

Rockies 2018 - Week #5

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Thursday, May 10, 2018

Colorado Rockies Statistics Snapshot

Table 1: NL West Standings

Tm	W	L	W-L%	GB
Arizona Diamondbacks	24	12	.667	–
Colorado Rockies	21	16	.568	3.5
San Francisco Giants	19	18	.514	5.5
Los Angeles Dodgers	16	20	.444	8.0
San Diego Padres	14	24	.368	11.0

Table 2: Current Rockies Results as of 2018-05-10

Wins	Losses	Win.Pct	Runs	Runs.Ag	Predicted Season Wins
21	16	56.757	146	162	73



Figure 1: Harmon Killibrew, (Born: June 29, 1936, Payette, ID Died: May 17, 2011, Scottsdale, AZ).

Colorado Rockies Weekly Newsletter



“Life is precious and time is a key element. Let’s make every moment count and help those who have a greater need than our own.” ~ Harmon Killibrew

Week #5

- **Colorado Rockies Dashboard**
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 - Rockies Win/Loss Graphs for 2018 and 2007
 - Top Twelve Rockies Players as Measured by WAR
 - National and American League Standings
 - Game-by-Game Results
 - **Pythagorean Theorem** prediction of the number of wins.
 - Batting Statistics (for non-pitchers)
 - Pitching Statistics
 - National League Team Standard Batting
 - Current Injuries **Updated**

The source data for this article can be found at URL <http://baseball-reference.com>.

The Baseball Codes

My daughter gave me two books for Christmas. My daughter is a keen observer of her father's geekishness. One of the books she gave me is titled, **The Baseball Codes: Beanballs, Sign Stealing, and Bench-Clearing Brawls: The Unwritten Rules of America's Pastime** by Jason Turbow and Michael Duca. The book uncovers the literally, inside-baseball codes of conduct. For instance, its considered bad form to steal a base while your team is ahead in the late innings. Gloating inside the batter's box is considered a "bowtie" offense (neck-high and inside fastball thrown in such a way to cause the batter to bail out of the batter's box and in some cases, fall down). For full a disclosure and endoresment, here is the link to the book on Amazon: [The Baseball Codes: Beanballs, Sign Stealing, and Bench-Clearing Brawls: The Unwritten Rules of America's Pastime](#)

