



THE MACALESTER TRIALS

October 31 – November 2, 2014
St. Paul, Minnesota

Official Tabulation Summary

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1022 Macalester	Δ v. 1168	π v. 1368	π v. 1057	Δ v. 1290	6-2
	W W	W L	W W	W L	
	+24 +20	+11 -4	+10 +3	+10 -2	WB: 23.26
1023 Macalester	π v. 1406	Δ v. 1109	π v. 1368	Δ v. 1056	6-2
	W W	W W	L L	W W	
	+26 +4	+7 +1	-9 -8	+5 +2	WB: 20.35
1024 Macalester	Δ v. 1089	π v. 1056	π v. 1122	Δ v. 1368	6-2
	W W	W W	W L	W L	
	+16 +1	+2 +2	+1 -2	+3 -4	WB: 23.48
1056 Carleton	π v. 1199	Δ v. 1024	Δ v. 1366	π v. 1023	4-4
	W W	L L	W W	L L	
	+19 +10	-2 -2	+12 +5	-5 -2	WB: 18.77
1057 Carleton	π v. 1083	Δ v. 1079	Δ v. 1022	π v. 1367	3-5
	W L	W W	L L	L L	
	+2 -6	+15 +15	-10 -3	-24 -7	WB: 14.21
1079 St. Olaf	Δ v. 9999	π v. 1057	Δ v. 1168	π v. 1590	4-4
	L L	L L	W W	W W	
	-7 -2	-15 -15	+10 +6	+13 +5	WB: 11.74
1082 Grinnell	Δ v. 1108	π v. 1168	π v. 1110	Δ v. 1117	2-4-2
	L L	W L	W L	T T	
	-26 -8	+2 -7	+6 -10		WB: 7.86
1083 Grinnell	Δ v. 1057	π v. 1361	Δ v. 1367	π v. 1406	2-6
	W L	L L	L L	W L	
	+6 -2	-39 -30	-9 -8	+1 -9	WB: 8.84
1088 Wisconsin-Superior	Δ v. 1110	π v. 1366	Δ v. 1601	π v. 1171	5-3
	W L	W L	W L	W W	
	+1 -5	+6 -2	+3 -3	+33 +22	WB: 18.15
1089 Wisconsin-Superior	π v. 1024	Δ v. 1199	π v. 1700	Δ v. 1602	4-4
	L L	W W	W W	L L	
	-16 -1	+18 +9	+20 +18	-10 -9	WB: 11.63

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1108 Hamline	π v. 1082 W W +26 +8	Δ v. 1700 W W +41 +40	π v. 1108 W L +4 -5	Δ v. 1122 L L -9 -4	5-3
					WB: 17.25
1109 Hamline	Δ v. 1123 W W +17 +4	π v. 1023 L L -7 -1	π v. 1290 L L -14 -8	Δ v. 1700 W W +22 +12	4-4
					WB: 12.53
1110 Hamline	π v. 1088 W L +5 -1	Δ v. 1602 L L -29 -18	Δ v. 1082 W L +10 -6	π v. 1366 L L -14 -7	2-6
					WB: 10.10
1117 Wisconsin-La Crosse	Δ v. 1368 L L -24 -15	π v. 9999 W L +6 -17	Δ v. 1590 L L -8 -2	π v. 1082 T T	1-5-2
					WB: 7.91
1122 South Dakota	π v. 1601 W W +23 +6	Δ v. 1367 W T +11	Δ v. 1024 W L +2 -1	π v. 1108 W W +9 +4	6-1-1
					WB: 28.19
1123 South Dakota	π v. 1109 L L -17 -4	Δ v. 1406 W W +20 -8	Δ v. 1600 L L -8 -4	π v. 1601 L L -15 -5	2-6
					WB: 12.39
1168 Minnesota-Duluth	π v. 1022 L L -24 -20	Δ v. 1082 W L +7 -2	π v. 1079 L L -10 -6	Δ v. 9999 W W +1 +1	3-5
					WB: 10.01
1171 Benedictine	Δ v. 1366 W L +3 -12	π v. 1290 W T +2	π v. 1602 W L +9 -1	Δ v. 1088 L L -33 -22	3-4-1
					WB: 14.59
1199 St. John's/St. Ben's	Δ v. 1056 L L -19 -10	π v. 1089 L L +18 +9	π v. 9999 L L -1 -1	Δ v. 1800 W W +2 +2	2-6
					WB: 7.38
1290 Air Force	π v. 1602 W T +3	Δ v. 1171 L T -2	Δ v. 1109 W W +14 +8	π v. 1022 W L +2 -10	4-2-2
					WB: 20.99
1361 Macalester	π v. 1590 W W +11 +7	Δ v. 1083 W W +39 +30	Δ v. 1108 W L +5 -4	π v. 1600 W W +4 +1	7-1
					WB: 19.64
1366 Drake	π v. 1171 W L +12 -3	Δ v. 1088 W L +2 -6	π v. 1056 L L -12 -5	Δ v. 1110 W W +14 +7	4-4
					WB: 14.73
1367 Drake	Δ v. 1600 W L +8 -3	π v. 1122 L T -11	π v. 1083 W W +9 +8	Δ v. 1057 W W +24 +7	5-2-1
					WB: 18.66
1368 Drake	π v. 1117 W W +24 +15	Δ v. 1022 W L +4 -11	Δ v. 1023 W W +9 +8	π v. 1024 W L +4 -3	6-2
					WB: 21.33

