

## Supplementary Material

### I. Overhead simulations

Here we present tables of the protocols used in producing the graphs of Fig. 6. Each table is a sample of the data points from these graphs. Throughout “RM” refers the Reed-Muller protocol (15-to-1), “Toff” refers to the Toffoli protocol (8  $T$  to one 3-qubit Toffoli state) and otherwise protocols are labelled by the ‘ $k$ ’ value of the Bravyi-Haah protocol involved. The initial round of distillation is the first number. Where a large jump in the “Number of magic states” column is observed the same protocol is being used between these values as that indicated at the start and end of the gap.

$9.00 \times 10^{24}$	{RM,2,18}
$9.00 \times 10^{24}$	{RM,2,18}
$2.00 \times 10^{25}$	{RM,2,10}
$5.00 \times 10^{26}$	{RM,2,10}
$6.00 \times 10^{26}$	{RM,42,2}
$7.00 \times 10^{26}$	{RM,42,2}
$1.00 \times 10^{27}$	{RM,34,2}
$3.00 \times 10^{27}$	{RM,26,2}
$3.00 \times 10^{27}$	{RM,26,2}
$6.00 \times 10^{27}$	{RM,18,2}
$9.00 \times 10^{27}$	{RM,18,2}
$5.00 \times 10^{28}$	{RM,10,2}
$2.00 \times 10^{30}$	{RM,1,26}
$8.00 \times 10^{30}$	{RM,1,26}

### 2. Module checking

#### A. $T$ states, $p_g = 10^{-3}$

##### 1. Block Checking

Number of magic states	MSD protocol
100000.	{2,10}
200000.	{10,26}
600000.	{2,10}
$1.00 \times 10^8$	{2,10}
$5.00 \times 10^8$	{RM,10}
$2.30 \times 10^{13}$	{RM,10}
$3.00 \times 10^{13}$	{RM,2}
$2.00 \times 10^{14}$	{RM,2}
$3.00 \times 10^{14}$	{2,10,26}
$6.00 \times 10^{14}$	{2,10,26}
$7.00 \times 10^{14}$	{2,10,18}
$9.00 \times 10^{14}$	{2,10,18}
$3.00 \times 10^{15}$	{2,2,34}
$4.00 \times 10^{15}$	{2,2,34}
$7.00 \times 10^{15}$	{2,2,26}
$1.00 \times 10^{16}$	{2,2,26}
$3.00 \times 10^{20}$	{RM,18,26}
$4.00 \times 10^{20}$	{RM,18,26}
$2.00 \times 10^{21}$	{RM,10,34}
$2.00 \times 10^{21}$	{RM,10,34}
$5.00 \times 10^{21}$	{RM,34,18}
$5.00 \times 10^{21}$	{RM,34,18}
$1.00 \times 10^{22}$	{RM,26,18}
$1.00 \times 10^{22}$	{RM,26,18}
$3.00 \times 10^{22}$	{RM,18,18}
$3.00 \times 10^{22}$	{RM,18,18}
$4.00 \times 10^{22}$	{RM,34,10}
$4.00 \times 10^{22}$	{RM,34,10}
$8.00 \times 10^{22}$	{RM,26,10}
$8.00 \times 10^{22}$	{RM,26,10}
$2.00 \times 10^{23}$	{RM,10,18}
$2.00 \times 10^{23}$	{RM,10,18}
$3.00 \times 10^{23}$	{RM,18,10}
$4.00 \times 10^{23}$	{RM,10,10}
$6.00 \times 10^{24}$	{RM,10,10}