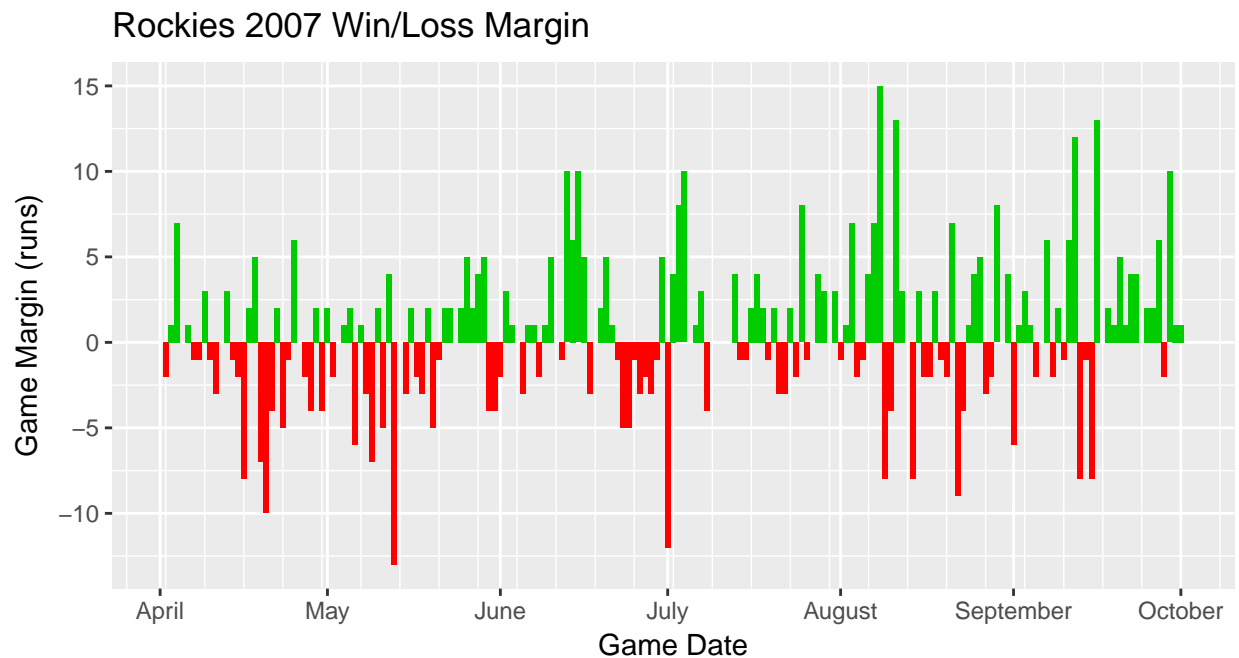
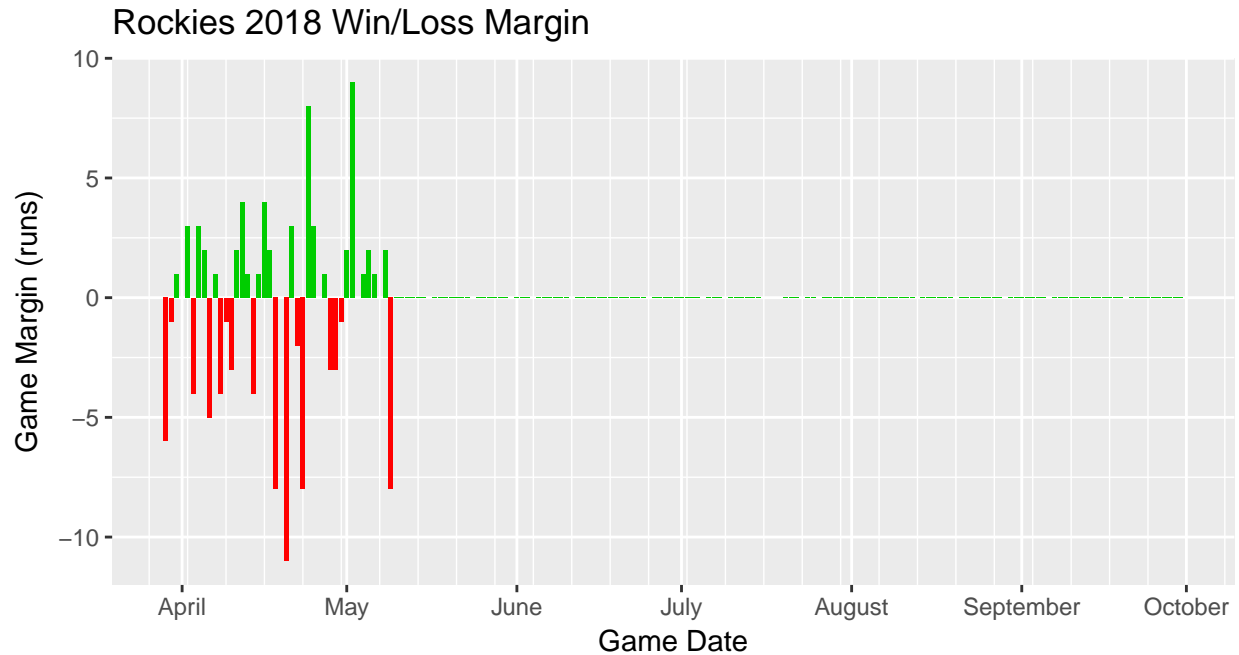
Watch this space, more stories from The Baseball Codes in future newsletters.

Colorado Rockies Dashboard

Win Loss Margin

One of the many ways to visualize a teams performance is to show wins and losses as the margin of the win (positive) or loss (negative). In the graphs below, we show the current season performance. For emphasis, wins are displayed in green (above the zero) and losses in red (below the zero).

Following the current season's graph, I have included the Win/Loss margin chart for our benchmark season of 2007 when the Rockies won the National League pennant.



Top Twelve Rockies Players as Measured by WAR

While early in the season, we will pull this data frequently.