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1406 Air Force	Δ v. 1023 L L -26 -4	π v. 1123 L L -20 -8	π v. 1800 W W +21 +10	Δ v. 1083 W L +9 -1	3-5 WB: 7.70
	Δ v. 1361 L L -11 -7	π v. 1600 W L +3 -25	π v. 1117 W W +8 +2	Δ v. 1079 L L -13 -5	3-5 WB: 9.39
1600 Minnesota	π v. 1367 W L +3 -8	Δ v. 1590 W L +25 -3	π v. 1123 W W +8 +4	Δ v. 1361 L L -4 -1	4-4 WB: 17.10
	Δ v. 1122 L L -23 -6	π v. 1800 W W +17 +15	π v. 1088 W L +3 -3	Δ v. 1123 W W +15 +5	5-3 WB: 14.41
1602 Minnesota	Δ v. 1290 L T -3	π v. 1110 W W +29 +18	Δ v. 1171 W L +1 -9	π v. 1089 W W +10 +9	5-2-1 WB: 19.02
	Δ v. 1800 W W +9 +9	π v. 1108 L L -41 -40	Δ v. 1089 L L -20 -18	π v. 1109 L L -22 -12	2-6 WB: 2.55
1800 Wisconsin-La Crosse	π v. 1700 L L -9 -9	Δ v. 1601 L L -17 -15	Δ v. 1406 L L -21 -10	π v. 1199 L L -2 -2	0-8 WB: 3.19
	π v. 1079 W W +7 +2	Δ v. 1117 W L +17 -6	Δ v. 1199 W W +1 +1	π v. 1168 L L -1 -1	5-3 WB: 13.23

TIE-BREAKER

The Macalester Invitational uses the Weighted Ballots System to break ties between teams with the same record (unless a head-to-head tiebreaker can be used). A full explanation of how the tiebreaker is calculated, along with a more detailed statistical breakdown, is attached to this summary.

OUTSTANDING TRIAL TEAMS

1st)	1361	Macalester	7-1	WB: 19.64
2nd)	1122	South Dakota	6-1-1	WB: 28.19
3rd)	1024	Macalester	6-2	WB: 23.48
4th)	1022	Macalester	6-2	WB: 23.26
5th)	1368	Drake	6-2	WB: 21.33
6th)	1023	Macalester	6-2	WB: 20.35
7th)	1602	Minnesota	5-2-1	WB: 19.02
8th)	1367	Drake	5-2-1	WB: 18.66
9th)	1290	Air Force	4-2-2	WB: 20.99
10th)	1088	Wisconsin-Superior	5-3	WB: 18.15
HM)	1108	Hamline	5-3	WB: 17.25
HM)	1601	Minnesota	5-3	WB: 14.01

OUTSTANDING ATTORNEYS

20/18	π/Δ	Adithya Balaji	1079	St. Olaf
20	Δ	Gina Biagetti	1290	Air Force
20	Δ	Andrew Hanson	1089	Wisconsin-Superior
20	π	Cody Chaffee	1088	Wisconsin-Superior
19	π	Megan Elkin	1108	Hamline
19	Δ	Christopher Lee	1083	Grinnell
19	π	Patrick Boyle	1290	Air Force
18	π	Kevin Fortune	1024	Macalester
18	π	Elliott Averett	1022	Macalester
18	π	Sara Watson	1082	Grinnell
18	Δ	Jamie Halverson	1602	Minnesota
18	π	Brittany Johnson	1600	Minnesota
18	Δ	Alexander Rafferty	1600	Minnesota
18	Δ	Jon Rollins	1168	Minnesota-Duluth
18	π	Katelyn Steffel	1122	South Dakota
18	Δ	Cecilia Panella	1367	Drake

OUTSTANDING WITNESSES

20	π	Max Wang	1361	Macalester
20	π	Brittany Fish	1368	Drake
20	Δ	Colin Casey	9999	Bye Buster (Macalester)
19	π	Allie Eaton	1602	Minnesota
19	π	Meagan Guptill	1088	Wisconsin-Superior
18	π	Tia Goglio	1800	Wisconsin-La Crosse
18	π	Julie Loftus	1601	Minnesota
18	π	Ryan Poro	1171	Benedictine
18	Δ	Kaitlyn Cook	1056	Carleton
18	π	Andrew Hanson	1089	Wisconsin-Superior
18	Δ	Kevin Smaller	1367	Drake
17	π	Sarah Dremel	1600	Minnesota
17	Δ	Devan Stewart	1082	Grinnell
17	Δ	Aurora Kodira	1600	Minnesota
17	Δ	Henna Bagha	1109	Hamline
17	π	Turner Tomczyk	1088	Wisconsin-Superior

