

This PDF contains a 4 page rules supplement to the Pine Tar Baseball game. These rules are optional and may be applied to any season for the game. Following the rules supplement are SO/BB (strike out/walk) pitcher ratings for the 1884, 1889 and 2014 seasons. Future seasons will be released with the SO/BB right on the pitcher stat sheets.

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Additional seasons for Pine Tar and the printed version of the game are available at <http://ttlbaseballgame.com/>

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# Pine Tar Baseball

## Optional Rules Supplement

### SO/BB Pitching Rating Rule

The 1897 and 1973 editions of Pine Tar baseball rolled out a new '**strike out/base on balls**' rating for pitchers. This rating appears right on the pitcher stats for these 2 seasons. For 19th century seasons this new rating appears just to the left of the pitcher's grade. For more modern seasons the new rating appears at the very bottom of the pitcher's 'card', just below his batting column. Future seasons will all come with these special pitcher ratings. Previous seasons will eventually have a PDF with these ratings.

**The new ratings include:**

SO 77  
SO 55, 77  
SO 55-60, 77  
NC (no change)  
BB 77  
BB 55, 77  
BB 55-60, 77

### How it Works

When you begin a game, record the starting pitchers grade and SO/BB rating on the scorecard. Do this for each teams 'opposing' pitcher for quick reference during the game.

Anytime a batter roll of 55-60 or 77 occurs and the opposing pitcher has a BB/SO rating that indicates that roll value, change the initial outcome to the result listed in the pitcher's SO/BB rating. Very few pitchers use the 55-60 range so most checks are for 55 or 77.

### Examples

- 1:** A pitcher is rated SO 55, 77. The batter roll is a 77 which indicates a FO-RF. Because of the pitchers SO rating that lists the value of 77, this play is turned into a strike out.
- 2:** A pitcher is rated SO 55, 77. The batter roll is a 55 which indicates a SO. The play stays as a strike out. If the batter outcome had indicated anything else, such as GO-1B, the play would have been turned into a strike out.
- 3:** A pitcher is rated BB 77. The batter roll is a 77 which indicates GO-3B. The play becomes a base on balls because of the pitcher's BB rating that lists 77.
- 4:** A pitcher is rated BB 55-60, 77. The batter roll is a 59 which indicates SO. The play becomes a base on balls instead because the batter roll of 59 falls in the 55-60 range listed for this BB 55-60, 77 rated pitcher.

## Straight Steals of Home

### Conditions:

- A base runner must have either an A, B, or C SBO rating in order to attempt to steal home.
- There has to be less than 2 outs.
- Neither team may be ahead by more than 2 runs.
- The team must have enough 'steal points' to attempt the steal

If the above conditions are met the runner may attempt to steal. Opportunity restrictions still apply to the base runner based on his SBO grade. For example, a runner with an SBO of C could only attempt a steal in the 6th inning or later.

To perform the steal attempt, simply subtract 55 from the runners Stolen Base Chance (SBC). So if the runner has an SBC of 89, when he tried to steal home it would become  $89 - 55 = 34$ . The catcher AR rating doesn't come into play. Each team may only attempt to steal home once a month during the course of a season.

## Double Steals of Second & Home

### Conditions:

- There must be runners on 1st and 3rd.
- Both base runners must have a C or higher SBO rating.
- There has to be less than 2 outs.
- Neither team may be ahead by more than 2 runs.
- The team must have enough 'steal points' to attempt the steal.

If the above conditions are met the runners may attempt a double steal. Opportunity restrictions only apply to the runner on 3rd base. For example, if the runner on 3rd base has an SBO of C he could only be involved in a double steal in the 7th inning or later. Double steals always cost 2 points regardless of what SBO grade the base runners involved are. Steal points come from the runner on 3rd only.

To perform the steal attempt, simply subtract 45 from the runner on 3rd's Stolen Base Chance (SBC). Then add in 1/2 of the catchers AR rating rounded up to the higher integer. Note that the SBC value for the runner on 1st base is not used in determining double steals.

For example: The runner on 3rd base has an SBC of 89 and the Catcher's AR is -7. Subtracting 45 from 89 gives 44. One half of the catchers -7 AR would be -4 after rounding. 'Adding' -4 to 44 gives 40. So 40 is now the final SBC used to determine if the double steal will succeed. On rolls of 0-40, the double steal would be successful with both base runners advancing 1 base. On rolls of 41-99, the runner on 3rd would be thrown out at home while the runner on 1st would be safe at second base.