Number of magic states	MSD protocol
600000.	{34,42}
700000.	{34,34}
800000.	{34,58}
$2.00 \times 10^6$	{34,34}
$3.00 \times 10^6$	{26,74}
$4.00 \times 10^6$	{26,58}
$6.00 \times 10^6$	{34,34}
$7.00 \times 10^6$	{26,74}
$8.00 \times 10^6$	{26,74}
$2.00 \times 10^7$	{34,34}
$3.00 \times 10^7$	{26,74}
$4.00 \times 10^7$	{26,50}
$6.00 \times 10^7$	{34,34}
$7.00 \times 10^7$	{26,74}
$2.00 \times 10^8$	{26,74}
$3.00 \times 10^8$	{26,66}
$4.00 \times 10^8$	{26,50}
$6.00 \times 10^8$	{34,26}
$7.00 \times 10^8$	{34,26}
$8.00 \times 10^8$	{18,42}
$2.00 \times 10^9$	{18,18}
$3.00 \times 10^9$	{10,18}
$4.00 \times 10^9$	{10,10}
$7.00 \times 10^9$	{10,10}
$8.00 \times 10^9$	{2,10}
$2.00 \times 10^{10}$	{10,2}
$3.00 \times 10^{10}$	{2,2}
$4.00 \times 10^{10}$	{2,2}
$6.00 \times 10^{10}$	{10,26,18}
$8.00 \times 10^{10}$	{10,26,18}
$1.20 \times 10^{11}$	{10,18,26}
$2.00 \times 10^{11}$	{10,18,26}
$2.80 \times 10^{11}$	{10,26,18}
$3.20 \times 10^{11}$	{10,18,26}
$6.00 \times 10^{11}$	{10,18,26}
$6.40 \times 10^{11}$	{10,26,18}
$8.00 \times 10^{11}$	{10,26,18}
$1.08 \times 10^{12}$	{10,18,26}
$1.28 \times 10^{12}$	{10,18,26}

$1.60 \times 10^{12}$	{10,18,26}
$2.00 \times 10^{12}$	{10,26,18}
$2.56 \times 10^{12}$	{10,26,18}
$3.24 \times 10^{12}$	{10,18,26}
$4.00 \times 10^{12}$	{10,18,26}
$5.12 \times 10^{12}$	{10,18,26}
$6.48 \times 10^{12}$	{10,26,18}
$8.00 \times 10^{12}$	{10,26,18}
$1.02 \times 10^{13}$	{10,18,26}
$1.79 \times 10^{13}$	{10,18,26}
$2.00 \times 10^{13}$	{10,26,18}
$3.00 \times 10^{13}$	{10,18,26}
$4.00 \times 10^{13}$	{10,18,26}
$6.00 \times 10^{13}$	{82,82,74}
$7.00 \times 10^{13}$	{10,26,18}
$8.00 \times 10^{13}$	{82,82,82}
$2.00 \times 10^{14}$	{10,26,18}
$3.00 \times 10^{14}$	{82,82,82}
$4.00 \times 10^{14}$	{82,82,82}
$6.00 \times 10^{14}$	{82,82,74}
$7.00 \times 10^{14}$	{10,26,18}
$8.00 \times 10^{14}$	{82,82,82}
$2.00 \times 10^{15}$	{82,82,66}
$3.00 \times 10^{15}$	{82,82,82}
$4.00 \times 10^{15}$	{82,82,82}
$6.00 \times 10^{15}$	{82,82,66}
$7.00 \times 10^{15}$	{82,82,82}
$8.00 \times 10^{15}$	{82,82,82}
$2.00 \times 10^{16}$	{82,82,66}
$3.00 \times 10^{16}$	{82,82,82}
$4.00 \times 10^{16}$	{82,82,82}
$6.00 \times 10^{16}$	{82,82,66}
$7.00 \times 10^{16}$	{82,82,82}
$8.00 \times 10^{19}$	{82,82,82}
$2.00 \times 10^{18}$	{58,82,58}
$3.00 \times 10^{18}$	{10,18,26}
$4.00 \times 10^{18}$	{10,18,26}
$6.00 \times 10^{18}$	{10,18,18}
$7.00 \times 10^{18}$	{10,18,26}
$8.00 \times 10^{19}$	{10,18,26}
$2.00 \times 10^{20}$	{10,18,18}
$3.00 \times 10^{20}$	{10,10,18}
$4.00 \times 10^{20}$	{10,10,10}
$7.00 \times 10^{20}$	{10,10,10}
$8.00 \times 10^{20}$	{10,2,10}
$2.00 \times 10^{21}$	{10,10,2}
$1.00 \times 10^{22}$	{RM,30,30}
$1.00 \times 10^{23}$	{RM,70,78}
$1.00 \times 10^{24}$	{RM,70,78}
$1.00 \times 10^{25}$	{RM,70,70}
$1.00 \times 10^{26}$	{RM,70,70}
$1.00 \times 10^{27}$	{RM,62,70}
$1.00 \times 10^{28}$	{RM,70,62}
$1.00 \times 10^{29}$	{RM,78,54}
$1.00 \times 10^{30}$	{RM,14,30}