Sabermetric Tab Summary

The Macalester Trials

Oct. 31-Nov. 2, 2014

Complete Win: 14

Red = π Blue = Δ

No.	Team	Opp. Name		Opp. Name		Opp. Name		Opp. Name		Record:
		Opp. No.	Opp. PB	Opp. No.	Opp. PB	Opp. No.	Opp. PB	Opp. No.	Opp. PB	
	Point Differential:	Ballot 1	Ballot 2	Ballot 3	Ballot 4	Ballot 5	Ballot 6	Ballot 7	Ballot 8	PD:
	Partial Ballots:	PB 1	PB 2	PB 3	PB 4	PB 5	PB 6	PB 7	PB 8	Σ(PB):
	Weighted Ballots:	WB 1	WB 2	WB 3	WB 4	WB 5	WB 6	WB 7	WB 8	Σ(WB):
1022	Macalester A	Minnesota-Duluth		Drake C		Carleton B		Air Force A		Record: 6
		1168	2.678571	1368	5.392857	1057	3.642857	1290	4.535714	CS: 17
	Point Differential:	+24	+20	+11	-4	+10	+3	+10	-2	PD: 72
	Partial Ballots:	1	1	0.892857	0.357143	0.857143	0.607143	0.857143	0.428571	Σ(PB): 6
	Weighted Ballots:	2.678571	2.678571	4.815051	1.92602	3.122449	2.211735	3.887755	1.943878	Σ(WB): 23.26403
1023	Macalester B	Air Force B		Hamline B		Drake C		Carleton A		Record: 6
		1406	3.714286	1109	4.5	1368	5.392857	1056	5.071429	CS: 17
	Point Differential:	+26	+4	+7	+1	-9	-8	+5	+2	PD: 28
	Partial Ballots:	1	0.642857	0.75	0.535714	0.178571	0.214286	0.678571	0.571429	Σ(PB): 4.571429
	Weighted Ballots:	3.714286	2.387755	3.375	2.410714	0.96301	1.155612	3.441327	2.897959	Σ(WB): 20.34566
1024	Macalester C	UW-Superior B		Carleton A		South Dakota A		Drake C		Record: 6
		1089	4.607143	1056	5.071429	1122	5.607143	1368	5.392857	CS: 20.5
	Point Differential:	+16	+1	+2	+2	+1	-2	+3	-4	PD: 19
	Partial Ballots:	1	0.535714	0.571429	0.571429	0.535714	0.428571	0.607143	0.357143	Σ(PB): 4.607143
	Weighted Ballots:	4.607143	2.468112	2.897959	2.897959	3.003827	2.403061	3.274235	1.92602	Σ(WB): 23.47832
1056	Carleton A	St. John's/St. Ben's A		Macalester C		Drake A		Macalester B		Record: 4
		1199	2.392857	1024	4.607143	1366	4.321429	1023	4.571429	CS: 18
	Point Differential:	+19	+10	-2	-2	+12	+5	-5	-2	PD: 35
	Partial Ballots:	1	0.857143	0.428571	0.428571	0.928571	0.678571	0.321429	0.428571	Σ(PB): 5.071429
	Weighted Ballots:	2.392857	2.05102	1.97449	1.97449	4.012755	2.932398	1.469388	1.959184	Σ(WB): 18.76658
1057	Carleton B	Grinnell B		St. Olaf		Macalester A		Drake B		Record: 3
		1083	2.25	1079	3.892857	1022	6	1367	5.142857	CS: 17.5
	Point Differential:	+2	-6	+15	+15	-10	-3	-24	-7	PD: -18
	Partial Ballots:	0.571429	0.285714	1	1	0.142857	0.392857	0	0.25	Σ(PB): 3.642857
	Weighted Ballots:	1.285714	0.642857	3.892857	3.892857	0.857143	2.357143	0	1.285714	Σ(WB): 14.21429

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1079	St. Olaf	Bye Buster	Carleton B	Minnesota-Duluth	St. John's/St. Ben's B	Record:	4
		9999 4.607143	1057 3.642857	1168 2.678571	1590 2.678571	CS:	14
	Point Differential:	-7 -2	-15 -15	+10 +6	+13 +5	PD:	-5
	Partial Ballots:	0.25 0.428571	0 0	0.857143 0.714286	0.964286 0.678571	Σ(PB):	3.892857
	Weighted Ballots:	1.151786 1.97449	0 0	2.295918 1.913265	2.582908 1.817602	Σ(WB):	11.73597
1082	Grinnell A	Hamline A	Minnesota-Duluth	Hamline C	UW-La Crosse A	Record:	3
		1108 5.285714	1168 2.678571	1110 2.535714	1117 2.357143	CS:	12
	Point Differential:	-26 -8	+2 -7	+6 -10	0 0	PD:	-43
	Partial Ballots:	0 0.214286	0.571429 0.25	0.714286 0.142857	0.5 0.5	Σ(PB):	2.892857
	Weighted Ballots:	0 1.132653	1.530612 0.669643	1.811224 0.362245	1.178571 1.178571	Σ(WB):	7.86352
1083	Grinnell B	Carleton B	Macalester D	Drake B	Air Force B	Record:	2
		1057 3.642857	1361 5.857143	1367 5.142857	1406 3.714286	CS:	18.5
	Point Differential:	+6 -2	-39 -30	-9 -8	+1 -9	PD:	-90
	Partial Ballots:	0.714286 0.428571	0 0	0.178571 0.214286	0.535714 0.178571	Σ(PB):	2.25
	Weighted Ballots:	2.602041 1.561224	0 0	0.918367 1.102041	1.989796 0.663265	Σ(WB):	8.836735
1088	UW-Superior A	Hamline C	Drake A	Minnesota B	Benedictine	Record:	5
		1110 2.535714	1366 4.321429	1601 4.964286	1171 3.035714	CS:	14.5
	Point Differential:	+1 -5	+6 -2	+3 -3	+33 +22	PD:	55
	Partial Ballots:	0.535714 0.321429	0.714286 0.428571	0.607143 0.392857	1 1	Σ(PB):	5
	Weighted Ballots:	1.358418 0.815051	3.086735 1.852041	3.014031 1.950255	3.035714 3.035714	Σ(WB):	18.14796
1089	UW-Superior B	Macalester C	St. John's/St. Ben's A	UW-Parkside	Minnesota C	Record:	4
		1024 4.607143	1199 2.392857	1700 1.714286	1602 5.285714	CS:	15.5
	Point Differential:	-16 -1	+18 +9	+20 +18	-10 -9	PD:	29
	Partial Ballots:	0 0.464286	1 0.821429	1 1	0.142857 0.178571	Σ(PB):	4.607143
	Weighted Ballots:	0 2.139031	2.392857 1.965561	1.714286 1.714286	0.755102 0.943878	Σ(WB):	11.625
1108	Hamline A	Grinnell A	UW-Parkside	Macalester D	South Dakota A	Record:	5
		1082 2.892857	1700 1.714286	1361 5.857143	1122 5.607143	CS:	18.5
	Point Differential:	+26 +8	+41 +40	+4 -5	-9 -4	PD:	101
	Partial Ballots:	1 0.785714	1 1	0.642857 0.321429	0.178571 0.357143	Σ(PB):	5.285714
	Weighted Ballots:	2.892857 2.272959	1.714286 1.714286	3.765306 1.882653	1.001276 2.002551	Σ(WB):	17.24617
1109	Hamline B	South Dakota B	Macalester B	Air Force A	UW-Parkside	Record:	4
		1123 3.035714	1023 4.571429	1290 4.535714	1700 1.714286	CS:	15
	Point Differential:	+17 +4	-7 -1	-14 -8	+22 +12	PD:	25
	Partial Ballots:	1 0.642857	0.25 0.464286	0 0.214286	1 0.928571	Σ(PB):	4.5
	Weighted Ballots:	3.035714 1.951531	1.142857 2.122449	0 0.971939	1.714286 1.591837	Σ(WB):	12.53061