Table 3: Rockies Top 12 Players (WAR)

Rank	Name	Age	WAR
1	Chad Bettis	29	2.0
2	DJ LeMahieu	29	1.2
3	Nolan Arenado	27	1.1
4	Jon Gray	26	1.1
5	Adam Ottavino	32	1.1
6	Kyle Freeland	25	0.9
7	Wade Davis	32	0.7
8	Tyler Anderson	28	0.6
9	Charlie Blackmon	31	0.6
10	Trevor Story	25	0.6
11	German Marquez	23	0.3
12	David Dahl	24	0.2

National League Standings

Table 4: NL East Standings

Tm	W	L	W-L%	GB
Atlanta Braves	21	14	.600	–
Philadelphia Phillies	21	15	.583	0.5
Washington Nationals	20	18	.526	2.5
New York Mets	18	17	.514	3.0
Miami Marlins	13	23	.361	8.5

Table 5: NL Central Standings

Tm	W	L	W-L%	GB
St. Louis Cardinals	20	14	.588	–
Milwaukee Brewers	21	16	.568	0.5
Pittsburgh Pirates	21	16	.568	0.5
Chicago Cubs	19	15	.559	1.0
Cincinnati Reds	10	27	.270	11.5

Table 6: NL West Standings

Tm	W	L	W-L%	GB
Arizona Diamondbacks	24	12	.667	–
Colorado Rockies	21	16	.568	3.5
San Francisco Giants	19	18	.514	5.5
Los Angeles Dodgers	16	20	.444	8.0
San Diego Padres	14	24	.368	11.0

American League Standings

Table 7: AL East Standings

Tm	W	L	W-L%	GB
New York Yankees	26	10	.722	–
Boston Red Sox	25	11	.694	1.0
Toronto Blue Jays	20	17	.541	6.5
Tampa Bay Rays	15	19	.441	10.0
Baltimore Orioles	9	27	.250	17.0

Table 8: AL Central Standings

Tm	W	L	W-L%	GB
Cleveland Indians	18	18	.500	–
Minnesota Twins	15	17	.469	1.0
Detroit Tigers	15	21	.417	3.0
Kansas City Royals	12	24	.333	6.0
Chicago White Sox	9	25	.265	8.0

Table 9: AL West Standings

Tm	W	L	W-L%	GB
Houston Astros	24	15	.615	–
Los Angeles Angels	22	14	.611	0.5
Seattle Mariners	20	15	.571	2.0
Oakland Athletics	18	19	.486	5.0
Texas Rangers	15	24	.385	9.0

Rockies Game-by-Game Schedule/Results

Gm#	Day	Date	H/A	Opp	W/L	R	RA	Win	Loss	Save	D/N	Streak
1	Thu	Mar 29	A	ARI	L	2	8	Corbin	Gray		N	-
2	Fri	Mar 30	A	ARI	L	8	9	Ray	Senzatela	Boxberger	N	-
3	Sat	Mar 31	A	ARI	W	2	1	Shaw	Salas	Davis	N	+
4	Mon	Apr 2	A	SDP	W	7	4	Bettis	Mitchell	Davis	N	++
5	Tue	Apr 3	A	SDP	L	4	8	Ross	Freeland	Hand	N	-
6	Wed	Apr 4	A	SDP	W	5	2	Gray	Richard	Davis	N	+
7	Thu	Apr 5	A	SDP	W	3	1	Ottavino	Hand	Davis	D	++
8	Fri	Apr 6	H	ATL	L	3	8	McCarthy	Marquez		D	-
9	Sat	Apr 7	H	ATL	W-wo	3	2	Ottavino	Vizcaino		N	+
10	Sun	Apr 8	H	ATL	L	0	4	Newcomb	Freeland		D	-
11	Mon	Apr 9	H	SDP	L	6	7	Richard	Gray	Hand	N	-
12	Tue	Apr 10	H	SDP	L	2	5	Lucchesi	Shaw	Hand	N	—
13	Wed	Apr 11	H	SDP	W	6	4	Senzatela	Baumann	Davis	D	+
14	Thu	Apr 12	A	WSN	W	5	1	Bettis	Gonzalez		N	++
15	Fri	Apr 13	A	WSN	W	2	1	Oberg	Roark	Davis	N	+++
16	Sat	Apr 14	A	WSN	L	2	6	Scherzer	Gray		D	-
17	Sun	Apr 15	A	WSN	W	6	5	Ottavino	Doolittle	Davis	D	+
18	Mon	Apr 16	A	PIT	W	6	2	Marquez	Brault		N	++
19	Tue	Apr 17	A	PIT	W	2	0	Bettis	Williams	Davis	N	+++
20	Wed	Apr 18	A	PIT	L	2	10	Kuhl	Freeland		D	-
21	Fri	Apr 20	H	CHC	L	5	16	Hendricks	Gray		N	-
22	Sat	Apr 21	H	CHC	W	5	2	Anderson	Darvish	Davis	N	+
23	Sun	Apr 22	H	CHC	L	7	9	Quintana	Marquez	Morrow	D	-
24	Mon	Apr 23	H	SDP	L	5	13	Erlin	McGee		N	-
25	Tue	Apr 24	H	SDP	W	8	0	Freeland	Lauer		N	+
26	Wed	Apr 25	H	SDP	W	5	2	Gray	Ross		D	++
27	Fri	Apr 27	A	MIA	W	1	0	Senzatela	Urena	Davis	N	+++
28	Sat	Apr 28	A	MIA	L	1	4	Chen	Marquez	Barracough	N	-
29	Sun	Apr 29	A	MIA	L	0	3	Smith	Bettis	Ziegler	D	-
30	Mon	Apr 30	A	CHC	L	2	3	Farrell	Freeland	Cishek	N	—
31	Tue	May 1	A	CHC	W	3	1	Gray	Hendricks	Davis	N	+
32	Wed	May 2	A	CHC	W	11	2	Anderson	Darvish		D	++
33	Fri	May 4	A	NYM	W	8	7	Marquez	Wheeler	Davis	N	+++
34	Sat	May 5	A	NYM	W	2	0	Bettis	Matz	Davis	N	++++
35	Sun	May 6	A	NYM	W	3	2	Freeland	Robles	Ottavino	D	+++++
36	Tue	May 8	H	LAA	W	4	2	Gray	Heaney	Davis	N	+++++
37	Wed	May 9	H	LAA	L	0	8	Barria	Anderson		D	-

