

## OBD level progress versus date

Level	# of exponents	to bits	date reached	date approx	reference
0	0	66	2004-03-14		<a href="https://mersenneforum.org/showpost.php?p=23811&amp;postcount=1">https://mersenneforum.org/showpost.php?p=23811&amp;postcount=1</a>
1	1	67	2004-03-26		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
2	2	68	2004-04-07		<a href="https://mersenneforum.org/showpost.php?p=25640&amp;postcount=70">https://mersenneforum.org/showpost.php?p=25640&amp;postcount=70</a>
3	3	69	2004-04-12		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
4	4	70	2004-05-03		<a href="https://mersenneforum.org/showpost.php?p=27803&amp;postcount=183">https://mersenneforum.org/showpost.php?p=27803&amp;postcount=183</a>
5	5	71	2004-05-22		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
6	6	72	2004-07-23		<a href="https://mersenneforum.org/showpost.php?p=35699&amp;postcount=366">https://mersenneforum.org/showpost.php?p=35699&amp;postcount=366</a>
7	7	73	2005-01-28		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
7.22222			2005-10-24		<a href="https://mersenneforum.org/showpost.php?p=64018&amp;postcount=22">https://mersenneforum.org/showpost.php?p=64018&amp;postcount=22</a>
8	8	74	2006-05-10		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
9	9	75	2007-12-03		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
10	10	76	2009-05-16		<a href="https://web.archive.org/web/20120212185830/http://home.earthlink.net/~elevensmooth/Billion.html">https://web.archive.org/web/20120212185830/http://home.earthlink.net/~elevensmooth/Billion.html</a>
11	11	77	2009-05-28		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
12	12	78	2009-09-16		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
13	13	79	2010-06-06		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
14	14	80	2010-06-15		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
15	15	81	2010-11-26		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
16	16	82	2011-07-04		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
17	17	83	2011-07-22		<a href="https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2">https://mersenneforum.org/showpost.php?p=589049&amp;postcount=2</a>
18	18	84	2012-06-12		<a href="http://web.archive.org/web/20190222204546/home.earthlink.net/~elevensmooth/Billion.html">http://web.archive.org/web/20190222204546/home.earthlink.net/~elevensmooth/Billion.html</a>
19	19	85	2012-08-26		<a href="http://web.archive.org/web/20190222204546/home.earthlink.net/~elevensmooth/Billion.html">http://web.archive.org/web/20190222204546/home.earthlink.net/~elevensmooth/Billion.html</a>
19.35			2013-10-20	y	<a href="http://web.archive.org/web/20131020052925/home.earthlink.net/~elevensmooth/Billion.html">http://web.archive.org/web/20131020052925/home.earthlink.net/~elevensmooth/Billion.html</a>
20	20	86	2019-11-11	y	<a href="https://mersenneforum.org/showpost.php?p=530338&amp;postcount=2">https://mersenneforum.org/showpost.php?p=530338&amp;postcount=2</a>
21	21	87			
21.1304			2020-03-07	y	<a href="http://web.archive.org/web/20200307093419/https://www.mersenne.ca/obd">http://web.archive.org/web/20200307093419/https://www.mersenne.ca/obd</a>
21.3478			2021-03-08	y	<a href="http://web.archive.org/web/20210308145544/https://www.mersenne.ca/obd">http://web.archive.org/web/20210308145544/https://www.mersenne.ca/obd</a>
21.6087			2021-09-29		<a href="https://www.mersenne.ca/obd">https://www.mersenne.ca/obd</a>
22.1667	22	88	2021-10-27		<a href="https://mersenneforum.org/showpost.php?p=591829&amp;postcount=9">https://mersenneforum.org/showpost.php?p=591829&amp;postcount=9</a>
22.5			2022-01-13		<a href="https://www.mersenne.ca/obd">https://www.mersenne.ca/obd</a>
23	23	89	2022-03-19		<a href="https://www.mersenne.ca/obd">https://www.mersenne.ca/obd</a>
24	24	90			
25	25	91			
26	26	92			TF sufficient level
27	27	P-1 s1			P-1 stage 1 bounds sufficient & completed
28	28	P-1 s2			P-1 stage 2 bounds sufficient & completed
29	29	PRP & proof			Requires software development
30	30	CERT			Requires software development

Decimal levels are computed here as integer level completed + (( N finished to next bit level +1 ) / (next level +1 )), ~piece-wise linear interpolation between integer levels, for graphing purposes, which is NOT the same as the standard OBD xx.y(or yy) representation. (I've included level 26 here because the high SP/DP ratios of recent NVIDIA GPUs > 32:1 suggest going to 92 bits TF for gigadigit candidates)

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