

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1980	Atlanta Braves	Boggs, Tommy	10.0	4
1980	Atlanta Braves	Matula, Rick	5.0	3
1980	Atlanta Braves	Niekro, Phil	3.3	1
1980	Chicago Cubs	Lamp, Dennis	6.7	4
1980	Chicago Cubs	McGlothen, Lynn	20.0	11
1980	Cincinnati Reds	LaCoss, Mike	8.3	4
1980	Cincinnati Reds	Leibrandt, Charlie	15.0	7
1980	Cincinnati Reds	Moskau, Paul	23.3	10
1980	Cincinnati Reds	Price, Joe	18.3	7
1980	Houston Astros	Niekro, Joe	1.7	1
1980	Houston Astros	Ruhle, Vern	10.0	3
1980	Los Angeles Dodgers	Goltz, Dave	13.3	6
1980	Los Angeles Dodgers	Hooton, Burt	1.7	1
1980	Los Angeles Dodgers	Reuss, Jerry	13.3	4
1980	Los Angeles Dodgers	Sutton, Don	1.7	0
1980	Montreal Expos	Gullickson, Bill	8.3	3
1980	Montreal Expos	Lea, Charlie	3.3	1
1980	Montreal Expos	Lee, Bill	10.0	6
1980	Montreal Expos	Palmer, David	8.3	3
1980	New York Mets	Bomback, Mark	18.3	8
1980	New York Mets	Falcone, Pete	23.3	12
1980	New York Mets	Zachry, Pat	3.3	1
1980	Philadelphia Phillies	Lerch, Randy	13.3	8
1980	Pittsburgh Pirates	Bibby, Jim	1.7	1
1980	Pittsburgh Pirates	Blyleven, Bert	3.3	1
1980	Pittsburgh Pirates	Candelaria, John	1.7	1
1980	Pittsburgh Pirates	Rhoden, Rick	1.7	1
1980	Pittsburgh Pirates	Robinson, Don	8.3	4
1980	San Diego Padres	Curtis, John	5.0	2
1980	San Diego Padres	Eichelberger, Juan	3.3	1
1980	San Diego Padres	Mura, Steve	23.3	10
1980	San Francisco Giants	Hargesheimer, Alan	3.3	2
1980	San Francisco Giants	Knepper, Bob	3.3	2
1980	San Francisco Giants	Montefusco, John	8.3	4
1980	San Francisco Giants	Ripley, Allen	5.0	2
1980	St. Louis Cardinals	Fulgham, John	1.7	1
1980	St. Louis Cardinals	Martinez, Silvio	8.3	4
1980	St. Louis Cardinals	Sykes, Bob	13.3	7
1980	St. Louis Cardinals	Vuckovich, Pete	3.3	1
1980	Baltimore Orioles	Palmer, Jim	1.7	1
1980	Boston Red Sox	Rainey, Chuck	5.0	3
1980	Boston Red Sox	Renko, Steve	15.0	7
1980	Boston Red Sox	Torrez, Mike	6.7	4
1980	Boston Red Sox	Tudor, John	5.0	2
1980	California Angels	Aase, Don	31.7	14
1980	California Angels	Knapp, Chris	20.0	14
1980	California Angels	Martinez, Alfredo	11.7	6
1980	California Angels	Tanana, Frank	1.7	1
1980	Chicago White Sox	Baumgarten, Ross	1.7	1
1980	Chicago White Sox	Burns, Britt	3.3	1
1980	Chicago White Sox	Dotson, Richard	1.7	1
1980	Chicago White Sox	Hoyt, La Marr	18.3	9

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1980	Chicago White Sox	Kravec, Ken	8.3	6
1980	Chicago White Sox	Trout, Steve	3.3	1
1980	Cleveland Indians	Garland, Wayne	8.3	4
1980	Cleveland Indians	Grimsley, Ross	5.0	4
1980	Cleveland Indians	Spillner, Dan	6.7	4
1980	Detroit Tigers	Petry, Dan	3.3	1
1980	Detroit Tigers	Schatzeder, Dan	10.0	4
1980	Detroit Tigers	Wilcox, Milt	1.7	1
1980	Kansas City Royals	Gale, Rich	6.7	3
1980	Kansas City Royals	Martin, Renie	20.0	10
1980	Kansas City Royals	Splittorff, Paul	1.7	1
1980	Minnesota Twins	Arroyo, Fernando	16.7	9
1980	Minnesota Twins	Erickson, Roger	8.3	3
1980	Minnesota Twins	Jackson, Darrell	11.7	5
1980	Minnesota Twins	Koosman, Jerry	6.7	3
1980	Minnesota Twins	Redfern, Pete	11.7	6
1980	Minnesota Twins	Zahn, Geoff	5.0	2
1980	Milwaukee Brewers	Caldwell, Mike	1.7	1
1980	Milwaukee Brewers	Mitchell, Paul	10.0	4
1980	Milwaukee Brewers	Sorensen, Lary	10.0	4
1980	Milwaukee Brewers	Travers, Bill	6.7	3
1980	New York Yankees	Guidry, Ron	13.3	5
1980	New York Yankees	Underwood, Tom	18.3	7
1980	Oakland Athletics	Keough, Matt	3.3	1
1980	Oakland Athletics	Kingman, Brian	3.3	1
1980	Oakland Athletics	Langford, Rick	3.3	1
1980	Oakland Athletics	McCatty, Steve	3.3	1
1980	Seattle Mariners	Beattie, Jim	6.7	4
1980	Seattle Mariners	Parrott, Mike	18.3	15
1980	Texas Rangers	Comer, Steve	1.7	1
1980	Texas Rangers	Matlack, Jon	1.7	1
1980	Texas Rangers	Medich, Doc	3.3	1
1980	Toronto Blue Jays	Jefferson, Jesse	18.3	11
1980	Toronto Blue Jays	Kucek, Jack	18.3	14
1980	Toronto Blue Jays	Leal, Luis	5.0	3
1980	Toronto Blue Jays	Mirabella, Paul	18.3	9
1980	Toronto Blue Jays	Stieb, Dave	3.3	1