The Rockies current record is 21 Wins and 16 Losses. So far, the Rockies have scored 146 runs and have had 162 runs scored against them.

Pythagorean Win-Loss Theorem

$$predictedW\% = \frac{R^k}{R^k + RA^k}$$

Using the commonly used values of k, the Rockies predicted wins for the 2017 are shown in the table below. Remember this statistic will vary widely over the course of the season.

Table 11: Predicted Wins for Entire 2017 Season

Wins (k=1.81)	Wins (k=1.83)	Wins (k=2.00)
73	73	73

Batting Statistics (non-pitchers)

Table 12: Rockies Batting Statistics (1 of 2).

Rk	Pos	Name	Age	G	AB	R	H	2B	3B	HR	RBI	SB	CS	BB
1	C	Iannetta	35	24	83	10	18	3	0	3	10	0	0	11
2	1B	Desmond	32	35	125	13	22	5	0	6	16	3	1	5
3	2B	LeMahieu	29	28	111	17	32	8	0	5	13	3	1	13
4	SS	Story	25	37	132	16	29	6	2	7	23	7	0	16
5	3B	Arenado	27	32	115	19	37	7	1	8	21	1	1	19
6	LF	Parra*	31	32	100	14	26	6	0	1	6	3	1	9
7	CF	Blackmon*	31	32	121	29	34	3	0	11	20	3	1	19
8	RF	Gonzalez*	32	26	84	8	19	3	1	3	12	2	1	5
9	IF	Valaika	25	28	58	2	6	3	0	0	1	0	0	5
10	CI	McMahon*	23	28	50	3	9	1	0	0	3	0	0	10
11	C	Wolters*	26	19	48	3	7	0	0	1	6	1	0	8
12	OF	Dahl*	24	15	46	4	14	2	2	1	5	1	1	2
13	OF	Cuevas	26	12	28	2	10	0	0	0	0	0	0	1
14	OF	Tauchman*	27	15	23	2	1	0	0	0	0	1	0	3
15	2B	Castro	25	6	20	0	3	0	0	0	3	0	0	0

Table 13: Rockies Batting Statistics (2 of 2).