For the highest chance of a successful double steal, it is best to attempt these on positive AR rated opposing catchers. If in the same situation above the catcher was rated AR +12, the final SBC would work out to 50.  $89 - 45 + 1/2(\text{AR of } 12) = 50$ .

## Rules for Playing In (Close)

### Conditions:

- There must be a runner on 3rd base that can't be forced out at home.
- There must be less than 2 outs.
- With 1 out, there can not be a runner on 1st base. In other words, no playing close when a double play would end the inning.

When the conditions above are met, the player/manager controlling the defense may choose to play the infield in. In multi-player games this must be declared before the dice are rolled for the next batter. Playing 'in' increases the chance of cutting down the runner on 3rd on a grounder. The downside is it makes it more likely for a base hit to make it through the infield. When a player declares that his defense is playing close(in) the modifiers shown below are applied on all ground outs and singles.

**Ground Outs:** When using ground out tables, **subtract 2 from the unmodified white die value**. Zero is the lowest value possible. When using the '**GO table w/runner on 1st**' table a GDP result is instead a FC that tags the runner out at home with the batter reaching. No GDP's are possible when playing close.

**Singles:** **Add 3 to the 1B range** on the current hitter's batting column. For example: The current batters 1B range is 7-22. When the defense plays close this batter's new 1B range is extended by 3, making his 1B range 7-25 for this at bat only. If 23-25 had an outcome of BB previously, those are now hits instead.

## Rare Play Rules

The use of the 'Rare Play' table is entirely optional. To use rare plays; the first time a 44 is the result on a batter roll perform another 2 die roll in place of getting the result off of the hitter's column. Reference the result of this new roll on the 'Rare Play' table and use the column to the right that fits the base runner circumstance. There are 2 columns, one for when the bases are empty and one for when at least 1 or more runners are on base.

For example: Say you roll a 44. You roll again and get a 15. If the bases are empty the new result would be a strike out on a wild pitch with the batter reaching first. If there is at least 1 base runner then the result is a wild pitch with any base runner advancing 1 base. In this latter case the same hitter is still at bat with a count of 1-0.

Note that the 'Rare Play' table is used no more than once per game. Not once per team but once per game. Therefore, after the first rare play of the game any further batter rolls of 44 are found off of the hitter's stats just like they normally would be.

# Rare Play Table

## Optional Rule - Applies to first batter roll of 44

Pine Tar Baseball™

Rare plays may be used to add more variety to game play. Only the first batter roll that results in 44 is used. From then on, the result of every 44 is taken directly from the batter's card. To use the rare play table, a second 2 die roll is performed using the blue/white dice combo. The die roll is found off the chart below with the new outcome given to the right of the die roll. Rare play outcomes vary by whether the bases are empty or runners are on.

