379 | 92,960 | 0 | 1,784,922 | 570,497 | 87.59% |
| 154 | 0.000642 | 2,515,188 | 4,980 | 0 | 1,930,198 | 580,010 | 87.66% |
| 90 | 0.002618 | 2,621,608 | 28,386 | 0 | 2,021,034 | 572,188 | 87.92% |
| 132 | 0.002618 | 2,656,300 | 131,306 | 0 | 1,931,307 | 593,687 | 88.18% |
| 228 | 0.008986 | 2,727,841 | 323,700 | 0 | 1,744,264 | 659,877 | 89.08% |
| 56 | 0.000642 | 2,764,425 | 633,124 | 0 | 1,530,081 | 601,220 | 89.14% |
| 35 | 0.000642 | 2,869,370 | 46,978 | 0 | 2,197,309 | 625,083 | 89.21% |
| 82 | 0.006532 | 2,873,340 | 50,464 | 0 | 2,344,680 | 478,196 | 89.86% |

| Case | Prob | Total | EUE | Ignore | Reliability Purchases | Secondary CTs | Cum Prob |
|------|----------|-------------|------------|--------|-----------------------|---------------|----------|
| 105 | 0.000642 | 3,081,986 | 18,592 | 0 | 2,524,409 | 538,984 | 89.92% |
| 70 | 0.000642 | 3,118,123 | 239,870 | 0 | 2,338,365 | 539,888 | 89.99% |
| 118 | 0.002618 | 3,138,660 | 163,842 | 0 | 2,303,264 | 671,554 | 90.25% |
| 203 | 0.000642 | 3,194,682 | 337,312 | 0 | 2,274,095 | 583,275 | 90.31% |
| 7 | 0.000642 | 3,218,538 | 14,442 | 0 | 2,627,601 | 576,495 | 90.38% |
| 223 | 0.002618 | 3,397,719 | 153,384 | 0 | 2,638,636 | 605,699 | 90.64% |
| 145 | 0.006532 | 3,398,999 | 188,576 | 0 | 2,530,849 | 679,574 | 91.29% |
| 189 | 0.000642 | 3,471,240 | 12,782 | 0 | 2,916,370 | 542,087 | 91.36% |
| 14 | 0.000642 | 3,599,353 | 30,876 | 0 | 2,966,125 | 602,352 | 91.42% |
| 168 | 0.000642 | 3,670,007 | 30,212 | 0 | 3,030,287 | 609,508 | 91.49% |
| 111 | 0.002618 | 3,694,723 | 673,130 | 0 | 2,641,085 | 380,508 | 91.75% |
| 172 | 0.008986 | 3,726,231 | 992,182 | 0 | 2,222,141 | 511,908 | 92.65% |
| 83 | 0.002618 | 4,046,225 | 39,342 | 0 | 3,405,957 | 600,926 | 92.91% |
| 195 | 0.002618 | 4,158,062 | 79,182 | 0 | 3,339,429 | 739,452 | 93.17% |
| 238 | 0.000642 | 4,712,999 | 89,640 | 0 | 3,934,968 | 688,390 | 93.23% |
| 96 | 0.006532 | 4,759,674 | 258,130 | 0 | 3,813,275 | 688,269 | 93.89% |
| 20 | 0.002618 | 4,895,174 | 748,494 | 0 | 3,247,077 | 899,603 | 94.15% |
| 140 | 0.000642 | 5,350,217 | 606,232 | 0 | 4,066,142 | 677,842 | 94.21% |
