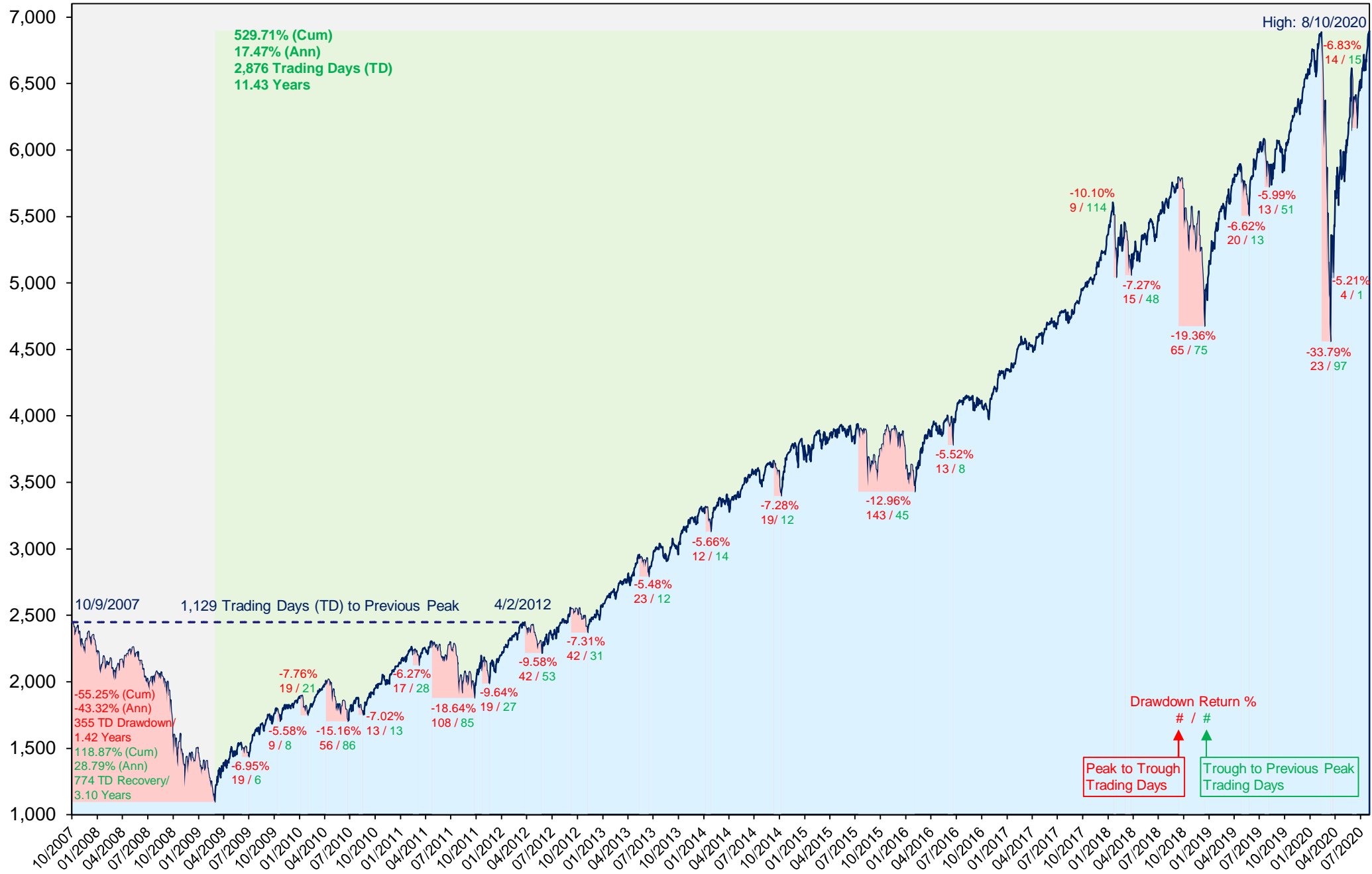


S&P 500 Total Return Index History

Drawdowns of Greater Than 5% Since Index Pre-Crisis Peak

10/9/2007 – 8/10/2020

S&P 500 Total Return Index Level



Source: AndCo Consulting, using data and information derived from Bloomberg.



S&P 500 Total Return Index History
Trading Day Drawdowns of Greater Than 5% (Mutually-Exclusive)
1/1/1990 – 8/10/2020

Drawdown Start	Drawdown Trading Days	Cumulative Drawdown Return	Drawdown Conclusion	Recovery Trading Days	Recovery / Drawdown Trading Days Ratio
1/3/1990	20	-10.04%	5/21/1990	77	3.9
7/17/1990	62	-19.18%	2/11/1991	84	1.4
4/18/1991	20	-5.29%	5/31/1991	11	0.6
11/14/1991	11	-5.46%	12/23/1991	16	1.5
1/16/1992	59	-5.58%	5/11/1992	22	0.4
9/15/1992	19	-5.14%	11/19/1992	29	1.5
2/3/1994	41	-8.47%	8/29/1994	102	2.5
8/31/1994	70	-5.69%	2/2/1995	38	0.5
6/6/1996	34	-7.41%	9/13/1996	36	1.1
2/19/1997	37	-9.38%	5/5/1997	16	0.4
8/7/1997	17	-6.21%	10/2/1997	23	1.4
10/8/1997	14	-10.75%	12/5/1997	28	2.0
12/8/1997	23	-5.56%	1/29/1998	13	0.6
7/20/1998	31	-19.19%	11/23/1998	59	1.9
4/13/1999	5	-5.08%	4/22/1999	3	0.6
5/14/1999	10	-6.25%	6/30/1999	23	2.3
7/19/1999	64	-11.80%	11/16/1999	22	0.3
1/3/2000	38	-9.09%	3/21/2000	17	0.4
3/27/2000	15	-11.14%	9/1/2000	97	6.5
9/5/2000	529	-47.41%	10/23/2006	1,017	1.9
2/21/2007	9	-5.77%	4/16/2007	29	3.2
7/20/2007	19	-9.27%	10/5/2007	36	1.9
10/10/2007	355	-55.25%	4/2/2012	774	2.2
4/3/2012	42	-9.58%	8/6/2012	53	1.3
9/17/2012	42	-7.31%	1/2/2013	31	0.7
5/22/2013	23	-5.58%	7/11/2013	12	0.5
1/6/2014	12	-5.72%	2/24/2014	14	1.2
9/19/2014	19	-7.28%	10/31/2014	12	0.6
7/21/2015	143	-12.96%	4/18/2016	45	0.3
6/9/2016	13	-5.52%	7/8/2016	8	0.6
1/26/2018	9	-10.10%	7/25/2018	114	12.7
9/21/2018	65	-19.36%	4/12/2019	75	1.2
5/6/2019	20	-6.62%	6/30/2019	13	0.7
7/29/2019	13	-5.99%	10/25/2019	51	3.9
2/20/2020	23	-33.79%	8/10/2020	97	4.2
Average	56	-11.83%	-	88	1.6



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