## B. Toffoli states, $p_g = 10^{-3}$

### 1. Block checking

Number of magic states MSD protocol	
33300.	{10,Toff}
100000.	{10,Toff}
133000.	{Toff,18}
200000.	{Toff,10}
333000.	{10,Toff}
$1.00 \times 10^6$	{2,Toff}
$3.33 \times 10^7$	{2,Toff}
$7.14 \times 10^7$	{RM,10}
$3.29 \times 10^{12}$	{RM,10}
$4.27 \times 10^{12}$	{2,50,Toff}
$5.12 \times 10^{12}$	{2,42,Toff}
$6.83 \times 10^{12}$	{2,42,Toff}
$1.00 \times 10^{13}$	{2,34,Toff}
$1.67 \times 10^{13}$	{2,26,Toff}
$2.00 \times 10^{13}$	{2,18,Toff}
$3.33 \times 10^{13}$	{2,18,Toff}
$1.00 \times 10^{14}$	{2,10,Toff}
$3.00 \times 10^{14}$	{2,10,Toff}
$3.33 \times 10^{14}$	{2,2,Toff}
$3.33 \times 10^{15}$	{2,2,Toff}
$4.29 \times 10^{19}$	{RM,18,26}
$5.71 \times 10^{19}$	{RM,18,26}
$2.86 \times 10^{20}$	{RM,10,34}
$7.14 \times 10^{20}$	{RM,34,18}
$1.43 \times 10^{21}$	{RM,26,18}
$4.29 \times 10^{21}$	{RM,18,18}
$5.71 \times 10^{21}$	{RM,34,10}
$1.14 \times 10^{22}$	{RM,26,10}
$1.43 \times 10^{22}$	{RM,26,10}
$2.86 \times 10^{22}$	{RM,10,18}
$4.29 \times 10^{22}$	{RM,18,10}
$5.71 \times 10^{22}$	{RM,10,10}
$8.57 \times 10^{23}$	{RM,10,10}
$1.29 \times 10^{24}$	{RM,2,18}
$2.86 \times 10^{24}$	{RM,2,10}
$7.14 \times 10^{25}$	{RM,2,10}
$8.57 \times 10^{25}$	{RM,42,2}
$1.43 \times 10^{26}$	{RM,34,2}
$4.29 \times 10^{26}$	{RM,26,2}
$8.57 \times 10^{26}$	{RM,18,2}
$1.29 \times 10^{27}$	{RM,18,2}
$7.14 \times 10^{27}$	{RM,10,2}
$2.86 \times 10^{29}$	{RM,1,26}
$1.14 \times 10^{30}$	{RM,1,26}
$1.29 \times 10^{30}$	{RM,1,34}

### 2. Module checking

Number of magic states MSD protocol	
33300.	{18,Toff}
$1.00 \times 10^6$	{18,Toff}
$1.33 \times 10^6$	{Toff,18}
$1.67 \times 10^6$	{10,Toff}
$3.33 \times 10^9$	{10,Toff}
$6.67 \times 10^9$	{Toff,2}
$1.00 \times 10^{10}$	{Toff,2}
$1.67 \times 10^{10}$	{Toff,42,26}
$2.00 \times 10^{10}$	{Toff,42,26}
$3.33 \times 10^{10}$	{Toff,34,42}
$4.00 \times 10^{10}$	{Toff,34,42}