| 161 | 0.000642 | 5,373,448 | 122,176 | 0 | 4,509,847 | 741,425 | 94.28% |
| 216 | 0.002618 | 5,855,864 | 717,120 | 0 | 4,448,176 | 690,568 | 94.54% |
| 41 | 0.002618 | 5,939,272 | 703,176 | 0 | 4,482,931 | 753,165 | 94.80% |
| 91 | 0.000642 | 6,031,975 | 240,202 | 0 | 5,036,418 | 755,355 | 94.86% |
| 146 | 0.002618 | 6,398,620 | 901,546 | 0 | 4,638,152 | 858,922 | 95.13% |
| 28 | 0.000642 | 6,844,966 | 1,209,310 | 0 | 4,903,960 | 731,696 | 95.19% |
| 60 | 0.008986 | 7,086,049 | 2,402,850 | 0 | 3,997,699 | 685,499 | 96.09% |
| 133 | 0.000642 | 7,278,952 | 839,794 | 0 | 5,637,021 | 802,137 | 96.15% |
| 196 | 0.000642 | 7,310,794 | 402,218 | 0 | 5,970,078 | 938,498 | 96.22% |
| 229 | 0.006532 | 7,646,040 | 1,885,926 | 0 | 4,909,766 | 850,348 | 96.87% |
| 173 | 0.006532 | 7,807,732 | 3,156,324 | 0 | 4,003,980 | 647,428 | 97.52% |
| 224 | 0.000642 | 9,385,730 | 712,140 | 0 | 7,900,967 | 772,623 | 97.59% |
| 112 | 0.000642 | 9,452,408 | 2,659,818 | 0 | 6,290,633 | 501,958 | 97.65% |
| 119 | 0.000642 | 10,192,581 | 484,720 | 0 | 8,834,206 | 873,656 | 97.72% |
| 84 | 0.000642 | 11,534,401 | 1,826 | 0 | 10,744,622 | 787,953 | 97.78% |
| 97 | 0.002618 | 12,086,217 | 1,363,026 | 0 | 9,818,954 | 904,237 | 98.04% |
| 21 | 0.000642 | 12,252,677 | 5,079,268 | 0 | 6,018,093 | 1,155,316 | 98.11% |
| 217 | 0.000642 | 13,292,358 | 2,333,794 | 0 | 10,062,225 | 896,339 | 98.17% |
| 42 | 0.000642 | 14,296,972 | 2,526,022 | 0 | 10,789,038 | 981,912 | 98.24% |
| 61 | 0.006532 | 15,743,257 | 6,594,350 | 0 | 8,273,605 | 875,302 | 98.89% |
| 230 | 0.002618 | 16,210,418 | 5,270,666 | 0 | 9,877,017 | 1,062,735 | 99.15% |
| 147 | 0.000642 | 17,440,816 | 4,790,760 | 0 | 11,541,843 | 1,108,213 | 99.21% |
| 98 | 0.000642 | 24,830,806 | 4,254,580 | 0 | 19,391,000 | 1,185,226 | 99.28% |
| 174 | 0.002618 | 25,890,976 | 16,860,122 | 0 | 8,204,856 | 825,998 | 99.54% |
| 62 | 0.002618 | 46,683,208 | 32,826,666 | 0 | 12,776,095 | 1,080,447 | 99.80% |
| 231 | 0.000642 | 46,932,388 | 26,659,268 | 0 | 18,941,780 | 1,331,341 | 99.87% |
| 175 | 0.000642 | 67,627,745 | 52,523,396 | 0 | 14,050,726 | 1,053,623 | 99.93% |
| 63 | 0.000642 | 114,445,658 | 98,448,458 | 0 | 14,639,626 | 1,357,574 | 100.00% |