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1110 Hamline C	UW-Superior A		Minnesota C		Grinnell A		Drake A		Record:	2		
	1088	5	1602	5.285714	1082	2.892857	1366	4.321429	CS:	17.5		
	Point Differential:		+5	-1	-29	-18	+10	-6	-14	-7	PD:	-60
	Partial Ballots:		0.678571	0.464286	0	0	0.857143	0.285714	0	0.25	Σ(PB):	2.535714
	Weighted Ballots:		3.392857	2.321429	0	0	2.479592	0.826531	0	1.080357	Σ(WB):	10.10077
1117 UW-La Crosse A	Drake C		Bye Buster		St. John's/St. Ben's B		Grinnell A		Record:	2		
	1368	5.392857	9999	4.607143	1590	2.678571	1082	2.892857	CS:	17		
	Point Differential:		-24	-15	+6	-17	-8	-2	0	0	PD:	-60
	Partial Ballots:		0	0	0.714286	0	0.214286	0.428571	0.5	0.5	Σ(PB):	2.357143
	Weighted Ballots:		0	0	3.290816	0	0.57398	1.147959	1.446429	1.446429	Σ(WB):	7.905612
1122 South Dakota A	Minnesota B		Drake B		Macalester C		Hamline A		Record:	6.5		
	1601	4.964286	1367	5.142857	1024	4.607143	1108	5.285714	CS:	21.5		
	Point Differential:		+23	+6	+11	0	+2	-1	+9	+4	PD:	54
	Partial Ballots:		1	0.714286	0.892857	0.5	0.571429	0.464286	0.821429	0.642857	Σ(PB):	5.607143
	Weighted Ballots:		4.964286	3.545918	4.591837	2.571429	2.632653	2.139031	4.341837	3.397959	Σ(WB):	28.18495
1123 South Dakota B	Hamline B		Air Force B		Minnesota A		Minnesota B		Record:	2		
	1109	4.5	1406	3.714286	1600	4.464286	1601	4.964286	CS:	16		
	Point Differential:		-17	-4	+20	+8	-8	-4	-15	-5	PD:	-25
	Partial Ballots:		0	0.357143	1	0.785714	0.214286	0.357143	0	0.321429	Σ(PB):	3.035714
	Weighted Ballots:		0	1.607143	3.714286	2.918367	0.956633	1.594388	0	1.595663	Σ(WB):	12.38648
1168 Minnesota-Duluth	Macalester A		Grinnell A		St. Olaf		Bye Buster		Record:	3		
	1022	6	1082	2.892857	1079	3.892857	9999	4.607143	CS:	18		
	Point Differential:		-24	-20	+7	-2	-10	-6	+1	+1	PD:	-53
	Partial Ballots:		0	0	0.75	0.428571	0.142857	0.285714	0.535714	0.535714	Σ(PB):	2.678571
	Weighted Ballots:		0	0	2.169643	1.239796	0.556122	1.112245	2.468112	2.468112	Σ(WB):	10.01403
1171 Benedictine	Drake A		Air Force A		Minnesota C		UW-Superior A		Record:	3.5		
	1366	4.321429	1290	4.535714	1602	5.285714	1088	5	CS:	19.5		
	Point Differential:		+3	-12	+2	0	+9	-1	-33	-22	PD:	-54
	Partial Ballots:		0.607143	0.071429	0.571429	0.5	0.821429	0.464286	0	0	Σ(PB):	3.035714
	Weighted Ballots:		2.623724	0.308673	2.591837	2.267857	4.341837	2.454082	0	0	Σ(WB):	14.58801
1199 St. John's/St. Ben's A	Carleton A		UW-Superior B		Bye Buster		UW-La Crosse B		Record:	2		
	1056	5.071429	1089	4.607143	9999	4.607143	1800	1.357143	CS:	13		
	Point Differential:		-19	-10	-18	-9	-1	-1	+2	+2	PD:	-54
	Partial Ballots:		0	0.142857	0	0.178571	0.464286	0.464286	0.571429	0.571429	Σ(PB):	2.392857
	Weighted Ballots:		0	0.72449	0	0.822704	2.139031	2.139031	0.77551	0.77551	Σ(WB):	7.376276