$5.33 \times 10^{10}$	{Toff,42,26}	$2.30 \times 10^{13}$	{RM,34}
$6.67 \times 10^{10}$	{Toff,42,26}	$4.00 \times 10^{13}$	{RM,18}
$8.00 \times 10^{10}$	{Toff,34,42}	$1.00 \times 10^{14}$	{RM,34}
$1.07 \times 10^{11}$	{Toff,34,42}	$2.00 \times 10^{14}$	{RM,34}
$1.33 \times 10^{11}$	{Toff,42,34}	$3.00 \times 10^{14}$	{RM,18}
$1.67 \times 10^{11}$	{18,34,Toff}	$2.00 \times 10^{15}$	{RM,34}
$2.00 \times 10^{11}$	{18,34,Toff}	$3.00 \times 10^{15}$	{RM,18}
$2.67 \times 10^{11}$	{Toff,34,42}	$1.00 \times 10^{16}$	{RM,34}
$4.27 \times 10^{11}$	{Toff,34,34}	$2.00 \times 10^{16}$	{RM,26}
$5.33 \times 10^{11}$	{18,34,Toff}	$3.00 \times 10^{16}$	{RM,18}
$6.40 \times 10^{11}$	{18,34,Toff}	$8.00 \times 10^{16}$	{RM,34}
$8.53 \times 10^{11}$	{Toff,34,42}	$2.00 \times 10^{17}$	{RM,26}
$1.33 \times 10^{12}$	{Toff,34,34}	$3.00 \times 10^{17}$	{RM,18}
$1.67 \times 10^{12}$	{18,34,Toff}	$6.00 \times 10^{17}$	{RM,34}
$3.33 \times 10^{19}$	{18,34,Toff}	$1.00 \times 10^{18}$	{RM,26}
$6.67 \times 10^{19}$	{18,26,Toff}	$3.00 \times 10^{18}$	{RM,18}
$1.00 \times 10^{20}$	{18,18,Toff}	$4.00 \times 10^{18}$	{RM,18}
$1.67 \times 10^{20}$	{10,18,Toff}	$2.00 \times 10^{19}$	{RM,10}
$2.00 \times 10^{20}$	{10,10,Toff}	$4.00 \times 10^{19}$	{2,74,58}
$3.33 \times 10^{20}$	{10,10,Toff}	$7.00 \times 10^{19}$	{2,58,58}
$3.33 \times 10^{21}$	{RM,98,Toff}	$9.00 \times 10^{19}$	{2,50,58}
$3.33 \times 10^{22}$	{RM,58,Toff}	$2.00 \times 10^{20}$	{2,34,58}
$3.33 \times 10^{23}$	{RM,98,Toff}	$3.00 \times 10^{20}$	{2,26,58}
$3.33 \times 10^{24}$	{RM,54,Toff}	$4.00 \times 10^{20}$	{2,18,66}
$3.33 \times 10^{25}$	{RM,98,Toff}	$7.00 \times 10^{20}$	{2,18,58}
$3.33 \times 10^{26}$	{RM,46,Toff}	$8.00 \times 10^{20}$	{2,10,66}
$3.33 \times 10^{27}$	{RM,98,Toff}	$2.00 \times 10^{21}$	{2,10,58}
$3.33 \times 10^{28}$	{RM,42,Toff}	$3.00 \times 10^{21}$	{2,42,26}
$3.33 \times 10^{29}$	{RM,6,Toff}	$5.00 \times 10^{21}$	{2,34,26}
		$9.00 \times 10^{21}$	{2,26,26}
		$2.00 \times 10^{22}$	{2,18,18}
		$3.00 \times 10^{22}$	{2,18,18}
		$6.00 \times 10^{22}$	{2,10,26}
		$9.00 \times 10^{22}$	{2,10,18}
		$3.00 \times 10^{29}$	{RM,66,66}
		$4.00 \times 10^{29}$	{RM,58,66}
		$6.00 \times 10^{29}$	{RM,50,66}
		$7.00 \times 10^{29}$	{RM,50,58}
		$8.00 \times 10^{29}$	{RM,42,50}
		$2.00 \times 10^{30}$	{RM,34,66}
		$5.00 \times 10^{30}$	{RM,26,66}
		$6.00 \times 10^{30}$	{RM,18,66}
		$7.00 \times 10^{30}$	{RM,18,58}
		$8.00 \times 10^{30}$	{RM,18,50}