1981	Atlanta Braves	Boggs, Tommy	1.7	1
1981	Cincinnati Reds	Berenyi, Bruce	1.7	1
1981	Cincinnati Reds	LaCoss, Mike	11.7	8
1981	Houston Astros	Ruhle, Vern	8.3	3
1981	Montreal Expos	Burris, Ray	1.7	1
1981	Montreal Expos	Lea, Charlie	8.3	4
1981	New York Mets	Harris, Greg	3.3	2
1981	New York Mets	Jones, Randy	1.7	1
1981	New York Mets	Lynch, Ed	6.7	2
1981	Philadelphia Phillies	Christenson, Larry	8.3	3
1981	Philadelphia Phillies	Ruthven, Dick	1.7	1
1981	Pittsburgh Pirates	Perez, Pascual	6.7	3
1981	Pittsburgh Pirates	Solomon, Eddie	8.3	3
1981	San Diego Padres	Eichelberger, Juan	1.7	1
1981	San Diego Padres	Mura, Steve	1.7	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1981	San Diego Padres	Welsh, Chris	5.0	2
1981	San Francisco Giants	Ripley, Allen	8.3	4
1981	St. Louis Cardinals	Martin, John	3.3	1
1981	St. Louis Cardinals	Martinez, Silvio	3.3	1
1981	Baltimore Orioles	Martinez, Dennis	1.7	1
1981	Baltimore Orioles	McGregor, Scott	3.3	1
1981	Baltimore Orioles	Stone, Steve	5.0	3
1981	Boston Red Sox	Crawford, Steve	5.0	3
1981	Boston Red Sox	Tanana, Frank	1.7	1
1981	Boston Red Sox	Tudor, John	11.7	6
1981	California Angels	Renko, Steve	11.7	4
1981	California Angels	Witt, Mike	1.7	1
1981	Chicago White Sox	Burns, Britt	1.7	0
1981	Chicago White Sox	Trout, Steve	3.3	1
1981	Cleveland Indians	Garland, Wayne	3.3	2
1981	Cleveland Indians	Waits, Rick	1.7	1
1981	Detroit Tigers	Petry, Dan	1.7	1
1981	Detroit Tigers	Schatzeder, Dan	5.0	3
1981	Kansas City Royals	Gale, Rich	6.7	4
1981	Kansas City Royals	Jones, Mike	1.7	1
1981	Kansas City Royals	Splitter, Paul	10.0	5
1981	Minnesota Twins	Arroyo, Fernando	6.7	3
1981	Minnesota Twins	Havens, Brad	3.3	1
1981	Minnesota Twins	Koosman, Jerry	10.0	5
1981	Minnesota Twins	Redfern, Pete	1.7	1
1981	Minnesota Twins	Williams, Albert	1.7	1
1981	Milwaukee Brewers	Caldwell, Mike	1.7	1
1981	Milwaukee Brewers	Haas, Moose	3.3	2
1981	Milwaukee Brewers	Lerch, Randy	8.3	4
1981	Milwaukee Brewers	Slaton, Jim	5.0	2
1981	Milwaukee Brewers	Vuckovich, Pete	1.7	1
1981	New York Yankees	Guidry, Ron	3.3	1
1981	New York Yankees	May, Rudy	8.3	4
1981	New York Yankees	Reuschel, Rick	1.7	0
1981	Oakland Athletics	Kingman, Brian	5.0	2
1981	Seattle Mariners	Abbott, Glenn	3.3	1
1981	Seattle Mariners	Bannister, Floyd	1.7	1
1981	Seattle Mariners	Clay, Ken	13.3	7
1981	Seattle Mariners	Gleaton, Jerry Don	11.7	6
1981	Texas Rangers	Jenkins, Fergie	5.0	2
1981	Texas Rangers	Matlack, Jon	1.7	1
1981	Toronto Blue Jays	Berenguer, Juan	1.7	1
1981	Toronto Blue Jays	Bombardieri, Mark	15.0	6
1981	Toronto Blue Jays	Leal, Luis	16.7	7
1981	Toronto Blue Jays	Todd, Jackson	13.3	6
1982	Atlanta Braves	Dayley, Ken	15.0	8
1982	Atlanta Braves	Mahler, Rick	10.0	5
1982	Atlanta Braves	Perez, Pascual	8.3	3
1982	Atlanta Braves	Walk, Bob	8.3	5
1982	Chicago Cubs	Bird, Doug	3.3	2
1982	Chicago Cubs	Martz, Randy	6.7	3
1982	Chicago Cubs	Noles, Dickie	1.7	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1982	Chicago Cubs	Ripley, Allen	15.0	7
1982	Cincinnati Reds	Pastore, Frank	3.3	1
1982	Cincinnati Reds	Soto, Mario	1.7	1
1982	Houston Astros	Knepper, Bob	6.7	3
1982	Houston Astros	Ruhle, Vern	16.7	7
1982	Los Angeles Dodgers	Reuss, Jerry	3.3	1
1982	New York Mets	Falcone, Pete	28.3	12
1982	New York Mets	Jones, Randy	13.3	7
1982	New York Mets	Puleo, Charlie	20.0	10
1982	New York Mets	Scott, Mike	25.0	14
1982	New York Mets	Swan, Craig	26.7	10
1982	Philadelphia Phillies	Bystrom, Marty	5.0	3
1982	Philadelphia Phillies	Ruthven, Dick	3.3	1
1982	Pittsburgh Pirates	Baumgarten, Ross	3.3	2
1982	Pittsburgh Pirates	Candelaria, John	1.7	1
1982	Pittsburgh Pirates	McWilliams, Larry	1.7	1
1982	Pittsburgh Pirates	Robinson, Don	13.3	6
1982	Pittsburgh Pirates	Solomon, Eddie	1.7	1
1982	San Diego Padres	Curtis, John	13.3	6
1982	San Diego Padres	Eichelberger, Juan	11.7	5
1982	San Diego Padres	Hawkins, Andy	8.3	4
1982	San Diego Padres	Welsh, Chris	13.3	7