Die Roll	Bases Empty	Runner(s) On
0-1	<b>Line out to Thirdbaseman</b>	Line out to 3B, lead runner doubled off. If at least 2 runners were on base, the 2 lead runners are both doubled off for a triple play.
2-7	If batter has an HBP entry = HBP, No HBP entry = ball 2	<b>Passed Ball</b>
8-10	Game delayed for 2 hours due to power failure (rain in open park or before electricity) Current pitchers must be replaced when game resumes.	Game delayed for 2 hours due to power failure (rain in open park or before electricity) Current pitchers must be replaced when game resumes.
11-16	<b>Strike Out/Wild Pitch - batter reaches</b>	<b>Wild Pitch - all base runners advance one base.</b>
17-20	Left fielder loses routine fly ball in the lights/sun. Play is ruled as a double.	Left fielder loses routine fly ball in the lights/sun. Play is ruled as a double. All base runners advance 2 bases.
21-23	Game is delayed for 30 minutes by a swarm of flying insects. Current pitchers have their grade reduced by 1	Game is delayed for 30 minutes by a swarm of flying insects. Current pitchers have their grade reduced by 1.
24-29	<b>Base on Balls</b>	If runners are on 1st and 2nd and both have an SBO rating of at least E, they attempt a double steal. If these conditions are not met then the play is instead Ball 2. This attempt uses no steal points.
30-31	The batter has both a 3B and HR entry = Inside the park home run. If conditions are not met the result is simply a foul ball.	The batter has both a 3B and HR entry = Inside the park home run. If conditions are not met the result is simply a foul ball.
32-41	Strike Out and the batter is ejected for arguing the call.	Strike Out and the batter is ejected for arguing the call
42-48	Batter reaches on catchers interference.	Batter reaches on catchers interference.
49-50	Base on Balls and catcher ejected for arguing	Base on Balls and catcher ejected for arguing the call
51	Strike Out with the catcher injured by hitters back swing. Catcher must miss the next 4 games.	Strike Out with the catcher injured by hitters back swing. Catcher must miss the next 4 games.
52-53	HBP and the umpire ejects the current pitcher for throwing at the batter. Manager is also ejected.	HBP and the umpire ejects the current pitcher for throwing at the batter. Manager is also ejected.
54-70	<b>Infield Hit</b>	<b>Infield Hit</b>
71-74	Batter tries to check his swing but is called out on strikes	Pitcher tries to pick off the lead runner but throws the ball away. E-1 with all runners advancing 1 base.
75-90	<b>Foul Ball</b>	Left handed pitcher picks off the lead runner. If the bases are loaded or the pitcher is right handed the result is instead ball 2.
91-93	<b>Base hit to centerfield</b>	The lead runner is hit by the batted ball and by rule is called out. Any other runners return to the base they occupied at the start of the play. The batter is awarded 1st base.
94-99	Batter is ruled out on fan interference on a pop fly into the first row of the stands on the first base side.	Batter is ruled out on fan interference on a pop fly into the first row of the stands on the third base side.

# 1884 SO/BB Pitcher Ratings

Team	Pitcher	Rating
BAL	Emslie	SO 77
BAL	Henderson	SO 55-60, 77
BAL	McLaughlin	BB 55-60, 77

BOS	Buffington	SO 55 77
BOS	Whitney	SO 55-60, 77
BOS	Conner	BB 55 77
BOS	Davis	BB 55 77

BRO	Terry	NC
BRO	Kimber	BB 77
BRO	Conway	NC

BUF	Galvin	NC
BUF	Serad	BB 55-60, 77
BUF	Hagan	NC
BUF	O'Rourke	NC

CHI	Corcoran	BB 77
CHI	Goldsmith	NC
CHI	Clarkson	SO 55-60, 77
CHI	Brown	SO 77

CIN	White	NC
CIN	Mountjoy	NC
CIN	Shallix	BB 55 77

CLV	Harkins	BB 55 77
CLV	McCormick	BB 77
CLV	Moffet	BB 55 77
CLV	Henry	BB 55-60, 77

COL	Morris	SO 77
COL	Mountain	BB 77
COL	Dundon	BB 77
COL	Sullivan	NC

DET	Meinke	BB 77
DET	Shaw	BB 55 77
DET	Weidman	BB 55 77
DET	Getzien	SO 77
DET	Brill	BB 55 77

IND	McKeon	SO 77
IND	Aydelott	NC
IND	McCauley	BB 55 77
IND	MacArthur	BB 55-60, 77

LOU	Hecker	NC
LOU	Reccius	NC
LOU	Driscoll	NC
LOU	Deagle	NC

Team	Pitcher	Rating
NYG	Welch	BB 55 77
NYG	Bagley	BB 55-60, 77
NYG	Dorgan	BB 55-60, 77
NYG	Ward	BB 55 77

NYP	Lynch	NC
NYP	Keefe	SO 77
NYP	Becannon	BB 55 77

PHA	Matthews	SO 55 77
PHA	Taylor	NC
PHA	Atkinson	NC
PHA	Hilsey	BB 77

PHI	Ferguson	BB 77
PHI	Vinton	SO 77
PHI	Coleman	NC
PHI	McElroy	BB 55-60, 77

PIT	Sullivan	BB 77
PIT	Neagle	BB 77
PIT	Fox	BB 55 77
PIT	Nelson	BB 55 77

PRO	Radbourn	NC
PRO	Sweeney	NC
PRO	Conley	BB 55 77
PRO	Miller	BB 55 77
PRO	Redford	BB 77

RIC	Meegan	SO 55 77
RIC	Dugan	NC
RIC	Curry	BB 77

STL	McGinnis	NC
STL	Foutz	BB 77
STL	Davis	SO 55-60, 77
STL	O'Neill	BB 55-60, 77
STL	Caruthers	SO 77