## C. $T$ states, $p_g = 10^{-4}$

### 1. Block checking

Number of magic states MSD protocol

100000.	{10}
200000.	{10}
300000.	{2}
800000.	{2}
$6.00 \times 10^6$	{10,18}
$1.00 \times 10^7$	{18,10}
$6.00 \times 10^7$	{10,18}
$9.00 \times 10^7$	{18,10}
$4.00 \times 10^8$	{10,26}
$9.00 \times 10^8$	{18,10}
$3.00 \times 10^9$	{10,26}
$5.00 \times 10^9$	{10,18}
$8.00 \times 10^9$	{10,10}
$2.00 \times 10^{10}$	{2,34}
$3.00 \times 10^{10}$	{2,26}
$4.00 \times 10^{10}$	{2,18}
$1.60 \times 10^{11}$	{2,34}
$2.40 \times 10^{11}$	{2,34}
$3.20 \times 10^{11}$	{2,26}
$4.00 \times 10^{11}$	{2,18}
$9.00 \times 10^{11}$	{2,26}
$1.08 \times 10^{12}$	{2,18}
$2.24 \times 10^{12}$	{RM,34}
$3.00 \times 10^{12}$	{RM,26}
$4.32 \times 10^{12}$	{RM,18}

### 2. Module checking

Number of magic states MSD protocol

$5.00 \times 10^7$	{18,18}
$6.00 \times 10^7$	{18,18}
$7.00 \times 10^7$	{18,10}
$8.00 \times 10^7$	{18,10}
$2.00 \times 10^8$	{18,18}
$6.00 \times 10^8$	{18,18}
$7.00 \times 10^8$	{18,10}
$8.00 \times 10^8$	{18,10}
$2.00 \times 10^9$	{18,18}
$4.00 \times 10^9$	{18,18}
$6.00 \times 10^9$	{18,10}
$8.00 \times 10^9$	{18,10}