Rk	Pos	Name	Age	SO	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB
1	C	Iannetta	35	24	.217	.323	.361	.684	77	30	5	2	1	0	1
2	1B	Desmond	32	38	.176	.218	.360	.578	47	45	4	2	0	1	0
3	2B	LeMahieu	29	15	.288	.363	.495	.858	120	55	2	0	0	0	0
4	SS	Story	25	48	.220	.316	.455	.770	97	60	2	3	0	1	0
5	3B	Arenado	27	28	.322	.415	.609	1.024	161	70	3	0	0	1	3
6	LF	Parra*	31	16	.260	.321	.350	.671	74	35	2	0	1	0	1
7	CF	Blackmon*	31	29	.281	.387	.579	.966	146	70	2	2	0	0	1
8	RF	Gonzalez*	32	22	.226	.264	.393	.657	67	33	0	0	0	2	1
9	IF	Valaika	25	16	.103	.175	.155	.330	-14	9	2	0	1	0	0
10	CI	McMahon*	23	22	.180	.317	.200	.517	38	10	0	0	0	0	1
11	C	Wolters*	26	13	.146	.288	.208	.496	32	10	1	2	0	1	0
12	OF	Dahl*	24	17	.304	.347	.500	.847	116	23	0	1	0	0	0
13	OF	Cuevas	26	4	.357	.400	.357	.757	99	10	0	1	0	0	0
14	OF	Tauchman*	27	11	.043	.154	.043	.197	-45	1	0	0	1	0	0
15	2B	Castro	25	1	.150	.150	.150	.300	-22	3	0	0	0	0	0

- * - bats left-handed, # - bats both, else - bats right, ? - unknown; OPS_lg for OPS+ does not include pitchers.

Pitching Statistics

Table 14: Rockies pitching statistics (1 of 2).

Rk	Pos	Name	Age	W	L	W-L%	ERA	G	GS	GF	CG	SHO	SV	IP	H	R
1	SP	Gray	26	4	4	.500	4.24	8	8	0	0	0	0	46.2	46	23
2	SP	Bettis	29	4	1	.800	2.05	7	7	0	0	0	0	44.0	32	10
3	SP	Freeland*	25	2	4	.333	3.95	7	7	0	0	0	0	41.0	35	18
4	SP	Anderson*	28	2	1	.667	4.23	8	8	0	0	0	0	38.1	34	20
5	SP	Marquez	23	2	3	.400	4.76	7	7	0	0	0	0	34.0	34	21
6	CL	Davis	32	0	0		2.35	16	0	15	0	0	14	15.1	8	4
7	RP	Ottavino	32	3	0	1.000	1.35	19	0	7	0	0	1	20.0	6	3
8	RP	Shaw	30	1	1	.500	6.06	19	0	2	0	0	0	16.1	19	11
9	RP	McGee*	31	0	1	.000	5.68	16	0	1	0	0	0	12.2	9	9
10	RP	Dunn*	33	0	0		10.38	11	0	3	0	0	0	8.2	12	10
11		Senzatela	23	2	1	.667	6.23	10	0	2	0	0	0	17.1	23	13
12		Rusin*	31	0	0		5.74	10	0	1	0	0	0	15.2	13	10
13		Oberg	28	1	0	1.000	6.55	10	0	3	0	0	0	11.0	12	8
14		Pounders	27	0	0		6.00	3	0	2	0	0	0	3.0	6	2
15		Musgrave*	26	0	0		0.00	2	0	1	0	0	0	2.0	1	0

Table 15: Rockies pitching statistics (2 of 2).

Rk	Pos	Name	ER	HR	BB	IBB	SO	HBP	BK	WP	BF	ERA+	FIP	WHIP
1	SP	Gray	22	5	11	1	49	1	0	3	194	109	3.23	1.221
2	SP	Bettis	10	4	14	0	27	1	1	2	171	226	4.14	1.045
3	SP	Freeland*	18	5	13	0	38	0	0	0	168	117	3.85	1.171
4	SP	Anderson*	18	7	17	0	40	0	0	3	161	109	4.78	1.330
5	SP	Marquez	18	3	16	2	35	2	0	1	154	97	3.84	1.471
6	CL	Davis	4	1	6	0	18	0	0	1	58	200	2.84	0.913
7	RP	Ottavino	3	1	7	0	35	2	0	2	72	345	1.67	0.650
8	RP	Shaw	11	3	9	0	17	0	0	3	75	77	5.13	1.714
9	RP	McGee*	8	2	5	0	12	1	0	0	52	83	4.74	1.105
10	RP	Dunn*	10	1	8	0	5	0	0	0	44	46	6.28	2.308
11		Senzatela	12	2	6	0	14	1	0	0	81	75	4.26	1.673
12		Rusin*	10	4	8	0	12	0	0	1	65	82	6.49	1.340
13		Oberg	8	0	5	0	10	2	0	0	52	72	3.26	1.545
14		Pounders	2	0	0	0	2	0	0	0	13	85	1.83	2.000
15		Musgrave*	0	0	1	0	1	0	0	0	8		3.67	1.000

* - throws left-handed

National League Team Standard Batting

Table 16: NL Team Batting statistics (1 of 2).

