

Name	TBF	K	FBSft	FBMd	GBSft	GBMd	IFFB	Good%	GBHd	FBHd	LDSft	LDMd	LDHd	BB	HBP	Bad%	Gd-Bad%
Jacob deGrom	72	31%	3%	7%	17%	22%	1%	81%	8%	7%	0%	3%	4%	0%	0%	22%	+59%
Ervin Santana	75	20%	9%	15%	5%	23%	4%	76%	4%	9%	0%	5%	4%	0%	0%	22%	+54%
Dallas Keuchel	103	21%	1%	9%	20%	22%	0%	73%	4%	7%	0%	2%	5%	1%	0%	19%	+54%
Max Scherzer	76	32%	8%	14%	4%	16%	3%	77%	5%	9%	1%	8%	0%	1%	0%	24%	+53%
Jake Arrieta	73	29%	8%	12%	8%	16%	4%	77%	7%	8%	0%	0%	8%	1%	0%	24%	+53%
Jerad Eickhoff	79	23%	1%	27%	8%	13%	1%	73%	9%	6%	0%	3%	4%	0%	0%	22%	+51%
Luis Severino	76	36%	5%	7%	9%	18%	3%	78%	8%	11%	0%	7%	4%	0%	0%	30%	+48%
Andrew Triggs	69	13%	4%	16%	7%	30%	1%	71%	4%	10%	1%	4%	4%	0%	0%	23%	+48%
James Paxton	75	29%	7%	16%	3%	16%	4%	75%	4%	12%	3%	4%	5%	0%	0%	28%	+47%
Miguel Gonzalez	80	19%	8%	16%	6%	20%	3%	72%	8%	10%	0%	5%	5%	0%	0%	28%	+44%
Michael Pineda	70	33%	3%	11%	6%	20%	0%	73%	9%	10%	0%	6%	4%	0%	0%	29%	+44%
Noah Syndergaard	73	27%	3%	10%	7%	25%	0%	72%	7%	11%	0%	7%	4%	0%	0%	29%	+43%
Danny Duffy	77	22%	3%	17%	6%	18%	3%	69%	9%	9%	0%	4%	5%	1%	0%	28%	+41%
Mike Leake	79	18%	1%	13%	14%	28%	0%	74%	6%	14%	1%	13%	0%	0%	0%	34%	+40%
Nathan Karns	52	15%	0%	12%	15%	23%	0%	65%	8%	8%	0%	4%	4%	2%	0%	26%	+39%
Chris Sale	79	37%	4%	16%	3%	9%	1%	70%	5%	13%	1%	3%	9%	0%	0%	31%	+39%
Tyler Chatwood	77	21%	3%	8%	16%	18%	0%	66%	5%	12%	1%	6%	4%	0%	0%	28%	+38%
Jimmy Nelson	77	21%	3%	17%	3%	22%	0%	66%	10%	9%	0%	5%	4%	1%	0%	29%	+37%
Jason Vargas	74	31%	1%	9%	8%	20%	1%	70%	7%	14%	4%	5%	4%	0%	0%	34%	+36%
Marco Estrada	76	22%	1%	20%	5%	12%	0%	60%	9%	7%	0%	3%	4%	1%	0%	24%	+36%
John Lackey	76	25%	4%	9%	8%	20%	3%	69%	11%	11%	0%	7%	4%	0%	0%	33%	+36%
Jon Lester	70	24%	0%	17%	7%	16%	0%	64%	7%	10%	0%	6%	4%	1%	0%	28%	+36%
Dan Straily	58	17%	7%	14%	7%	10%	5%	60%	9%	7%	2%	0%	5%	2%	0%	25%	+35%
James Shields	69	23%	10%	14%	7%	6%	4%	64%	12%	9%	0%	7%	1%	0%	0%	29%	+35%
Stephen Strasburg	82	23%	2%	6%	13%	22%	1%	67%	12%	10%	0%	6%	4%	0%	0%	32%	+35%
Sean Manaea	71	28%	4%	3%	6%	20%	0%	61%	6%	7%	0%	1%	6%	6%	0%	26%	+35%