1982	San Francisco Giants	Fowlkes, Alan	10.0	6
1982	San Francisco Giants	Gale, Rich	6.7	3
1982	San Francisco Giants	Hammaker, Atlee	3.3	2
1982	San Francisco Giants	Laskey, Bill	1.7	1
1982	San Francisco Giants	Martin, Renie	6.7	3
1982	St. Louis Cardinals	Andujar, Joaquin	1.7	0
1982	St. Louis Cardinals	Forsch, Bob	3.3	1
1982	St. Louis Cardinals	Mura, Steve	8.3	4
1982	St. Louis Cardinals	Stuper, John	3.3	1
1982	Baltimore Orioles	Flanagan, Mike	1.7	1
1982	Baltimore Orioles	Martinez, Dennis	1.7	1
1982	Baltimore Orioles	Palmer, Jim	6.7	2
1982	Boston Red Sox	Hurst, Bruce	15.0	10
1982	Boston Red Sox	Ojeda, Bob	13.3	8
1982	Boston Red Sox	Rainey, Chuck	3.3	2
1982	Boston Red Sox	Tudor, John	3.3	1
1982	California Angels	Forsch, Ken	3.3	1
1982	California Angels	Renko, Steve	13.3	7
1982	California Angels	Witt, Mike	11.7	5
1982	Chicago White Sox	Dotson, Richard	5.0	2
1982	Chicago White Sox	Hoyt, La Marr	11.7	5
1982	Chicago White Sox	Lamp, Dennis	28.3	13
1982	Chicago White Sox	Trout, Steve	10.0	5
1982	Cleveland Indians	Sorensen, Lary	3.3	2
1982	Cleveland Indians	Sutcliffe, Rick	11.7	4
1982	Cleveland Indians	Waits, Rick	6.7	4
1982	Kansas City Royals	Black, Bud	13.3	7
1982	Kansas City Royals	Frost, Dave	11.7	7
1982	Kansas City Royals	Splitstorff, Paul	1.7	1
1982	Minnesota Twins	Castillo, Bobby	25.0	10

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1982	Minnesota Twins	Havens, Brad	1.7	1
1982	Minnesota Twins	O'Connor, Jack	6.7	3
1982	Milwaukee Brewers	Caldwell, Mike	1.7	1
1982	Milwaukee Brewers	Haas, Moose	8.3	4
1982	Milwaukee Brewers	Lerch, Randy	1.7	1
1982	Milwaukee Brewers	McClure, Bob	13.3	6
1982	New York Yankees	Alexander, Doyle	8.3	6
1982	New York Yankees	Erickson, Roger	8.3	4
1982	New York Yankees	Guidry, Ron	1.7	1
1982	New York Yankees	John, Tommy	6.7	3
1982	New York Yankees	Morgan, Mike	11.7	6
1982	New York Yankees	Righetti, Dave	10.0	4
1982	Oakland Athletics	Kingman, Brian	5.0	2
1982	Oakland Athletics	Langford, Rick	1.7	1
1982	Oakland Athletics	McCatty, Steve	1.7	1
1982	Seattle Mariners	Beattie, Jim	3.3	1
1982	Seattle Mariners	Moore, Mike	1.7	1
1982	Seattle Mariners	Nelson, Gene	5.0	3
1982	Texas Rangers	Butcher, John	8.3	5
1982	Texas Rangers	Honeycutt, Rick	6.7	4
1982	Toronto Blue Jays	Gott, Jim	11.7	6
1983	Atlanta Braves	Dayley, Ken	13.3	6
1983	Atlanta Braves	McMurtry, Craig	1.7	1
1983	Atlanta Braves	Niekro, Phil	1.7	1
1983	Chicago Cubs	Jenkins, Fergie	6.7	3
1983	Chicago Cubs	Noles, Dickie	10.0	5
1983	Chicago Cubs	Trout, Steve	3.3	2
1983	Cincinnati Reds	Berenyi, Bruce	1.7	1
1983	Cincinnati Reds	Pastore, Frank	11.7	6
1983	Cincinnati Reds	Puleo, Charlie	5.0	3
1983	Houston Astros	Knepper, Bob	10.0	4
1983	Los Angeles Dodgers	Hooton, Burt	10.0	5
1983	Los Angeles Dodgers	Pena, Alejandro	13.3	4
1983	Los Angeles Dodgers	Reuss, Jerry	1.7	1
1983	Montreal Expos	Sanderson, Scott	3.3	2
1983	New York Mets	Lynch, Ed	5.0	2
1983	New York Mets	Swan, Craig	15.0	9
1983	New York Mets	Terrell, Walt	1.7	1
1983	New York Mets	Torrez, Mike	8.3	4
1983	Philadelphia Phillies	Bystrom, Marty	1.7	1
1983	Pittsburgh Pirates	Candelaria, John	1.7	1
1983	Pittsburgh Pirates	Rhoden, Rick	1.7	1
1983	Pittsburgh Pirates	Tunnell, Lee	16.7	7
1983	San Diego Padres	Hawkins, Andy	3.3	1
1983	San Diego Padres	Show, Eric	3.3	2
1983	San Diego Padres	Thurmond, Mark	5.0	1
1983	San Diego Padres	Whitson, Ed	16.7	8
1983	St. Louis Cardinals	Allen, Neil	11.7	5
1983	St. Louis Cardinals	Andujar, Joaquin	8.3	4
1983	St. Louis Cardinals	Forsch, Bob	6.7	3
1983	St. Louis Cardinals	LaPoint, Dave	13.3	6
1983	St. Louis Cardinals	Stuper, John	16.7	7

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1983	Baltimore Orioles	Boddicker, Mike	1.7	1
1983	Baltimore Orioles	Davis, Storm	8.3	3
1983	Baltimore Orioles	Martinez, Dennis	11.7	7
1983	Baltimore Orioles	Palmer, Jim	5.0	2
1983	Baltimore Orioles	Ramirez, Allan	1.7	1
1983	Boston Red Sox	Boyd, Oil Can	3.3	1
1983	Boston Red Sox	Brown, Mike	1.7	1