Tm	#Bat	BatAge	R/G	G	PA	AB	R	H	2B	3B	HR	RBI	SB	CS	BB	SO
ATL	39	27.9	5.34	35	1405	1251	187	335	77	6	41	178	27	9	118	279
CHC	33	26.8	5.24	34	1363	1211	178	308	66	13	39	168	6	5	109	287
PIT	31	28.2	4.97	37	1430	1274	184	328	61	9	42	175	15	10	125	282
PHI	31	26.4	4.81	36	1382	1199	173	287	61	5	39	167	20	10	153	354
WSN	35	28.6	4.63	38	1473	1270	176	307	59	3	48	167	34	10	167	315
LAD	36	27.9	4.50	36	1437	1256	162	306	72	9	32	150	12	7	143	316
ARI	30	29.0	4.36	36	1359	1195	157	273	61	12	42	152	22	8	141	343
STL	34	28.7	4.35	34	1314	1140	148	260	48	1	42	142	17	12	134	303
LgAvg	34	28.2	4.34	36	1391	1229	157	295	58	6	38	149	19	8	130	321
NYM	35	29.4	4.23	35	1350	1184	148	272	52	7	34	144	15	6	132	321
CIN	35	27.5	4.00	37	1429	1249	148	300	60	3	32	143	15	3	142	296
COL	30	28.6	3.95	37	1370	1214	146	277	49	6	46	140	25	7	127	340
SFG	34	30.5	3.95	37	1405	1268	146	318	56	6	35	138	18	6	112	348
SDP	36	27.3	3.76	38	1408	1264	143	287	55	9	34	134	20	11	119	380
MIL	35	28.5	3.70	37	1372	1233	137	288	54	2	40	126	25	8	115	325
MIA	34	28.0	3.39	36	1364	1226	122	275	42	4	27	114	8	7	107	320

Table 17: NL Team Batting statistics (2 of 2).

Tm	#Bat	BatAge	R/G	BA	OBP	SLG	OPS	OPS+	TB	GDP	HBP	SH	SF	IBB	LOB
ATL	39	27.9	5.34	0.268	0.335	0.437	0.772	113	547	23	13	12	11	11	255
CHC	33	26.8	5.24	0.254	0.327	0.427	0.754	104	517	16	25	12	5	10	255
PIT	31	28.2	4.97	0.257	0.326	0.418	0.745	106	533	19	12	4	14	12	250
PHI	31	26.4	4.81	0.239	0.328	0.396	0.724	100	475	31	11	6	12	9	249
WSN	35	28.6	4.63	0.242	0.334	0.406	0.740	101	516	25	15	9	12	17	280
LAD	36	27.9	4.50	0.244	0.327	0.392	0.719	100	492	28	18	8	12	10	273
ARI	30	29.0	4.36	0.228	0.311	0.405	0.716	90	484	23	7	7	9	6	233
STL	34	28.7	4.35	0.228	0.315	0.382	0.698	94	436	24	17	11	12	5	232
LgAvg	34	28.2	4.34	0.240	0.317	0.391	0.708	94	480	25	14	8	9	9	252
NYM	35	29.4	4.23	0.230	0.312	0.372	0.684	91	440	26	15	7	12	10	240
CIN	35	27.5	4.00	0.240	0.322	0.370	0.692	90	462	31	14	15	9	6	279
COL	30	28.6	3.95	0.228	0.307	0.392	0.699	80	476	23	13	10	6	8	238
SFG	34	30.5	3.95	0.251	0.314	0.387	0.701	94	491	24	9	7	9	8	266
SDP	36	27.3	3.76	0.227	0.299	0.366	0.665	87	462	29	14	5	6	4	242
MIL	35	28.5	3.70	0.234	0.301	0.378	0.679	85	466	31	8	8	8	8	245
MIA	34	28.0	3.39	0.224	0.295	0.331	0.626	80	406	28	18	6	5	7	246

Table 18: Rockies Current Injuries

Name	Updated	Type	Details
Carlos Estevez	April 23 2018	Oblique	Estevez has been shifted to the 60-day disabled list due to a left oblique strain but is likely to return during the latter part of May.
Zac Rosscup	May 01 2018	Finger	Rosscup has been shifted to the 60-day disabled list dealing with warts on his left middle finger and is likely to stay on the DL until at least the end of May.

Current Injuries

Run date time: 2018-05-10 08:01:05