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

In the Matter of:

DEC 19 2011

JOINT APPLICATION OF LOUISVILLE GAS)
AND ELECTRIC COMPANY AND KENTUCKY)
UTILITIES COMPANY FOR A CERTIFICATE)
OF PUBLIC CONVENIENCE AND NECESSITY)
AND SITE COMPATIBILITY CERTIFICATE)
FOR THE CONSTRUCTION OF A COMBINED)
CYCLE COMBUSTION TURBINE AT THE)
CANE RUN GENERATING STATION AND THE)
PURCHASE OF EXISTING SIMPLE CYCLE)
COMBUSTION TURBINE FACILITIES FROM)
BLUEGRASS GENERATION COMPANY, LLC)
IN BUCKNER, KENTUCKY)

PUBLIC SERVICE
COMMISSION

CASE NO. 2011-00375

**JOINT APPLICANTS' PETITION FOR CONFIDENTIAL
PROTECTION AND FOR DEVIATION FROM FILING REQUIREMENTS**

Joint Applicants, Louisville Gas and Electric Company ("LG&E") and Kentucky Utilities Company ("KU") (together, the "Companies"), hereby petition the Kentucky Public Service Commission ("Commission") pursuant to 807 KAR 5:001, Section 7, and KRS 61.878(1)(c) to grant confidential protection for information responsive to the First Set of Requests for Information of the Sierra Club and Natural Resources Defense Council ("Environmental Interveners' DRs") and for permission to file some of the responsive information on external hard disc rather than in hard copy. In support of this Petition, the Companies state as follows:

1. The Kentucky Open Records Act exempts from disclosure certain commercial information. KRS 61.878(1)(c). To qualify for the exemption and, therefore, maintain the confidentiality of the information, a party must establish that the material is of a kind generally recognized to be confidential or proprietary, and the disclosure of which would permit an unfair commercial advantage to competitors of the party seeking confidentiality.

2. The Companies' responses to Items 9, 16, 17, and 18 of the Environmental Interveners' DRs contain confidential information concerning the Companies' projections of future fuel prices, and the Companies' responses to Items 16 and 18 explicitly contain fuel forecast information obtained from vendors concerning projected fuel prices. If the Commission grants public access to this information, the Companies and their customers could be harmed in future negotiations with fuel vendors and in wholesale power transactions, the prices of which are directly affected by fuel prices. Also, if the Commission grants public access to this information, the vendors from whom the Companies purchased the fuel price forecast information at issue could refuse to do business with the utilities in the future. Such a result would do serious harm to the Companies' ability to make prudent fuel contract and other decisions. All such commercial damage would ultimately harm the Companies' customers. Moreover, publicly disclosing such information would do immediate and costly harm to the vendors from which the Companies purchased the fuel forecast information at issue; the firms derive significant revenues from developing and selling such forecasts to customers under strict license agreement obligations not to disclose. Any public disclosure of the forecasts would render them commercially worthless. Thus, the Companies seek confidential protection of this information.

3. The Companies have not disclosed any of the above information outside the Companies, and have internally disclosed the confidential information at issue herein only to those employees with a business need to know it.

4. If the Commission disagrees with any of these requests for confidential protection, it must hold an evidentiary hearing (a) to protect the Companies' due process rights and (b) to supply with the Commission with a complete record to enable it to reach a decision

with regard to this matter. Utility Regulatory Commission v. Kentucky Water Service Company, Inc., 642 S.W.2d 591, 592-94 (Ky. App. 1982).

5. The Companies will disclose the confidential information pursuant to a confidentiality agreement executed by intervenors and others with a legitimate interest in this information and as required by the Commission.

6. 807 KAR 5:001, Section 7(2) requires the Companies to file one copy of the material which identifies by highlighting the information for which confidential protection is sought and ten copies of the material with the confidential information obscured. For Items 16 and 17, the responsive documents are confidential in their entirety and are enclosed.

7. The attachments to the responses to Items 9 and 18 of the Environmental Interveners' DRs are voluminous, containing over 60 gigabytes of data—which would consume over 85 standard CD-ROM discs—and would be mostly unintelligible in hard copy format because they are intended to be read on a computer. Therefore, the Companies request permission pursuant to 807 KAR 5:001 § 14 to deviate from the requirement to file an original and ten copies of these documents and, instead, request permission to submit and serve this information on external hard discs.

WHEREFORE, the Companies respectfully request that the Commission grant confidential protection for the information at issue, or in the alternative, schedule an evidentiary hearing on all factual issues while maintaining the confidentiality of the information pending the outcome of the hearing. The Companies further request approval to deviate from the standard filing requirements and submit the above-described information on compact disc.

Dated: December 19, 2011

Respectfully submitted,



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CERTIFICATE OF SERVICE

This is to certify that the foregoing pleading has been served by mailing a copy of same, postage prepaid, to the following persons on the 19th day of December 2011:

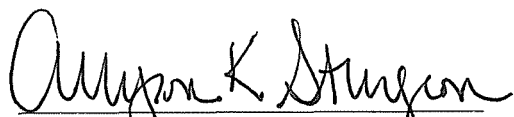
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