SLM	Sweeney	SO 77
SLM	Taylor	SO 77
SLM	Boyle	SO 77
SLM	Werden	NC
SLM	Hodnett	NC

TOL	Mullane	NC
TOL	O'Day	BB 77
TOL	Morton	BB 77

WAS	Barr	NC
WAS	Hamill	BB 55 77
WAS	Trumbull	BB 55-60, 77
WAS	Smith	BB 77

# 1889 SO/BB Pitcher Ratings

Team	Pitcher	Rating
BAL	Kilroy	NC
BAL	Foreman	NC
BAL	Cunningham	BB 55 77

BOS	Clarkson	NC
BOS	Radbourn	NC
BOS	Madden	BB 55 77
BOS	Daley	BB 50-60, 77

BRO	Caruthers	NC
BRO	Terry	SO 77
BRO	Lovett	NC
BRO	Hughes	BB 50-60, 77
BRO	Foutz	NC

CHI	Hutchinson	BB 77
CHI	Tener	BB 77
CHI	Dwyer	NC
CHI	Gumbert	NC
CHI	Healy	SO 55 77

CIN	Duryea	NC
CIN	Viau	BB 77
CIN	Mullane	SO 77
CIN	Smith	BB 55 77
CIN	Petty	BB 55 77

CLV	O'Brien	BB 55 77
CLV	Beatin	BB 55 77
CLV	Bakley	NC
CLV	Gruber	BB 55 77
CLV	Sprague	BB 50-60, 77

COL	Baldwin	SO 55 77
COL	Widner	NC
COL	Gastright	BB 55 77
COL	Mays	BB 55 77

IND	Boyle	NC
IND	Getzien	NC
IND	Rusie	BB 55 77
IND	Whitney	NC
IND	Burdick	NC

Team	Pitcher	Rating
KC	Swartzel	NC
KC	Conway	NC
KC	Sowers	BB 55-60, 77
KC	McCarty	BB 55 77
KC	Sullivan	BB 55-60, 77

LOU	Ehret	NC
LOU	Ewing	BB 55 77
LOU	Hecker	NC
LOU	Stratton	NC
LOU	McDermott	BB 55 77

NYG	Welch	BB 55 77
NYG	Keefe	SO 55 77
NYG	Crane	BB 55 77
NYG	O'Day	BB 55 77
NYG	Hatfield	BB 55 77

PHA	Weyhing	BB 55 77
PHA	Seward	NC
PHA	McMahon	SO 77
PHA	Bausewine	BB 55-60, 77
PHA	Smith	BB 55-60, 77

PHI	Buffington	NC
PHI	Sanders	NC
PHI	Gleason	BB 55 77
PHI	Casey	BB 55 77
PHI	Anderson	BB 55-60, 77

PIT	Staley	NC
PIT	Galvin	NC
PIT	Morris	NC
PIT	Sowers	BB 55-60, 77
PIT	Garfield	BB 55-60, 77

STL	King	NC
STL	Chamberlain	SO 77
STL	Stivetts	SO 50-60, 77
STL	Hudson	NC
STL	Devlin	SO 55 77

WAS	Ferson	BB 77
WAS	Haddock	BB 55 77
WAS	Keefe	BB 55-60, 77
WAS	Krock	BB 55 77
WAS	Sullivan	BB 55-60, 77

## 2014 SO/BB Pitcher Ratings - Page 1

Team	Pitcher	Rating
ARZ	Miley	BB 55, 77
ARZ	Collmenter	NC
ARZ	Anderson	BB 77
ARZ	Cahill	BB 50-60, 77
ARZ	Arroyo	NC
ARZ	Perez	SO 55-60, 77
ARZ	Ziegler	BB 77
ARZ	Delgado	BB 55, 77
ARZ	Reed	SO 55-60, 77
ARZ	Marshall	SO 55-60, 77
ARZ	Nuno	NC
ARZ	De La Rosa	BB 55, 77

ATL	Teheran	NC
ATL	Harang	BB 77
ATL	Santana	BB 77
ATL	Wood	SO 77
ATL	Minor	BB 77
ATL	Walden	BB 50-60, 77
ATL	Varvaro	SO 77
ATL	Carpenter	SO 55-60, 77
ATL	Kimbrel	SO 55-60, 77
ATL	Avilan	BB 50-60, 77
ATL	Hale	BB 55, 77
ATL	Floyd	NC