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1290	Air Force A	Minnesota C	Benedictine	Hamline B	Macalester A	Record:	5
		1602 5.285714	1171 3.035714	1109 4.5	1022 6	CS:	19
	Point Differential:	+3 0	-2 0	+14 +8	+2 -10	PD:	15
	Partial Ballots:	0.607143 0.5	0.428571 0.5	1 0.785714	0.571429 0.142857	Σ(PB):	4.535714
	Weighted Ballots:	3.209184 2.642857	1.30102 1.517857	4.5 3.535714	3.428571 0.857143	Σ(WB):	20.99235
1361	Macalester D	St. John's/St. Ben's B	Grinnell B	Hamline A	Minnesota A	Record:	7
		1590 2.678571	1083 2.25	1108 5.285714	1600 4.464286	CS:	14
	Point Differential:	+11 +7	+39 +30	+5 -4	+4 +1	PD:	93
	Partial Ballots:	0.892857 0.75	1 1	0.678571 0.357143	0.642857 0.535714	Σ(PB):	5.857143
	Weighted Ballots:	2.391582 2.008929	2.25 2.25	3.586735 1.887755	2.869898 2.391582	Σ(WB):	19.63648
1366	Drake A	Benedictine	UW-Superior A	Carleton A	Hamline C	Record:	4
		1171 3.035714	1088 5	1056 5.071429	1110 2.535714	CS:	14.5
	Point Differential:	+12 -3	+2 -6	-12 -5	+14 +7	PD:	9
	Partial Ballots:	0.928571 0.392857	0.571429 0.285714	0.071429 0.321429	1 0.75	Σ(PB):	4.321429
	Weighted Ballots:	2.818878 1.192602	2.857143 1.428571	0.362245 1.630102	2.535714 1.901786	Σ(WB):	14.72704
1367	Drake B	Minnesota A	South Dakota A	Grinnell B	Carleton B	Record:	5.5
		1600 4.464286	1122 5.607143	1083 2.25	1057 3.642857	CS:	15.5
	Point Differential:	+8 -3	-11 0	+9 +8	+24 +7	PD:	42
	Partial Ballots:	0.785714 0.392857	0.107143 0.5	0.821429 0.785714	1 0.75	Σ(PB):	5.142857
	Weighted Ballots:	3.507653 1.753827	0.600765 2.803571	1.848214 1.767857	3.642857 2.732143	Σ(WB):	18.65689
1368	Drake C	UW-La Crosse A	Macalester A	Macalester B	Macalester C	Record:	6
		1117 2.357143	1022 6	1023 4.571429	1024 4.607143	CS:	20
	Point Differential:	+24 +15	+4 -11	+9 +8	+4 -3	PD:	50
	Partial Ballots:	1 1	0.642857 0.107143	0.821429 0.785714	0.642857 0.392857	Σ(PB):	5.392857
	Weighted Ballots:	2.357143 2.357143	3.857143 0.642857	3.755102 3.591837	2.961735 1.809949	Σ(WB):	21.33291
1406	Air Force B	Macalester B	South Dakota B	UW-La Crosse B	Grinnell B	Record:	3
		1023 4.571429	1123 3.035714	1800 1.357143	1083 2.25	CS:	10
	Point Differential:	-26 -4	-20 -8	+21 +10	+9 -1	PD:	-19
	Partial Ballots:	0 0.357143	0 0.214286	1 0.857143	0.821429 0.464286	Σ(PB):	3.714286
	Weighted Ballots:	0 1.632653	0 0.65051	1.357143 1.163265	1.848214 1.044643	Σ(WB):	7.696429
1590	St. John's/St. Ben's B	Macalester D	Minnesota A	UW-La Crosse A	St. Olaf	Record:	3
		1361 5.857143	1600 4.464286	1117 2.357143	1079 3.892857	CS:	17
	Point Differential:	-11 -7	+3 -25	+8 +2	-13 -5	PD:	-48
	Partial Ballots:	0.107143 0.25	0.607143 0	0.785714 0.571429	0.035714 0.321429	Σ(PB):	2.678571
	Weighted Ballots:	0.627551 1.464286	2.710459 0	1.852041 1.346939	0.139031 1.251276	Σ(WB):	9.391582