1983	Boston Red Sox	Hurst, Bruce	1.7	1
1983	Boston Red Sox	Ojeda, Bob	1.7	1
1983	California Angels	Kison, Bruce	15.0	7
1983	California Angels	Zahn, Geoff	1.7	1
1983	Chicago White Sox	Burns, Britt	5.0	2
1983	Chicago White Sox	Koosman, Jerry	21.7	11
1983	Cleveland Indians	Eichelberger, Juan	21.7	12
1983	Cleveland Indians	Sorensen, Lary	3.3	2
1983	Cleveland Indians	Sutcliffe, Rick	1.7	1
1983	Detroit Tigers	Berenguer, Juan	30.0	10
1983	Detroit Tigers	Rozema, Dave	21.7	8
1983	Kansas City Royals	Blue, Vida	8.3	6
1983	Kansas City Royals	Gura, Larry	5.0	3
1983	Kansas City Royals	Renko, Steve	13.3	6
1983	Minnesota Twins	Castillo, Bobby	3.3	2
1983	Minnesota Twins	Havens, Brad	3.3	3
1983	Minnesota Twins	Schrom, Ken	8.3	3
1983	Minnesota Twins	Viola, Frank	1.7	1
1983	Minnesota Twins	Williams, Albert	11.7	5
1983	Milwaukee Brewers	McClure, Bob	1.7	1
1983	Milwaukee Brewers	Porter, Chuck	6.7	3
1983	New York Yankees	Howell, Jay	11.7	7
1983	New York Yankees	Rawley, Shane	1.7	1
1983	New York Yankees	Shirley, Bob	13.3	8
1983	Oakland Athletics	Codiroli, Chris	10.0	5
1983	Oakland Athletics	Heimueller, Gorman	3.3	2
1983	Oakland Athletics	Krueger, Bill	1.7	1
1983	Oakland Athletics	McCatty, Steve	23.3	10
1983	Seattle Mariners	Beattie, Jim	1.7	1
1983	Seattle Mariners	Moore, Mike	1.7	1
1983	Seattle Mariners	Stoddard, Bob	20.0	10
1983	Seattle Mariners	Young, Matt	1.7	1
1983	Texas Rangers	Darwin, Danny	3.3	1
1983	Texas Rangers	Hough, Charlie	1.7	1
1983	Texas Rangers	Tanana, Frank	11.7	4
1983	Toronto Blue Jays	Alexander, Doyle	3.3	1
1983	Toronto Blue Jays	Gott, Jim	6.7	4
1984	Atlanta Braves	Barker, Len	1.7	1
1984	Atlanta Braves	Camp, Rick	16.7	6
1984	Atlanta Braves	Mahler, Rick	15.0	5
1984	Atlanta Braves	McMurtry, Craig	11.7	6
1984	Chicago Cubs	Rainey, Chuck	1.7	1
1984	Chicago Cubs	Reuschel, Rick	8.3	5
1984	Chicago Cubs	Ruthven, Dick	1.7	1
1984	Chicago Cubs	Trout, Steve	1.7	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1984	Cincinnati Reds	Berenyi, Bruce	3.3	2
1984	Cincinnati Reds	Pastore, Frank	13.3	10
1984	Cincinnati Reds	Russell, Jeff	5.0	2
1984	Houston Astros	Knepper, Bob	1.7	1
1984	Houston Astros	Scott, Mike	3.3	2
1984	Los Angeles Dodgers	Honeycutt, Rick	1.7	1
1984	Los Angeles Dodgers	Welch, Bob	3.3	1
1984	Montreal Expos	Palmer, David	1.7	1
1984	Montreal Expos	Rogers, Steve	5.0	2
1984	Philadelphia Phillies	Koosman, Jerry	3.3	1
1984	Pittsburgh Pirates	Candelaria, John	8.3	3
1984	Pittsburgh Pirates	DeLeon, Jose	3.3	1
1984	Pittsburgh Pirates	McWilliams, Larry	3.3	1
1984	San Diego Padres	Hawkins, Andy	23.3	12
1984	San Diego Padres	Thurmond, Mark	5.0	2
1984	San Francisco Giants	Davis, Mark	31.7	19
1984	San Francisco Giants	Grant, Mark	1.7	1
1984	San Francisco Giants	Krukow, Mike	3.3	2
1984	San Francisco Giants	Laskey, Bill	1.7	1
1984	San Francisco Giants	Robinson, Jeff	1.7	1
1984	St. Louis Cardinals	Cox, Danny	3.3	1
1984	St. Louis Cardinals	Forsch, Bob	8.3	6
1984	St. Louis Cardinals	Kepshire, Kurt	1.7	1
1984	St. Louis Cardinals	Stuper, John	5.0	3
1984	Baltimore Orioles	Davis, Storm	6.7	2
1984	Baltimore Orioles	Martinez, Dennis	23.3	13
1984	Boston Red Sox	Boyd, Oil Can	5.0	2
1984	Boston Red Sox	Brown, Mike	6.7	5
1984	Boston Red Sox	Clemens, Roger	1.7	1
1984	Boston Red Sox	Nipper, Al	8.3	4
1984	Boston Red Sox	Ojeda, Bob	1.7	1
1984	California Angels	John, Tommy	5.0	3
1984	California Angels	Slaton, Jim	16.7	9
1984	California Angels	Zahn, Geoff	1.7	1
1984	Chicago White Sox	Bannister, Floyd	1.7	1
1984	Chicago White Sox	Seaver, Tom	1.7	1
1984	Cleveland Indians	Blyleven, Bert	1.7	1
1984	Cleveland Indians	Comer, Steve	3.3	2
1984	Cleveland Indians	Farr, Steve	25.0	13
1984	Cleveland Indians	Heaton, Neal	6.7	4
1984	Cleveland Indians	Schulze, Don	8.3	4
1984	Cleveland Indians	Smith, Roy	13.3	7
1984	Detroit Tigers	Berenguer, Juan	6.7	3
1984	Detroit Tigers	Rozema, Dave	21.7	9
1984	Kansas City Royals	Gura, Larry	10.0	6
1984	Kansas City Royals	Jackson, Danny	6.7	3