BAL	Tillman	BB 77
BAL	Yin Chen	NC
BAL	Norris	BB 77
BAL	Gonzalez	BB 77
BAL	Jimenez	BB 50-60, 77
BAL	Matusz	SO 55 77
BAL	Hunter	NC
BAL	O'Day	SO 77
BAL	Britton	BB 77
BAL	McFarland	NC
BAL	Gausman	BB 77
BAL	Brach	BB 55 77

BOS	Buchholz	BB 77
BOS	De La Rosa	BB 77
BOS	Workman	BB 55 77
BOS	Kelly	BB 50-60, 77
BOS	Webster	BB 50-60, 77
BOS	Mujica	NC
BOS	Tazawa	SO 55 77
BOS	Badenhop	NC
BOS	Uehara	SO 55-60, 77
BOS	Breslow	BB 50-60, 77
BOS	Wilson	NC
BOS	Ranaudo	BB 55 77

CHI N	Wood	BB 55 77
CHI N	Arrieta	SO 77
CHI N	Jackson	BB 55 77
CHI N	Hendricks	NC
CHI N	Wada	NC

Team	Pitcher	Rating
CHI N	Schlitter	BB 77
CHI N	Strop	BB 55 77
CHI N	Grimm	BB 55 77
CHI N	Rondon	SO 77
CHI N	Wright	BB 55 77
CHI N	Villanueva	NC
CHI N	Ramirez	SO 55 77

CHI A	Quintana	NC
CHI A	Danks	BB 55 77
CHI A	Sale	SO 55 77
CHI A	Noesi	BB 77
CHI A	Carroll	BB 77
CHI A	Putnam	BB 55 77
CHI A	Belisario	NC
CHI A	Webb	BB 50-60, 77
CHI A	Petricka	BB 55 77
CHI A	Guerra	BB 55 77
CHI A	Lindstrom	BB 77
CHI A	Cleto	BB 50-60, 77

CIN	Cueto	NC
CIN	Leake	NC
CIN	Simon	NC
CIN	Bailey	BB 77
CIN	Latos	NC
CIN	Parra	BB 50-60, 77
CIN	LeCure	BB 55 77
CIN	Hoover	BB 50-60, 77
CIN	Chapman	SO 55-60, 77
CIN	Ondrusek	BB 55 77
CIN	Diaz	BB 55 77
CIN	Cingrani	BB 50-60, 77

CLE	Kluber	SO 77
CLE	Bauer	BB 55 77
CLE	Salazar	SO 55-60, 77
CLE	Tomlin	SO 77
CLE	House	NC
CLE	Rzepczynski	BB 55 77
CLE	Atchinson	NC
CLE	Shaw	NC
CLE	Allen	SO 55-60, 77
CLE	Carrasco	SO 77
CLE	McAllister	BB 77
CLE	Crockett	SO 77

COL	De La Rosa	BB 55 77
COL	Morales	BB 55 77
COL	Lyles	BB 55 77
COL	Matzek	BB 55 77
COL	Chacin	BB 55 77
COL	Belisle	NC
COL	Ottavino	SO 55-60, 77
COL	Kahnle	BB 55 77
COL	Hawkins	NC
COL	Brothers	BB 55-60, 77

Team	Pitcher	Rating
COL	Nicasio	BB 77
COL	Masset	BB 55-60, 77

DET	Scherzer	SO 55 77
DET	Verlander	BB 77
DET	Porcello	NC
DET	Sanchez	NC
DET	Price	SO 55
DET	Alburquerque	SO 55 77
DET	Coke	BB 77
DET	Chamberlain	BB 55 77
DET	Nathan	BB 55-60, 77
DET	Krol	BB 55 77
DET	Lobstein	BB 77
DET	Hardy	BB 55-60, 77

HOU	Keuchel	NC
HOU	Feldman	NC
HOU	McHugh	NC
HOU	Oberholtzer	NC
HOU	Peacock	BB 55-60, 77
HOU	Downs	BB 55-60, 77
HOU	Sipp	SO 55-60, 77
HOU	Fields	SO 55-60, 77
HOU	Qualls	NC
HOU	Veras	BB 55 77
HOU	Buchanan	NC
HOU	Tropeano	NC