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1600 Minnesota A	Drake B		St. John's/St. Ben's B		South Dakota B		Macalester D		Record:	4
	1367	5.142857	1590	2.678571	1123	3.035714	1361	5.857143	CS:	17.5
	Point Differential: +3 -8		+25 -3		+8 +4		-4 -1		PD:	24
	Partial Ballots: 0.607143 0.214286		1 0.392857		0.785714 0.642857		0.357143 0.464286		Σ (PB):	4.464286
Weighted Ballots: 3.122449 1.102041		2.678571 1.052296		2.385204 1.951531		2.091837 2.719388		Σ (WB):	17.10332	
1601 Minnesota B	South Dakota A		UW-La Crosse B		UW-Superior A		South Dakota B		Record:	5
	1122	5.607143	1800	1.357143	1088	5	1123	3.035714	CS:	13.5
	Point Differential: -23 -6		+17 +15		+3 -3		+15 +5		PD:	23
	Partial Ballots: 0 0.285714		1 1		0.607143 0.392857		1 0.678571		Σ (PB):	4.964286
Weighted Ballots: 0 1.602041		1.357143 1.357143		3.035714 1.964286		3.035714 2.059949		Σ (WB):	14.41199	
1602 Minnesota C	Air Force A		Hamline C		Benedictine		UW-Superior B		Record:	5.5
	1290	4.535714	1110	2.535714	1171	3.035714	1089	4.607143	CS:	14.5
	Point Differential: -3 0		+29 +18		+1 -9		+10 +9		PD:	55
	Partial Ballots: 0.392857 0.5		1 1		0.535714 0.178571		0.857143 0.821429		Σ (PB):	5.285714
Weighted Ballots: 1.781888 2.267857		2.535714 2.535714		1.626276 0.542092		3.94898 3.784439		Σ (WB):	19.02296	
1700 UW-Parkside	UW-La Crosse B		Hamline A		UW-Superior B		Hamline B		Record:	2
	1800	1.357143	1108	5.285714	1089	4.607143	1109	4.5	CS:	13
	Point Differential: +9 +9		-41 -40		-20 -18		-22 -12		PD:	-135
	Partial Ballots: 0.821429 0.821429		0 0		0 0		0 0.071429		Σ (PB):	1.714286
Weighted Ballots: 1.114796 1.114796		0 0		0 0		0 0.321429		Σ (WB):	2.55102	
1800 UW-La Crosse B	UW-Parkside		Minnesota B		Air Force B		St. John's/St. Ben's A		Record:	0
	1700	1.714286	1601	4.964286	1406	3.714286	1199	2.392857	CS:	12
	Point Differential: -9 -9		-17 -15		-21 -10		-2 -2		PD:	-85
	Partial Ballots: 0.178571 0.178571		0 0		0 0.142857		0.428571 0.428571		Σ (PB):	1.357143
Weighted Ballots: 0.306122 0.306122		0 0		0 0.530612		1.02551 1.02551		Σ (WB):	3.193878	
9999 Bye Buster	St. Olaf		UW-La Crosse A		St. John's/St. Ben's A		Minnesota-Duluth		Record:	5
	1079	3.892857	1117	2.357143	1199	2.392857	1168	2.678571	CS:	11
	Point Differential: +7 +2		+17 -6		+1 +1		-1 -1		PD:	20
	Partial Ballots: 0.75 0.571429		1 0.285714		0.535714 0.535714		0.464286 0.464286		Σ (PB):	4.607143
Weighted Ballots: 2.919643 2.22449		2.357143 0.673469		1.281888 1.281888		1.243622 1.243622		Σ (WB):	13.22577	