1984	Kansas City Royals	Jones, Mike	18.3	10
1984	Minnesota Twins	Hodge, Ed	16.7	9
1984	Minnesota Twins	Schrom, Ken	6.7	3
1984	Minnesota Twins	Williams, Albert	10.0	6
1984	Milwaukee Brewers	Caldwell, Mike	11.7	6
1984	Milwaukee Brewers	Cocanower, Jaime	10.0	4

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1984	Milwaukee Brewers	Haas, Moose	1.7	1
1984	Milwaukee Brewers	Porter, Chuck	8.3	4
1984	New York Yankees	Cowley, Joe	8.3	3
1984	New York Yankees	Fontenot, Ray	18.3	7
1984	New York Yankees	Guidry, Ron	1.7	1
1984	New York Yankees	Niekro, Phil	1.7	1
1984	New York Yankees	Rawley, Shane	1.7	1
1984	Oakland Athletics	Burris, Ray	10.0	3
1984	Oakland Athletics	Krueger, Bill	3.3	2
1984	Oakland Athletics	McCatty, Steve	5.0	3
1984	Oakland Athletics	Young, Curt	5.0	2
1984	Seattle Mariners	Barojas, Salome	8.3	4
1984	Seattle Mariners	Langston, Mark	3.3	1
1984	Seattle Mariners	Moore, Mike	1.7	1
1984	Texas Rangers	Darwin, Danny	5.0	2
1984	Texas Rangers	Mason, Mike	20.0	8
1984	Texas Rangers	Stewart, Dave	8.3	4
1984	Toronto Blue Jays	Alexander, Doyle	1.7	1
1985	Atlanta Braves	Barker, Len	3.3	2
1985	Atlanta Braves	Johnson, Joe	1.7	1
1985	Chicago Cubs	Fontenot, Ray	25.0	12
1985	Chicago Cubs	Ruthven, Dick	8.3	4
1985	Cincinnati Reds	Tibbs, Jay	1.7	1
1985	Houston Astros	Scott, Mike	1.7	1
1985	Los Angeles Dodgers	Hershiser, Orel	3.3	1
1985	Los Angeles Dodgers	Honeycutt, Rick	10.0	4
1985	Los Angeles Dodgers	Reuss, Jerry	1.7	1
1985	Montreal Expos	Palmer, David	1.7	1
1985	Montreal Expos	Schatzeder, Dan	15.0	6
1985	Montreal Expos	Youmans, Floyd	3.3	1
1985	New York Mets	Aguilera, Rick	3.3	1
1985	New York Mets	Darling, Ron	1.7	1
1985	New York Mets	Lynch, Ed	3.3	1
1985	Philadelphia Phillies	Gross, Kevin	11.7	4
1985	Philadelphia Phillies	Hudson, Charles	20.0	8
1985	Philadelphia Phillies	Koosman, Jerry	1.7	1
1985	Philadelphia Phillies	Rawley, Shane	8.3	3
1985	Pittsburgh Pirates	DeLeon, Jose	10.0	5
1985	Pittsburgh Pirates	McWilliams, Larry	18.3	10
1985	Pittsburgh Pirates	Reuschel, Rick	8.3	2
1985	Pittsburgh Pirates	Tunnell, Lee	1.7	1
1985	San Diego Padres	Dravecky, Dave	5.0	2
1985	San Diego Padres	Thurmond, Mark	21.7	10
1985	San Francisco Giants	Blue, Vida	21.7	11
1985	St. Louis Cardinals	Forsch, Bob	25.0	11
1985	St. Louis Cardinals	Kepshire, Kurt	5.0	3
1985	Baltimore Orioles	Davis, Storm	5.0	3
1985	Baltimore Orioles	Dixon, Ken	26.7	11
1985	Baltimore Orioles	Martinez, Dennis	3.3	2
1985	Baltimore Orioles	McGregor, Scott	1.7	1
1985	Boston Red Sox	Hurst, Bruce	6.7	3
1985	Boston Red Sox	Lollar, Tim	10.0	5

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1985	Boston Red Sox	Ojeda, Bob	28.3	13
1985	California Angels	McCaskill, Kirk	1.7	1
1985	California Angels	Slaton, Jim	8.3	4
1985	Chicago White Sox	Burns, Britt	3.3	1
1985	Chicago White Sox	Davis, Joel	1.7	1
1985	Chicago White Sox	Lollar, Tim	8.3	4
1985	Chicago White Sox	Seaver, Tom	3.3	1
1985	Cleveland Indians	Heaton, Neal	5.0	3
1985	Cleveland Indians	Romero, Ramon	15.0	11
1985	Cleveland Indians	Schulze, Don	1.7	1
1985	Cleveland Indians	Smith, Roy	1.7	1
1985	Cleveland Indians	Wardle, Curt	5.0	4
1985	Kansas City Royals	Gubicza, Mark	1.7	1
1985	Minnesota Twins	Butcher, John	1.7	1
1985	Minnesota Twins	Schrom, Ken	5.0	3
1985	Milwaukee Brewers	Burris, Ray	1.7	1
1985	Milwaukee Brewers	Cocanower, Jaime	15.0	7
1985	Milwaukee Brewers	Darwin, Danny	16.7	7
1985	Milwaukee Brewers	Haas, Moose	1.7	1
1985	Milwaukee Brewers	Higuera, Teddy	3.3	1
1985	New York Yankees	Cowley, Joe	6.7	3
1985	New York Yankees	Guidry, Ron	1.7	1
1985	New York Yankees	Rasmussen, Dennis	10.0	4
1985	Oakland Athletics	Birtsas, Tim	6.7	3
1985	Oakland Athletics	Krueger, Bill	15.0	8
1985	Seattle Mariners	Beattie, Jim	5.0	4
1985	Seattle Mariners	Moore, Mike	1.7	1
1985	Seattle Mariners	Swift, Bill	3.3	2
1985	Seattle Mariners	Wills, Frank	10.0	7
1985	Seattle Mariners	Young, Matt	3.3	2
1985	Texas Rangers	Hooton, Burt	15.0	9