$2.00 \times 10^{10}$	{10,26}
$3.00 \times 10^{10}$	{10,26}
$4.00 \times 10^{10}$	{10,18}
$6.00 \times 10^{10}$	{18,10}
$8.00 \times 10^{10}$	{18,10}
$1.20 \times 10^{11}$	{10,26}
$3.20 \times 10^{11}$	{10,26}
$4.00 \times 10^{11}$	{10,18}
$6.00 \times 10^{11}$	{18,10}
$8.00 \times 10^{11}$	{18,10}
$1.08 \times 10^{12}$	{10,26}
$3.24 \times 10^{12}$	{10,26}
$4.00 \times 10^{12}$	{10,18}
$5.12 \times 10^{12}$	{18,10}
$6.48 \times 10^{12}$	{18,10}
$8.00 \times 10^{12}$	{10,26}
$2.00 \times 10^{13}$	{10,26}
$3.00 \times 10^{13}$	{10,18}
$4.00 \times 10^{13}$	{10,10}
$7.00 \times 10^{13}$	{10,10}
$8.00 \times 10^{13}$	{2,10}
$2.00 \times 10^{14}$	{10,2}
$3.00 \times 10^{14}$	{2,2}
$4.00 \times 10^{14}$	{2,2}
$1.00 \times 10^{20}$	{RM,38}
$1.00 \times 10^{21}$	{RM,38}
$1.00 \times 10^{22}$	{RM,38}
$2.00 \times 10^{22}$	{18,58,82}
$6.00 \times 10^{22}$	{18,58,82}
$7.00 \times 10^{22}$	{18,58,74}
$8.00 \times 10^{22}$	{18,66,66}
$2.00 \times 10^{23}$	{18,58,82}
$6.00 \times 10^{23}$	{18,58,82}
$7.00 \times 10^{23}$	{18,58,74}
$8.00 \times 10^{23}$	{18,66,66}
$2.00 \times 10^{24}$	{18,58,82}
$6.00 \times 10^{24}$	{18,58,82}
$7.00 \times 10^{24}$	{18,58,66}
$8.00 \times 10^{24}$	{18,66,58}
$2.00 \times 10^{25}$	{18,58,82}
$6.00 \times 10^{25}$	{18,58,82}
$7.00 \times 10^{25}$	{18,58,66}
$8.00 \times 10^{25}$	{18,66,58}
$2.00 \times 10^{26}$	{18,50,82}
$3.00 \times 10^{26}$	{18,50,82}
$4.00 \times 10^{26}$	{18,50,82}
$6.00 \times 10^{26}$	{18,58,74}
$7.00 \times 10^{26}$	{18,58,66}
$8.00 \times 10^{26}$	{18,66,58}
$2.00 \times 10^{27}$	{18,34,50}
$3.00 \times 10^{27}$	{18,26,42}
$4.00 \times 10^{27}$	{18,26,34}
$6.00 \times 10^{27}$	{10,18,58}
$7.00 \times 10^{27}$	{10,26,34}
$8.00 \times 10^{27}$	{10,18,42}
$2.00 \times 10^{28}$	{10,18,18}
$3.00 \times 10^{28}$	{10,18,10}
$4.00 \times 10^{28}$	{10,10,10}
$7.00 \times 10^{28}$	{10,10,10}
$1.00 \times 10^{29}$	{RM,30,30}
$1.00 \times 10^{30}$	{RM,78,78}

## D. Toffoli states, $p_g = 10^{-4}$

### 1. Block checking

Number of magic states MSD protocol

33300.	{Toff}
66700.	{Toff}
100000.	{Toff,34}
200000.	{10,Toff}
267000.	{10,Toff}
333000.	{Toff,10}
$1.00 \times 10^6$	{Toff,42}
$1.33 \times 10^6$	{Toff,26}
$2.00 \times 10^6$	{Toff,18}
$3.33 \times 10^6$	{Toff,10}
$6.67 \times 10^6$	{Toff,50}
$2.00 \times 10^7$	{10,Toff}
$3.00 \times 10^7$	{42,Toff}
$3.33 \times 10^7$	{34,Toff}
$1.00 \times 10^8$	{26,Toff}
$1.67 \times 10^8$	{18,Toff}
$3.33 \times 10^8$	{18,Toff}
$6.67 \times 10^8$	{Toff,50}
$1.67 \times 10^9$	{10,Toff}
$3.33 \times 10^9$	{Toff,50}
$1.33 \times 10^{10}$	{2,Toff}
$3.60 \times 10^{11}$	{2,Toff}
$4.29 \times 10^{11}$	{RM,26}
$6.17 \times 10^{11}$	{RM,18}
$3.29 \times 10^{12}$	{RM,34}
$5.71 \times 10^{12}$	{RM,18}
$1.43 \times 10^{13}$	{RM,34}
$2.86 \times 10^{13}$	{RM,34}
$4.29 \times 10^{13}$	{RM,18}
$2.86 \times 10^{14}$	{RM,34}
$4.29 \times 10^{14}$	{RM,18}
$1.43 \times 10^{15}$	{RM,34}
$2.86 \times 10^{15}$	{RM,26}
$4.29 \times 10^{15}$	{RM,18}
$1.14 \times 10^{16}$	{RM,34}
$1.67 \times 10^{16}$	{Toff,26,42}
$3.33 \times 10^{16}$	{Toff,18,50}
$6.67 \times 10^{16}$	{Toff,26,26}
$8.57 \times 10^{16}$	{RM,34}
$1.43 \times 10^{17}$	{RM,26}
$4.29 \times 10^{17}$	{RM,18}
$5.71 \times 10^{17}$	{RM,18}
$6.67 \times 10^{17}$	{10,18,Toff}
$1.33 \times 10^{18}$	{Toff,26,74}
$2.67 \times 10^{18}$	{Toff,18,74}
$3.33 \times 10^{18}$	{Toff,26,58}
$1.00 \times 10^{19}$	{Toff,18,82}
$2.00 \times 10^{19}$	{Toff,10,82}
$2.67 \times 10^{19}$	{Toff,10,74}
$3.33 \times 10^{19}$	{2,10,Toff}
$3.00 \times 10^{22}$	{2,10,Toff}
$6.67 \times 10^{22}$	{2,2,Toff}
$3.33 \times 10^{23}$	{2,2,Toff}
$4.29 \times 10^{28}$	{RM,66,66}
$5.71 \times 10^{28}$	{RM,58,66}