Ariel Miranda	73	19%	8%	8%	10%	18%	5%	68%	10%	12%	1%	5%	5%	1%	0%	34%	+34%
Wei-Yin Chen	65	15%	9%	20%	5%	15%	3%	67%	6%	12%	2%	3%	8%	2%	0%	33%	+34%
JC Ramirez	66	23%	6%	12%	11%	11%	5%	68%	3%	15%	3%	5%	8%	0%	0%	34%	+34%
Masahiro Tanaka	98	19%	2%	12%	8%	22%	2%	65%	7%	11%	1%	4%	6%	2%	0%	31%	+34%
Ian Kennedy	75	25%	7%	12%	5%	9%	3%	61%	13%	7%	0%	3%	4%	0%	0%	27%	+34%
Brandon McCarthy	65	25%	2%	9%	8%	22%	0%	66%	8%	12%	3%	5%	5%	0%	0%	33%	+33%
Madison Bumgarner	112	25%	4%	13%	8%	14%	3%	67%	8%	13%	0%	5%	7%	1%	0%	34%	+33%
Tanner Roark	73	16%	3%	15%	12%	19%	0%	65%	4%	12%	0%	3%	10%	3%	0%	32%	+33%
Carlos Martinez	80	30%	5%	11%	9%	6%	4%	65%	4%	13%	1%	5%	6%	3%	0%	32%	+33%
Clayton Richard	80	13%	0%	4%	11%	34%	0%	62%	8%	11%	1%	5%	5%	0%	0%	30%	+32%
Kenta Maeda	60	23%	7%	17%	2%	15%	2%	66%	8%	13%	0%	8%	5%	0%	0%	34%	+32%
Vince Velasquez	69	28%	6%	6%	1%	17%	4%	62%	9%	10%	1%	6%	3%	1%	0%	30%	+32%
Clayton Kershaw	106	30%	7%	5%	6%	19%	4%	71%	14%	12%	0%	7%	6%	0%	0%	39%	+32%
Wily Peralta	67	19%	3%	10%	7%	19%	1%	59%	9%	9%	0%	3%	6%	1%	0%	28%	+31%
Chase Anderson	70	23%	4%	13%	4%	16%	3%	63%	10%	11%	0%	7%	4%	0%	0%	32%	+31%
Matt Cain	72	17%	7%	14%	3%	19%	4%	64%	14%	10%	0%	6%	4%	0%	0%	34%	+30%
Jon Gray	53	17%	2%	4%	13%	28%	0%	64%	4%	15%	0%	6%	9%	0%	0%	34%	+30%
Michael Wacha	73	23%	4%	18%	7%	15%	1%	68%	10%	14%	3%	7%	4%	0%	0%	38%	+30%
Carlos Carrasco	73	26%	5%	10%	5%	18%	4%	68%	5%	16%	3%	5%	8%	1%	0%	38%	+30%
Patrick Corbin	77	9%	4%	17%	6%	25%	3%	64%	6%	14%	1%	4%	9%	1%	0%	35%	+29%
Zack Greinke	101	20%	7%	11%	5%	18%	4%	65%	8%	14%	0%	5%	9%	0%	0%	36%	+29%

Name	TBF	K	FBSft	FBMd	GBSft	GBMd	IFFB	Good%	GBHd	FBHd	LDSft	LDMd	LDHd	BB	HBP	Bad%	Gd-Bad%
Danny Salazar	76	36%	7%	5%	1%	14%	4%	67%	5%	16%	0%	11%	5%	1%	0%	38%	+29%
Shelby Miller	79	22%	5%	11%	6%	18%	1%	63%	4%	15%	1%	9%	5%	0%	0%	34%	+29%
Jose Quintana	80	18%	4%	18%	5%	16%	4%	65%	10%	13%	0%	3%	10%	1%	0%	37%	+28%
Cole Hamels	75	15%	4%	16%	4%	20%	3%	62%	4%	13%	3%	4%	7%	4%	0%	35%	+27%
Amir Garrett	74	28%	4%	9%	9%	12%	1%	63%	8%	14%	0%	8%	5%	1%	0%	36%	+27%