1985	Texas Rangers	Mason, Mike	13.3	7
1985	Toronto Blue Jays	Key, Jimmy	5.0	2
1985	Toronto Blue Jays	Leal, Luis	1.7	1
1986	Atlanta Braves	Acker, Jim	11.7	5
1986	Atlanta Braves	Johnson, Joe	3.3	2
1986	Atlanta Braves	Smith, Zane	10.0	4
1986	Chicago Cubs	Eckersley, Dennis	1.7	1
1986	Chicago Cubs	Lynch, Ed	16.7	7
1986	Chicago Cubs	Sanderson, Scott	15.0	7
1986	Chicago Cubs	Sutcliffe, Rick	1.7	1
1986	Chicago Cubs	Trout, Steve	20.0	11
1986	Houston Astros	Knepper, Bob	3.3	1
1986	Los Angeles Dodgers	Honeycutt, Rick	6.7	2
1986	Los Angeles Dodgers	Reuss, Jerry	10.0	6
1986	Montreal Expos	Martinez, Dennis	6.7	3
1986	Montreal Expos	Sebra, Bob	6.7	3
1986	Montreal Expos	Tibbs, Jay	6.7	3
1986	Montreal Expos	Youmans, Floyd	1.7	1
1986	New York Mets	Aguilera, Rick	13.3	6
1986	New York Mets	Fernandez, Sid	1.7	1
1986	New York Mets	Ojeda, Bob	3.3	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1986	Philadelphia Phillies	Gross, Kevin	1.7	1
1986	Philadelphia Phillies	Hudson, Charles	16.7	9
1986	Pittsburgh Pirates	Bielecki, Mike	6.7	3
1986	Pittsburgh Pirates	Kipper, Bob	1.7	1
1986	Pittsburgh Pirates	Reuschel, Rick	1.7	1
1986	San Diego Padres	Hawkins, Andy	3.3	2
1986	San Diego Padres	Hoyt, La Marr	16.7	10
1986	San Diego Padres	Show, Eric	3.3	1
1986	San Diego Padres	Thurmond, Mark	3.3	2
1986	San Diego Padres	Whitson, Ed	8.3	5
1986	San Francisco Giants	LaCoss, Mike	10.0	4
1986	San Francisco Giants	Mulholland, Terry	8.3	5
1986	St. Louis Cardinals	Conroy, Tim	6.7	4
1986	St. Louis Cardinals	Mathews, Greg	1.7	1
1986	Baltimore Orioles	Dixon, Ken	3.3	2
1986	Baltimore Orioles	Flanagan, Mike	1.7	1
1986	Baltimore Orioles	McGregor, Scott	1.7	1
1986	Boston Red Sox	Brown, Mike	8.3	5
1986	Boston Red Sox	Sellers, Jeff	1.7	1
1986	California Angels	McCaskill, Kirk	1.7	1
1986	California Angels	Slaton, Jim	3.3	2
1986	Chicago White Sox	Allen, Neil	8.3	4
1986	Chicago White Sox	Bannister, Floyd	1.7	1
1986	Cleveland Indians	Candiotti, Tom	3.3	1
1986	Cleveland Indians	Niekro, Phil	3.3	2
1986	Cleveland Indians	Schrom, Ken	1.7	1
1986	Cleveland Indians	Schulze, Don	10.0	6
1986	Detroit Tigers	Tanana, Frank	1.7	1
1986	Detroit Tigers	Terrell, Walt	1.7	1
1986	Kansas City Royals	Bankhead, Scott	11.7	6
1986	Kansas City Royals	Gubicza, Mark	18.3	7
1986	Kansas City Royals	Jackson, Danny	8.3	3
1986	Kansas City Royals	Leibrandt, Charlie	1.7	1
1986	Kansas City Royals	Leonard, Dennis	5.0	2
1986	Kansas City Royals	Saberhagen, Bret	8.3	4
1986	Minnesota Twins	Butcher, John	10.0	7
1986	Minnesota Twins	Heaton, Neal	6.7	3
1986	Minnesota Twins	Portugal, Mark	20.0	10
1986	Minnesota Twins	Smithson, Mike	1.7	1
1986	Milwaukee Brewers	Darwin, Danny	21.7	8
1986	Milwaukee Brewers	Leary, Tim	5.0	2
1986	Milwaukee Brewers	Nieves, Juan	3.3	2
1986	Milwaukee Brewers	Wegman, Bill	5.0	3
1986	New York Yankees	Drabek, Doug	10.0	5
1986	New York Yankees	John, Tommy	5.0	2
1986	New York Yankees	Tewksbury, Bob	5.0	2
1986	Oakland Athletics	Andujar, Joaquin	3.3	1
1986	Oakland Athletics	Langford, Rick	8.3	7
1986	Oakland Athletics	Plunk, Eric	18.3	11
1986	Oakland Athletics	Rijo, Jose	21.7	11
1986	Oakland Athletics	Stewart, Dave	20.0	8
1986	Oakland Athletics	Young, Curt	3.3	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1986	Seattle Mariners	Langston, Mark	1.7	1
1986	Seattle Mariners	Moore, Mike	1.7	1
1986	Seattle Mariners	Morgan, Mike	6.7	3
1986	Seattle Mariners	Swift, Bill	20.0	12
1986	Seattle Mariners	Wilcox, Milt	5.0	3
1986	Texas Rangers	Mason, Mike	8.3	4
1986	Toronto Blue Jays	Cerutti, John	23.3	11
1986	Toronto Blue Jays	Johnson, Joe	1.7	1
1986	Toronto Blue Jays	Key, Jimmy	1.7	1
1986	Toronto Blue Jays	Stieb, Dave	5.0	3
1987	Atlanta Braves	Mahler, Rick	18.3	10
1987	Atlanta Braves	O'Neal, Randy	10.0	6
1987	Chicago Cubs	Lancaster, Les	15.0	8
1987	Chicago Cubs	Maddux, Greg	5.0	3
1987	Chicago Cubs	Moyer, Jamie	3.3	2
1987	Chicago Cubs	Sanderson, Scott	16.7	8
1987	Cincinnati Reds	Browning, Tom	1.7	1