$8.57 \times 10^{28}$	{RM,50,66}
$1.14 \times 10^{29}$	{RM,42,50}
$1.43 \times 10^{29}$	{RM,42,42}
$2.86 \times 10^{29}$	{RM,34,66}
$7.14 \times 10^{29}$	{RM,26,66}
$8.57 \times 10^{29}$	{RM,18,66}
$1.14 \times 10^{30}$	{RM,18,50}
$1.29 \times 10^{30}$	{RM,18,42}

## 2. Module checking

Number of magic states MSD protocol

$1.33 \times 10^6$	{42,Toff}
$1.33 \times 10^{12}$	{42,Toff}
$1.67 \times 10^{12}$	{34,Toff}
$6.67 \times 10^{12}$	{34,Toff}
$1.00 \times 10^{13}$	{26,Toff}
$1.33 \times 10^{13}$	{18,Toff}
$1.67 \times 10^{13}$	{18,Toff}
$2.00 \times 10^{13}$	{10,Toff}
$3.33 \times 10^{13}$	{10,Toff}
$6.67 \times 10^{13}$	{Toff,2}

$1.00 \times 10^{14}$	{Toff,2}
$3.33 \times 10^{14}$	{RM,10,Toff}
$3.33 \times 10^{15}$	{RM,10,Toff}
$3.33 \times 10^{16}$	{RM,10,Toff}
$6.67 \times 10^{16}$	{74,82,Toff}
$6.67 \times 10^{26}$	{74,58,Toff}
$1.00 \times 10^{27}$	{82,34,Toff}
$1.33 \times 10^{27}$	{82,26,Toff}
$1.67 \times 10^{27}$	{26,74,Toff}
$2.00 \times 10^{27}$	{26,58,Toff}
$2.67 \times 10^{27}$	{26,42,Toff}
$3.33 \times 10^{27}$	{26,34,Toff}
$6.67 \times 10^{27}$	{18,26,Toff}
$1.00 \times 10^{28}$	{18,18,Toff}
$1.33 \times 10^{28}$	{10,18,Toff}
$1.67 \times 10^{28}$	{10,18,Toff}
$2.00 \times 10^{28}$	{10,10,Toff}
$3.33 \times 10^{28}$	{10,10,Toff}
$3.33 \times 10^{29}$	{RM,10,Toff}
$3.33 \times 10^{31}$	{RM,10,Toff}
$3.33 \times 10^{32}$	{RM,6,Toff}
$3.33 \times 10^{33}$	{RM,10,Toff}
$3.33 \times 10^{34}$	{RM,10,Toff}