Bartolo Colon	63	22%	11%	14%	6%	5%	6%	64%	16%	11%	2%	3%	6%	0%	0%	38%	+26%
Joe Musgrove	69	13%	4%	10%	13%	22%	3%	65%	12%	13%	1%	6%	6%	1%	0%	39%	+26%
Lance McCullers	76	30%	0%	7%	13%	16%	0%	66%	7%	16%	3%	8%	5%	1%	0%	40%	+26%
Rick Porcello	109	21%	5%	10%	9%	15%	4%	64%	15%	12%	2%	4%	6%	0%	0%	39%	+25%
Tommy Milone	69	17%	17%	7%	6%	17%	10%	74%	7%	22%	4%	10%	7%	0%	0%	50%	+24%
Zack Wheeler	62	24%	3%	10%	11%	16%	2%	66%	10%	16%	3%	3%	10%	0%	0%	42%	+24%
Johnny Cueto	80	23%	5%	11%	4%	15%	4%	62%	11%	13%	3%	5%	5%	1%	0%	38%	+24%
Matt Moore	85	15%	4%	14%	5%	21%	0%	59%	13%	11%	1%	1%	8%	1%	0%	35%	+24%
Blake Snell	72	15%	7%	13%	4%	14%	6%	59%	6%	15%	3%	8%	4%	0%	0%	36%	+23%
Matt Shoemaker	64	19%	3%	8%	8%	20%	3%	61%	17%	9%	2%	5%	3%	3%	0%	39%	+22%
Daniel Norris	52	13%	8%	10%	4%	19%	4%	58%	6%	15%	0%	2%	13%	0%	0%	36%	+22%
Jhoulys Chacin	97	15%	2%	14%	8%	18%	2%	59%	6%	15%	1%	7%	7%	1%	0%	37%	+22%
Kyle Freeland	68	16%	1%	3%	13%	22%	1%	56%	6%	13%	1%	1%	10%	3%	0%	34%	+22%
Taijuan Walker	72	22%	6%	11%	6%	14%	4%	63%	11%	15%	0%	8%	7%	1%	0%	42%	+21%
Charlie Morton	73	18%	3%	12%	8%	18%	0%	59%	5%	15%	0%	5%	10%	3%	0%	38%	+21%
Robbie Ray	76	32%	3%	4%	4%	12%	3%	58%	11%	13%	1%	3%	9%	0%	0%	37%	+21%
Zach Davies	71	15%	6%	13%	11%	10%	4%	59%	10%	14%	3%	4%	7%	0%	0%	38%	+21%
Kevin Gausman	93	14%	10%	6%	8%	19%	5%	62%	9%	16%	1%	9%	6%	1%	0%	42%	+20%
Kyle Hendricks	69	19%	4%	3%	10%	17%	1%	54%	14%	10%	3%	3%	4%	0%	0%	34%	+20%
Dylan Bundy	72	24%	7%	13%	8%	11%	4%	67%	4%	21%	6%	10%	6%	0%	0%	47%	+20%
J.A. Happ	69	29%	0%	10%	9%	17%	0%	65%	14%	16%	1%	7%	7%	0%	0%	45%	+20%
Matt Harvey	70	21%	6%	7%	11%	16%	1%	62%	10%	16%	3%	3%	10%	0%	0%	42%	+20%
Hyun-Jin Ryu	68	25%	3%	3%	9%	18%	3%	61%	10%	15%	6%	4%	4%	3%	0%	42%	+19%
Hector Santiago	72	15%	6%	15%	1%	18%	1%	56%	13%	10%	0%	3%	7%	4%	0%	37%	+19%
Tyler Skaggs	76	25%	7%	14%	5%	11%	1%	63%	7%	18%	5%	8%	5%	1%	0%	44%	+19%
Jameson Taillon	80	20%	3%	5%	11%	20%	1%	60%	6%	18%	0%	11%	6%	1%	0%	42%	+18%
Gio Gonzalez	82	18%	9%	7%	5%	20%	2%	61%	11%	15%	1%	9%	5%	2%	0%	43%	+18%