1987	Cincinnati Reds	Hoffman, Guy	23.3	11
1987	Houston Astros	Darwin, Danny	5.0	2
1987	Houston Astros	Deshaies, Jim	1.7	1
1987	Houston Astros	Knepper, Bob	3.3	2
1987	Los Angeles Dodgers	Hershiser, Orel	3.3	1
1987	Los Angeles Dodgers	Hillegas, Shawn	3.3	1
1987	Los Angeles Dodgers	Honeycutt, Rick	11.7	6
1987	Montreal Expos	Sebra, Bob	15.0	7
1987	Montreal Expos	Tibbs, Jay	11.7	6
1987	New York Mets	Aguilera, Rick	1.7	1
1987	New York Mets	Cone, David	13.3	6
1987	New York Mets	Fernandez, Sid	1.7	1
1987	New York Mets	Mitchell, John	1.7	1
1987	Philadelphia Phillies	Gross, Kevin	1.7	1
1987	Pittsburgh Pirates	Drabek, Doug	1.7	1
1987	Pittsburgh Pirates	Fisher, Brian	18.3	9
1987	Pittsburgh Pirates	Kipper, Bob	6.7	4
1987	San Diego Padres	Hawkins, Andy	6.7	4
1987	San Diego Padres	Jones, Jimmy	13.3	6
1987	San Diego Padres	Whitson, Ed	3.3	2
1987	San Francisco Giants	Davis, Mark	15.0	8
1987	San Francisco Giants	Downs, Kelly	21.7	9
1987	San Francisco Giants	Hammaker, Atlee	6.7	3
1987	San Francisco Giants	Krukow, Mike	3.3	2
1987	San Francisco Giants	LaCoss, Mike	21.7	9
1987	St. Louis Cardinals	Forsch, Bob	5.0	2
1987	St. Louis Cardinals	Magrane, Joe	1.7	1
1987	Baltimore Orioles	Bell, Eric	6.7	4
1987	Baltimore Orioles	McGregor, Scott	18.3	14
1987	Boston Red Sox	Sellers, Jeff	5.0	3
1987	Boston Red Sox	Stanley, Bob	23.3	13
1987	California Angels	Fraser, Willie	21.7	9
1987	California Angels	McCaskill, Kirk	1.7	1
1987	California Angels	Reuss, Jerry	1.7	1
1987	California Angels	Sutton, Don	1.7	1

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1987	Chicago White Sox	Allen, Neil	8.3	7
1987	Chicago White Sox	DeLeon, Jose	3.3	1
1987	Chicago White Sox	LaPoint, Dave	3.3	1
1987	Chicago White Sox	Long, Bill	10.0	5
1987	Cleveland Indians	Akerfelds, Darrel	5.0	4
1987	Cleveland Indians	Carlton, Steve	15.0	9
1987	Cleveland Indians	Schrom, Ken	5.0	4
1987	Cleveland Indians	Swindell, Greg	1.7	1
1987	Detroit Tigers	Petry, Dan	15.0	9
1987	Detroit Tigers	Robinson, Jeff	13.3	8
1987	Kansas City Royals	Black, Bud	18.3	7
1987	Kansas City Royals	Jackson, Danny	3.3	1
1987	Minnesota Twins	Niekro, Joe	1.7	1
1987	Minnesota Twins	Smithson, Mike	1.7	1
1987	Minnesota Twins	Straker, Les	8.3	4
1987	Milwaukee Brewers	Nieves, Juan	1.7	1
1987	Milwaukee Brewers	Wegman, Bill	1.7	1
1987	New York Yankees	Guidry, Ron	8.3	3
1987	New York Yankees	Rasmussen, Dennis	1.7	1
1987	New York Yankees	Rhoden, Rick	1.7	1
1987	Oakland Athletics	Ontiveros, Steve	21.7	10
1987	Oakland Athletics	Rijo, Jose	11.7	8
1987	Seattle Mariners	Bankhead, Scott	3.3	2
1987	Seattle Mariners	Guetterman, Lee	13.3	6
1987	Seattle Mariners	Morgan, Mike	5.0	3
1987	Texas Rangers	Guzman, Jose	11.7	6
1987	Texas Rangers	Witt, Bobby	1.7	1
1987	Toronto Blue Jays	Stieb, Dave	3.3	2
1988	Atlanta Braves	Coffman, Kevin	9.3	6
1988	Atlanta Braves	Mahler, Rick	6.7	3
1988	Atlanta Braves	Smith, Zane	1.3	1
1988	Chicago Cubs	Moyer, Jamie	5.3	2
1988	Chicago Cubs	Nipper, Al	13.3	4
1988	Chicago Cubs	Schiraldi, Calvin	2.7	1
1988	Cincinnati Reds	Armstrong, Jack	1.3	1
1988	Cincinnati Reds	Robinson, Ron	1.3	1
1988	Los Angeles Dodgers	Belcher, Tim	12.0	4
1988	Los Angeles Dodgers	Hershiser, Orel	1.3	0
1988	Los Angeles Dodgers	Hillegas, Shawn	1.3	1
1988	Los Angeles Dodgers	Leary, Tim	1.3	0
1988	Los Angeles Dodgers	Valenzuela, Fernando	1.3	1
1988	Montreal Expos	Holman, Brian	2.7	1
1988	Montreal Expos	Youmans, Floyd	1.3	0
1988	New York Mets	Cone, David	9.3	2
1988	Philadelphia Phillies	Carman, Don	5.3	3
1988	Pittsburgh Pirates	Drabek, Doug	1.3	0
1988	Pittsburgh Pirates	Dunne, Mike	2.7	1
1988	Pittsburgh Pirates	Fisher, Brian	14.7	8
1988	Pittsburgh Pirates	Smiley, John	2.7	1
1988	San Diego Padres	Whitson, Ed	1.3	1
1988	San Francisco Giants	Downs, Kelly	1.3	0
1988	Baltimore Orioles	Bautista, Jose	10.7	5

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1988	Baltimore Orioles	Peraza, Oswaldo	5.3	3
1988	Baltimore Orioles	Tibbs, Jay	8.0	5