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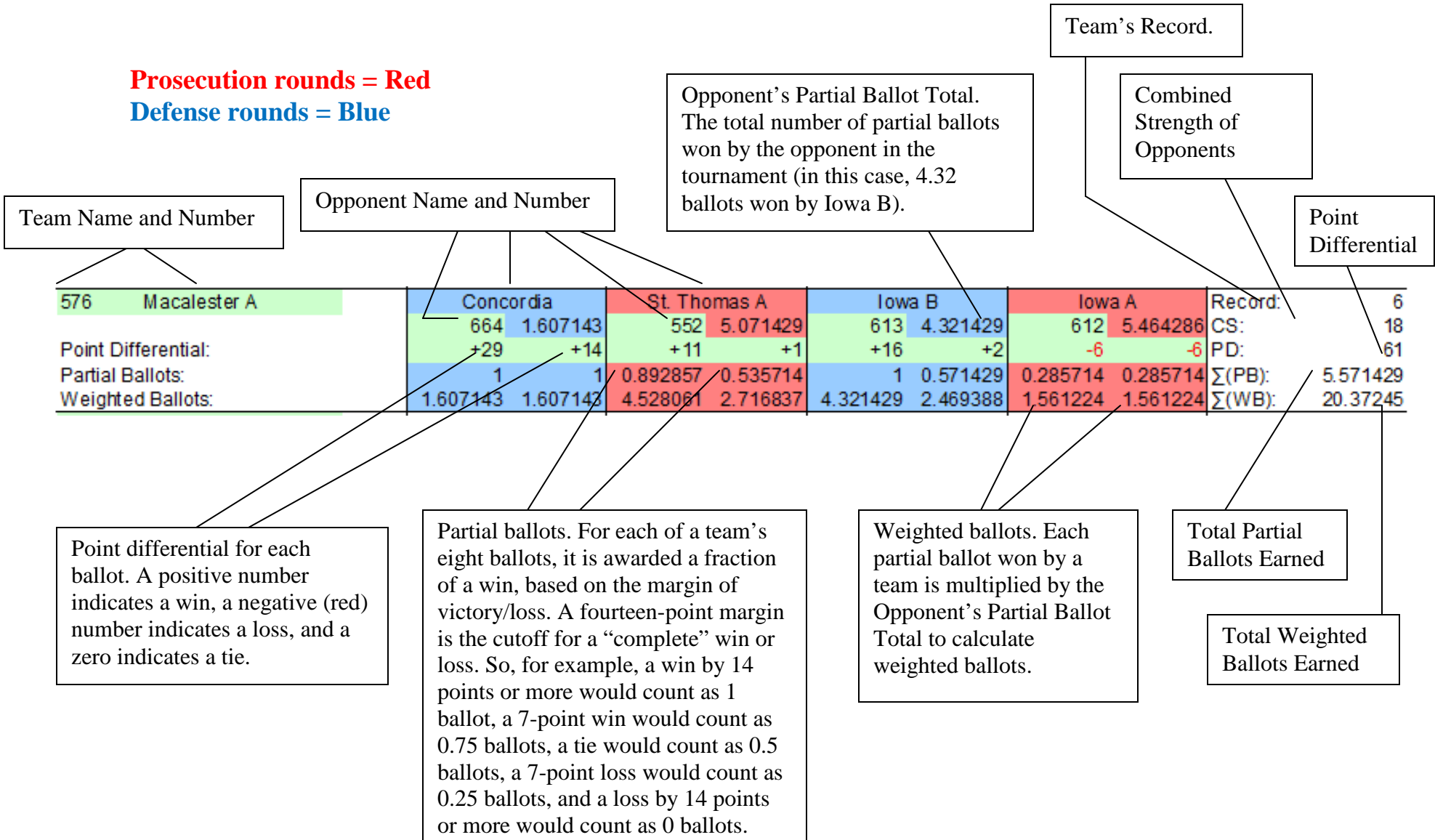
Mac Rankings				
<i>Rank</i>	<i>#</i>	<i>Team</i>	<i>Wins</i>	$\Sigma(WB)$
1	1361	Macalester D	7	19.636
2	1122	South Dakota A	6.5	28.185
3	1024	Macalester C	6	23.478
4	1022	Macalester A	6	23.264
5	1368	Drake C	6	21.333
6	1023	Macalester B	6	20.346
7	1602	Minnesota C	5.5	19.023
8	1367	Drake B	5.5	18.657
9	1290	Air Force A	5	20.992
10	1088	UW-Superior A	5	18.148
11	1108	Hamline A	5	17.246
12	1601	Minnesota B	5	14.412
13	9999	Bye Buster	5	13.226
14	1056	Carleton A	4	18.767
15	1600	Minnesota A	4	17.103
16	1366	Drake A	4	14.727
17	1109	Hamline B	4	12.531
18	1079	St. Olaf	4	11.736
19	1089	UW-Superior B	4	11.625
20	1171	Benedictine	3.5	14.588
21	1057	Carleton B	3	14.214
22	1168	Minnesota-Duluth	3	10.014
23	1590	St. John's/St. Ben's B	3	9.392
24	1082	Grinnell A	3	7.864
25	1406	Air Force B	3	7.696
26	1123	South Dakota B	2	12.386
27	1110	Hamline C	2	10.101
28	1083	Grinnell B	2	8.837
29	1117	UW-La Crosse A	2	7.906
30	1199	St. John's/St. Ben's A	2	7.376
31	1700	UW-Parkside	2	2.551
32	1800	UW-La Crosse B	0	3.194

Sabermetric Rankings					
<i>Rank</i>	<i>#</i>	<i>Team</i>	$\Sigma(WB)$	$\Sigma(PB)$	
1	1122	South Dakota A	28.185	5.607	
2	1024	Macalester C	23.478	4.607	
3	1022	Macalester A	23.264	6.000	
4	1368	Drake C	21.333	5.393	
5	1290	Air Force A	20.992	4.536	
6	1023	Macalester B	20.346	4.571	
7	1361	Macalester D	19.636	5.857	
8	1602	Minnesota C	19.023	5.286	
9	1056	Carleton A	18.767	5.071	
10	1367	Drake B	18.657	5.143	
11	1088	UW-Superior A	18.148	5.000	
12	1108	Hamline A	17.246	5.286	
13	1600	Minnesota A	17.103	4.464	
14	1366	Drake A	14.727	4.321	
15	1171	Benedictine	14.588	3.036	
16	1601	Minnesota B	14.412	4.964	
17	1057	Carleton B	14.214	3.643	
18	9999	Bye Buster	13.226	4.607	
19	1109	Hamline B	12.531	4.500	
20	1123	South Dakota B	12.386	3.036	
21	1079	St. Olaf	11.736	3.893	
22	1089	UW-Superior B	11.625	4.607	
23	1110	Hamline C	10.101	2.536	
24	1168	Minnesota-Duluth	10.014	2.679	
25	1590	St. John's/St. Ben's B	9.392	2.679	
26	1083	Grinnell B	8.837	2.250	
27	1117	UW-La Crosse A	7.906	2.357	
28	1082	Grinnell A	7.864	2.893	
29	1406	Air Force B	7.696	3.714	
30	1199	St. John's/St. Ben's A	7.376	2.393	
31	1800	UW-La Crosse B	3.194	1.357	
32	1700	UW-Parkside	2.551	1.714	