KC	Shields	NC
KC	Guthrie	NC
KC	Vargas	NC
KC	Ventura	BB 55 77
KC	Duffy	BB 77
KC	Crow	BB 55 77
KC	Herrera	BB 55 77
KC	Davis	SO 55-60, 77
KC	Holland	SO 55-60, 77
KC	Coleman	BB 55-60, 77
KC	Chen	BB 77
KC	Bueno	NC

LA A	Weaver	BB 77
LA A	Wilson	BB 55-60, 77
LA A	Richards	BB 77
LA A	Shoemaker	NC
LA A	Santiago	BB 55 77
LA A	Morin	BB 77
LA A	Jepsen	SO 55 77
LA A	Smith	NC
LA A	Street	NC
LA A	Salas	SO 77
LA A	Rasmus	SO 77
LA A	Grilli	SO 55-60, 77



## 2014 SO/BB Pitcher Ratings - Page 2

Team	Pitcher	Rating
LA N	Greinke	SO 77
LA N	Kershaw	SO 55 77
LA N	Haren	NC
LA N	Jin Ryu	NC
LA N	Beckett	BB 77
LA N	Howell	BB 55-60, 77
LA N	League	BB 55 77
LA N	Wright	BB 55 77
LA N	Jansen	SO 50-60, 77
LA N	Wilson	BB 55-60, 77
LA N	Maholm	BB 55 77
LA N	Perez	BB 55-60, 77

MIA	Eovaldi	NC
MIA	Koehler	BB 55 77
MIA	Alvarez	NC
MIA	Hand	BB 77
MIA	Cosart	BB 77
MIA	Hatcher	SO 77
MIA	Dunn	SO 50-60, 77
MIA	Ramos	BB 55-60, 77
MIA	Cishek	SO 50-60, 77
MIA	Jennings	BB 55 77
MIA	Fernandez	SO 50-60, 77
MIA	Dyson	BB 77

MIL	Peralta	BB 77
MIL	Lohse	NC
MIL	Gallardo	NC
MIL	Garza	BB 77
MIL	Nelson	NC
MIL	Kintzler	NC
MIL	Duke	SO 50-60, 77
MIL	Smith	BB 55 77
MIL	Rodriguez	SO 50-60, 77
MIL	Estrada	NC
MIL	Jeffress	NC
MIL	Wooten	NC
MIL	Fiers	SO 77

MIN	Hughes	NC
MIN	Gibson	BB 77
MIN	Nolasco	NC
MIN	Pino	NC
MIN	May	BB 55 77
MIN	Duensing	NC
MIN	Fien	NC
MIN	Burton	BB 55 77
MIN	Perkins	SO 55 77
MIN	Thielbar	BB 77
MIN	Swarzak	BB 77
MIN	Pressly	NC

NY N	Colon	NC
NY N	Niese	NC
NY N	Wheeler	BB 55 77
NY N	deGrom	SO 77

Team	Pitcher	Rating
NY N	Gee	BB 77
NY N	Black	BB 55-60, 77
NY N	Familia	BB 55 77
NY N	Torres	BB 55 77
NY N	Mejia	BB 55 77
NY N	Edgin	SO 77
NY N	Matsuzaka	BB 55-60, 77
NY N	Carlyle	NC

NY A	Kuroda	NC
NY A	Tanaka	SO 55 77
NY A	Phelps	BB 55 77
NY A	McCarthy	SO 77
NY A	Green	BB 55 77
NY A	Kelley	SO 50-60, 77
NY A	Warren	SO 77
NY A	Betances	SO 50-60, 77
NY A	Robertson	SO 50-60, 77
NY A	Whitley	NC
NY A	Huff	BB 55 77
NY A	Rogers	BB 55 77

OAK	Gray	BB 77
OAK	Kazmir	NC
OAK	Chavez	BB 77
OAK	Samardzija	NC
OAK	Hammel	BB 77
OAK	Abad	NC
OAK	Gregerson	NC
OAK	Otero	NC
OAK	Doolittle	SO 50-60, 77
OAK	Cook	BB 55 77
OAK	Lester	NC
OAK	Pomeranz	BB 55 77

PHI	Burnett	BB 55 77
PHI	Hamels	NC
PHI	Kendrick	NC
PHI	Buchanan	NC
PHI	Lee	NC
PHI	De Fratus	SO 77
PHI	Bastardo	BB 55-60, 77
PHI	Diekman	BB 55 77
PHI	Papelbon	NC
PHI	Hollands	BB 55 77
PHI	Giles	SO 50-60, 77
PHI	Williams	BB 77