1988	Boston Red Sox	Boddicker, Mike	1.3	0
1988	Boston Red Sox	Hurst, Bruce	1.3	1
1988	Boston Red Sox	Sellers, Jeff	8.0	4
1988	Boston Red Sox	Smithson, Mike	17.3	11
1988	California Angels	Fraser, Willie	2.7	2
1988	Chicago White Sox	Reuss, Jerry	4.0	2
1988	Cleveland Indians	Bailes, Scott	21.3	12
1988	Cleveland Indians	Farrell, John	1.3	1
1988	Cleveland Indians	Nichols, Rod	1.3	1
1988	Cleveland Indians	Yett, Rich	1.3	1
1988	Detroit Tigers	Robinson, Jeff	1.3	0
1988	Kansas City Royals	Power, Ted	13.3	9
1988	Minnesota Twins	Lea, Charlie	1.3	1
1988	Minnesota Twins	Straker, Les	2.7	1
1988	Minnesota Twins	Toliver, Freddie	2.7	1
1988	Milwaukee Brewers	August, Don	2.7	1
1988	Milwaukee Brewers	Bosio, Chris	21.3	8
1988	Milwaukee Brewers	Filer, Tom	4.0	2
1988	Milwaukee Brewers	Nieves, Juan	13.3	6
1988	Milwaukee Brewers	Wegman, Bill	1.3	1
1988	New York Yankees	Candelaria, John	1.3	1
1988	New York Yankees	Dotson, Richard	4.0	2
1988	New York Yankees	Guidry, Ron	2.7	1
1988	New York Yankees	John, Tommy	4.0	2
1988	Oakland Athletics	Burns, Todd	4.0	1
1988	Seattle Mariners	Moore, Mike	6.7	3
1988	Seattle Mariners	Swift, Bill	18.7	10
1988	Seattle Mariners	Trout, Steve	2.7	2
1988	Texas Rangers	Russell, Jeff	13.3	6
1988	Toronto Blue Jays	Clancy, Jim	6.7	3
1988	Toronto Blue Jays	Stieb, Dave	1.3	0
1988	Toronto Blue Jays	Stottlemyre, Todd	16.0	10
1989	Atlanta Braves	Clary, Marty	1.3	0
1989	Atlanta Braves	Lilliquist, Derek	2.7	1
1989	Atlanta Braves	Smith, Pete	1.3	1
1989	Chicago Cubs	Kilgus, Paul	16.0	8
1989	Chicago Cubs	Sanderson, Scott	18.7	8
1989	Chicago Cubs	Sutcliffe, Rick	1.3	1
1989	Cincinnati Reds	Mahler, Rick	12.0	5
1989	Cincinnati Reds	Scudder, Scott	8.0	4
1989	Houston Astros	Clancy, Jim	9.3	5
1989	Houston Astros	Knepper, Bob	2.7	2
1989	Houston Astros	Portugal, Mark	6.7	2
1989	Houston Astros	Rhoden, Rick	4.0	2
1989	Houston Astros	Scott, Mike	1.3	0
1989	Los Angeles Dodgers	Belcher, Tim	12.0	4
1989	Los Angeles Dodgers	Hershiser, Orel	2.7	1
1989	Los Angeles Dodgers	Leary, Tim	2.7	1
1989	Montreal Expos	Martinez, Dennis	1.3	0
1989	Montreal Expos	Perez, Pascual	6.7	2

Year	Team	Name	Estimated Relief IP	Estimated Relief ER
1989	Montreal Expos	Smith, Bryn	1.3	0
1989	New York Mets	Cone, David	1.3	1
1989	New York Mets	Fernandez, Sid	4.0	1
1989	New York Mets	Gooden, Dwight	2.7	1
1989	Philadelphia Phillies	Cook, Dennis	6.7	3
1989	Philadelphia Phillies	Howell, Ken	1.3	1
1989	Philadelphia Phillies	Mulholland, Terry	4.0	2
1989	Philadelphia Phillies	Ruffin, Bruce	1.3	1
1989	Pittsburgh Pirates	Drabek, Doug	1.3	0
1989	Pittsburgh Pirates	Walk, Bob	2.7	1
1989	San Francisco Giants	Downs, Kelly	4.0	2
1989	San Francisco Giants	Garrelts, Scott	1.3	0
1989	San Francisco Giants	Robinson, Don	2.7	1
1989	St. Louis Cardinals	Magrane, Joe	1.3	0
1989	St. Louis Cardinals	Power, Ted	10.7	4
1989	St. Louis Cardinals	Terry, Scott	9.3	4
1989	Baltimore Orioles	Bautista, Jose	6.7	4
1989	Baltimore Orioles	Harnisch, Pete	1.3	1
1989	Baltimore Orioles	Milacki, Bob	1.3	1
1989	Baltimore Orioles	Schmidt, Dave	16.0	10
1989	Boston Red Sox	Dopson, John	1.3	1
1989	Boston Red Sox	Gardner, Wes	8.0	5
1989	Boston Red Sox	Hetzel, Eric	1.3	1
1989	Chicago White Sox	Reuss, Jerry	5.3	3
1989	Chicago White Sox	Rosenberg, Steve	22.7	12
1989	Cleveland Indians	Black, Bud	1.3	0
1989	Cleveland Indians	Nichols, Rod	5.3	3
1989	Kansas City Royals	Leibrandt, Charlie	8.0	5
1989	Kansas City Royals	Saberhagen, Bret	1.3	0
1989	Minnesota Twins	Dyer, Mike	5.3	3
1989	Minnesota Twins	Rawley, Shane	2.7	2
1989	Minnesota Twins	Smith, Roy	8.0	3
1989	Milwaukee Brewers	August, Don	8.0	5
1989	Milwaukee Brewers	Clutterbuck, Bryan	4.0	2
1989	Milwaukee Brewers	Navarro, Jaime	2.7	1
1989	New York Yankees	Cadaret, Greg	9.3	5
1989	New York Yankees	Parker, Clay	6.7	3
1989	Oakland Athletics	Young, Curt	6.7	3
1989	Seattle Mariners	Holman, Brian	1.3	1
1989	Toronto Blue Jays	Cerutti, John	2.7	1
1989	Toronto Blue Jays	Stottlemyre, Todd	12.0	5