Scott Feldman	66	23%	3%	15%	5%	14%	0%	60%	8%	17%	0%	12%	5%	0%	0%	42%	+18%
Jesse Chavez	69	20%	1%	14%	4%	22%	1%	62%	6%	19%	0%	9%	10%	0%	0%	44%	+18%
Kendall Graveman	70	17%	7%	10%	1%	20%	3%	58%	10%	14%	0%	9%	6%	1%	0%	40%	+18%
Ricky Nolasco	94	18%	7%	14%	6%	13%	5%	63%	17%	14%	2%	9%	3%	0%	0%	45%	+18%
Chad Kuhl	72	19%	6%	17%	4%	10%	1%	57%	13%	11%	0%	6%	6%	3%	0%	39%	+18%
A.J. Griffin	60	27%	8%	8%	5%	8%	8%	64%	18%	13%	0%	3%	10%	2%	0%	46%	+18%
Jered Weaver	69	14%	6%	9%	10%	22%	3%	64%	10%	17%	0%	6%	12%	1%	0%	46%	+18%
Lance Lynn	74	18%	1%	15%	5%	20%	0%	59%	11%	14%	1%	8%	4%	3%	0%	41%	+18%
Felix Hernandez	104	19%	1%	9%	8%	26%	1%	64%	8%	18%	4%	10%	5%	2%	0%	47%	+17%
Ubaldo Jimenez	72	13%	8%	11%	6%	18%	4%	60%	6%	18%	0%	6%	13%	0%	0%	43%	+17%
Chris Archer	106	25%	4%	9%	6%	14%	2%	60%	7%	18%	0%	10%	8%	0%	0%	43%	+17%
Gerrit Cole	100	19%	3%	12%	6%	14%	1%	55%	11%	14%	1%	9%	4%	0%	0%	39%	+16%
Ivan Nova	79	10%	5%	10%	9%	25%	4%	63%	8%	19%	1%	8%	10%	1%	0%	47%	+16%
Kyle Gibson	67	13%	4%	12%	12%	18%	1%	60%	7%	18%	1%	9%	7%	3%	0%	45%	+15%
Francisco Liriano	55	31%	0%	9%	2%	15%	0%	57%	9%	16%	0%	11%	5%	0%	1%	42%	+15%

Name	TBF	K	FBSft	FBMd	GBSft	GBMd	IFFB	Good%	GBHd	FBHd	LDSft	LDMd	LDHd	BB	HBP	Bad%	Gd-Bad%
Hisashi Iwakuma	61	10%	5%	13%	13%	15%	3%	59%	16%	13%	3%	5%	5%	2%	0%	44%	+15%
Tyler Anderson	89	19%	7%	6%	6%	18%	6%	62%	12%	18%	2%	7%	9%	0%	0%	48%	+14%
R.A. Dickey	57	18%	4%	7%	9%	18%	4%	60%	5%	19%	0%	11%	9%	2%	0%	46%	+14%
Matt Andriese	69	20%	4%	10%	7%	13%	3%	57%	9%	17%	0%	4%	13%	0%	0%	43%	+14%
Bronson Arroyo	68	13%	3%	18%	3%	19%	1%	57%	13%	15%	3%	6%	6%	0%	0%	43%	+14%
Robert Gsellman	79	25%	1%	3%	11%	16%	1%	57%	10%	15%	1%	8%	6%	3%	0%	43%	+14%
Jesse Hahn	77	18%	9%	12%	5%	14%	1%	59%	6%	19%	3%	8%	9%	0%	0%	45%	+14%
Jason Hammel	71	13%	11%	13%	4%	13%	3%	57%	8%	18%	1%	8%	8%	0%	0%	43%	+14%
Edinson Volquez	85	25%	1%	12%	6%	8%	1%	53%	11%	14%	1%	8%	5%	0%	0%	39%	+14%
Yovani Gallardo	76	12%	4%	9%	12%	18%	3%	58%	8%	18%	4%	12%	3%	0%	0%	45%	+13%
Derek Holland	73	18%	4%	16%	4%	12%	1%	55%	11%	15%	1%	3%	11%	1%	0%	42%	+13%