PIT	Volquez	BB 55 77
PIT	Liriano	BB 55-60, 77
PIT	Morton	BB 55 77
PIT	Cole	SO 77
PIT	Locke	BB 77
PIT	Gomez	BB 55 77
PIT	Hughes	BB 77
PIT	Watson	SO 77
PIT	Melancon	NC

Team	Pitcher	Rating
PIT	Wilson	BB 55-60, 77
PIT	Worley	NC
PIT	Cumpton	NC

SD	Kennedy	SO 77
SD	Ross	BB 55 77
SD	Stults	NC
SD	Cashner	NC
SD	Despaigne	BB 77
SD	Torres	BB 55-60, 77
SD	Quackenbush	SO 77
SD	Vincent	SO 50-60, 77
SD	Thayer	SO 77
SD	Stauffer	BB 77
SD	Hahn	BB 55 77
SD	Benoit	SO 55 77

SEA	Hernandez	NC
SEA	Iwakuma	NC
SEA	Young	BB 55 77
SEA	Elias	BB 55 77
SEA	Ramirez	BB 55 77
SEA	Medina	BB 55-60, 77
SEA	Farquhar	SO 50-60, 77
SEA	Wilhelmsen	BB 55 77
SEA	Rodney	BB 55 77
SEA	Furbush	SO 50-60, 77
SEA	Maurer	NC
SEA	Leone	BB 55 77

SF	Bumgarner	SO 77
SF	Hudson	NC
SF	Vogelsong	BB 77
SF	Lincecum	BB 55 77
SF	Cain	BB 77
SF	Affeldt	NC
SF	Gutierrez	NC
SF	Machi	NC
SF	Romo	SO 77
SF	Petit	SO 50-60, 77
SF	Peavey	NC
SF	Casilla	NC
SF	Lopez	BB 55-60, 77

STL	Wainwright	NC
STL	Lynn	BB 77
STL	Miller	BB 55 77
STL	Wacha	BB 77
STL	Lackey	NC
STL	Neshek	NC
STL	Maness	NC
STL	Martinez	BB 55 77
STL	Rosenthal	BB 55-60, 77
STL	Choate	BB 55 77
STL	Freeman	BB 55-60, 77
STL	Garcia	NC

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Team	Pitcher	Rating
TB	Archer	BB 55 77
TB	Odorizzi	SO 77
TB	Cobb	NC
TB	Bedard	BB 55 77
TB	Hellickson	BB 77
TB	Peralta	SO 50-60, 77
TB	Boxberger	SO 50-60, 77
TB	Ramos	BB 55 77
TB	McGee	SO 50-60, 77
TB	Balfour	BB 55-60, 77
TB	Smyly	SO 77
TB	Yates	BB 55 77

Team	Pitcher	Rating
TEX	Lewis	NC
TEX	Darvish	SO 55-60, 77
TEX	Martinez	BB 55 77
TEX	Tepesch	BB 77
TEX	Ross	BB 55 77
TEX	Feliz	BB 77
TEX	Mendez	BB 55-60, 77
TEX	Tolleson	BB 55 77
TEX	Cotts	BB 77
TEX	Baker	NC
TEX	Ogando	BB 55-60, 77
TEX	Mikolas	BB 77

Team	Pitcher	Rating
TOR	Dickey	BB 77
TOR	Buehrle	NC
TOR	Hutchinson	SO 55 77
TOR	Happ	BB 77
TOR	Stroman	NC
TOR	Loup	BB 55 77
TOR	Redmond	BB 77
TOR	McGowan	BB 55 77
TOR	Janssen	NC
TOR	Cecil	BB 55-60, 77
TOR	Morrow	BB 55-60, 77
TOR	Sanchez	NC

Team	Pitcher	Rating
WAS	Strasburg	SO 55-60, 77
WAS	Zimmerman	NC
WAS	Roark	NC
WAS	Fister	NC
WAS	Gonzalez	BB 77
WAS	Storen	NC
WAS	Blevins	BB 55 77
WAS	Clippard	SO 55 77
WAS	Soriano	SO 77
WAS	Barrett	BB 55-60, 77
WAS	Stammen	NC
WAS	Detwiler	BB 77