Matt Boyd	62	18%	6%	10%	6%	8%	2%	50%	11%	13%	2%	6%	5%	0%	0%	37%	+13%
Antonio Senzatela	74	19%	3%	9%	7%	22%	1%	61%	9%	19%	1%	11%	7%	1%	0%	48%	+13%
Michael Fulmer	73	22%	4%	14%	5%	12%	1%	58%	5%	19%	1%	8%	10%	3%	0%	46%	+12%
CC Sabathia	74	15%	7%	8%	9%	19%	1%	59%	4%	22%	1%	8%	12%	1%	0%	48%	+11%
Tom Koehler	66	15%	3%	12%	5%	18%	2%	55%	14%	15%	2%	9%	5%	0%	0%	45%	+10%
Julio Teheran	98	18%	2%	18%	8%	9%	0%	55%	7%	18%	2%	12%	4%	2%	0%	45%	+10%
Marcus Stroman	82	16%	1%	5%	12%	24%	0%	58%	5%	22%	0%	9%	13%	0%	0%	49%	+9%
Aaron Sanchez	52	17%	4%	13%	6%	17%	0%	57%	13%	17%	2%	10%	6%	0%	0%	48%	+9%
Jharel Cotton	72	18%	6%	13%	10%	7%	4%	58%	7%	21%	1%	14%	6%	0%	0%	49%	+9%
Yu Darvish	98	23%	2%	9%	2%	17%	0%	53%	8%	18%	2%	7%	9%	0%	0%	44%	+9%
Mike Foltynewicz	58	14%	7%	12%	5%	12%	3%	53%	7%	17%	0%	9%	9%	2%	0%	44%	+9%
Jordan Zimmermann	73	14%	11%	18%	3%	5%	8%	59%	11%	19%	0%	4%	15%	1%	0%	50%	+9%
Alex Cobb	76	14%	5%	11%	4%	20%	0%	54%	12%	17%	0%	1%	16%	0%	0%	46%	+8%
Adam Wainwright	69	19%	1%	12%	4%	16%	1%	53%	9%	19%	1%	7%	10%	0%	0%	46%	+7%
Jeff Samardzija	84	29%	1%	5%	10%	12%	1%	58%	10%	20%	2%	10%	8%	1%	0%	51%	+7%
Jeremy Hellickson	65	8%	8%	14%	2%	20%	3%	55%	18%	15%	0%	9%	6%	2%	0%	50%	+5%
Justin Verlander	76	24%	1%	13%	3%	14%	0%	55%	16%	17%	1%	9%	7%	0%	0%	50%	+5%
Jaime Garcia	77	10%	5%	16%	14%	9%	3%	57%	8%	22%	0%	8%	14%	0%	0%	52%	+5%
Josh Tomlin	61	13%	0%	10%	7%	20%	0%	50%	10%	18%	0%	11%	7%	2%	0%	48%	+2%
Anibal Sanchez	51	16%	6%	10%	4%	10%	2%	48%	16%	16%	0%	8%	8%	0%	0%	48%	0%
Brett Anderson	64	17%	3%	2%	16%	17%	2%	57%	11%	23%	0%	8%	16%	0%	0%	58%	-1%
Corey Kluber	80	23%	5%	9%	1%	14%	1%	53%	16%	19%	3%	4%	13%	0%	0%	55%	-2%
Austin Pruitt	51	16%	4%	12%	6%	12%	0%	50%	8%	22%	0%	14%	8%	2%	0%	54%	-4%
Steven Wright	67	13%	3%	16%	4%	10%	1%	47%	7%	21%	3%	4%	13%	3%	0%	51%	-4%
Martin Perez	91	18%	4%	5%	7%	13%	2%	49%	8%	23%	0%	11%	12%	0%	0%	54%	-5%
Jake Odorizzi	52	15%	4%	15%	0%	13%	2%	49%	12%	21%	2%	15%	4%	2%	0%	56%	-7%
Phil Hughes	66	17%	8%	12%	0%	11%	5%	53%	15%	23%	0%	8%	15%	0%	0%	61%	-8%