Traditional Rankings					
<i>Rank</i>	<i>#</i>	<i>Team</i>	<i>Wins</i>	<i>CS</i>	<i>PD</i>
1	1361	Macalester D	7	14	+93
2	1122	South Dakota A	6.5	21.5	+54
3	1024	Macalester C	6	20.5	+19
4	1368	Drake C	6	20	+50
5	1022	Macalester A	6	17	+72
6	1023	Macalester B	6	17	+28
7	1367	Drake B	5.5	15.5	+42
8	1602	Minnesota C	5.5	14.5	+55
9	1290	Air Force A	5	19	+15
10	1108	Hamline A	5	18.5	+101
11	1088	UW-Superior A	5	14.5	+55
12	1601	Minnesota B	5	13.5	+23
13	9999	Bye Buster	5	11	+20
14	1056	Carleton A	4	18	+35
15	1600	Minnesota A	4	17.5	+24
16	1089	UW-Superior B	4	15.5	+29
17	1109	Hamline B	4	15	+25
18	1366	Drake A	4	14.5	+9
19	1079	St. Olaf	4	14	-5
20	1171	Benedictine	3.5	19.5	-54
21	1168	Minnesota-Duluth	3	18	-53
22	1057	Carleton B	3	17.5	-18
23	1590	St. John's/St. Ben's B	3	17	-48
24	1082	Grinnell A	3	12	-43
25	1406	Air Force B	3	10	-19
26	1083	Grinnell B	2	18.5	-90
27	1110	Hamline C	2	17.5	-60
28	1117	UW-La Crosse A	2	17	-60
29	1123	South Dakota B	2	16	-25
30	1199	St. John's/St. Ben's A	2	13	-54
31	1700	UW-Parkside	2	13	-135
32	1800	UW-La Crosse B	0	12	-85

How to Read a Sabermetric Tab Summary

Prosecution rounds = Red
Defense rounds = Blue



How are Weighted Ballots Calculated?

Above, you'll find a rundown of what kind of information is included in a Sabermetric Tab Summary. Now let's talk about how the Weighted Ballots tiebreaker is calculated.

Rather than looking at things through the binary lens of wins-or-losses, the Weighted Ballots System looks at partial ballots. For every ballot a team wins *or loses*, it receives a fraction of a win. If the team wins in a blowout, they get a full ballot; if the team loses in a blowout, it gets zero ballots. If the round isn't a blowout, then both teams will get a fraction of a ballot. Generally speaking, a moderate win is worth three-quarters of a ballot, and a moderate loss is worth a quarter of a ballot. A tie is always worth half a ballot.

What constitutes a "full victory" or a "full loss" is discretionary. For this tournament, I've used +/- 14 points as the cutoff for a full victory or loss. My thinking is that if you outscore your opponent by an average of at least 1 point on every component of a trial, you deserve the full ballot.

576	Macalester A	Concordia		St. Thomas A		Iowa B		Iowa A		Record:	6
		664	1.607143	552	5.071429	613	4.321429	612	5.464286	CS:	18
	Point Differential:	+29	+14	+11	+1	+16	+2	-6	-6	PD:	61
	Partial Ballots:	1	1	0.892857	0.535714	1	0.571429	0.285714	0.285714	Σ(PB):	5.571429
	Weighted Ballots:	1.607143	1.607143	4.528061	2.716837	4.321429	2.469388	1.561224	1.561224	Σ(WB):	20.37245

So looking at Macalester A's performance at the 2010 Mac II Invitational, you can see that Macalester beat its first-round opponent by at least 14 points on each ballot, entitling it to two full ballots. In the second round it didn't meet that 14-point threshold, meaning it only earned two fractions of a ballot. And in the fourth round, Macalester A was handed two moderate losses, meaning it received about a quarter of a ballot from each judge.

After you've calculated the partial ballots won by a team, you still have to account for the strength of that team's opponents. This is done by multiplying each partial ballot earned by a team by the number of partial ballots won at the tournament by the team's opponent in that round. So, for Macalester A, the calculation would be $(1*1.607) + (1*1.607) + (0.893*5.071) + (0.536*5.071) + (1*4.321) + (0.571*4.321) + (0.286*6.071) +$

(0.286*6.071). By doing this, you get the total number of “weighted ballots” won by a team at the tournament. For Macalester A at the 2010 Mac II Invitational, that number is 20.37 weighted ballots.

On the back page of the sabermetric summary, there are two tables ranking all of the teams competing at the tournament. The tables for the 2010 Macalester II Invitational look like this:

Mac Rankings				
Rank	#	Team	Wins	$\Sigma(WB)$
1	502	Minnesota A	7	23.313
2	612	Iowa A	6.5	24.781
3	577	Macalester B	6	20.591
4	576	Macalester A	6	20.372
5	552	St. Thomas A	5.5	21.643
6	500	Minnesota B	5.5	21.014
7	613	Iowa B	5	18.533
8	493	Wisconsin-Superior A	5	12.362
9	740	Minnesota-Duluth	5	6.869
10	501	Minnesota C	4	18.367
11	578	Macalester C	4	15.046
12	877	South Dakota B	4	12.926
13	488	Drake A	4	7.879
14	876	South Dakota A	3.5	18.337
15	880	Iowa State	3.5	14.764
16	768	Hamline	3.5	10.971
17	489	Drake B	3	13.526
18	200	St. Cate's	3	5.819
19	682	St. Olaf	2	6.792
20	553	St. Thomas B	1	10.921
21	664	Concordia	1	6.372
22	492	Wisconsin-Superior B	0	0.480

Sabermetric Rankings				
Rank	#	Team	$\Sigma(WB)$	$\Sigma(PB)$
1	612	Iowa A	24.781	5.464
2	502	Minnesota A	23.313	6.214
3	552	St. Thomas A	21.643	5.071
4	500	Minnesota B	21.014	4.750
5	577	Macalester B	20.591	4.821
6	576	Macalester A	20.372	5.571
7	613	Iowa B	18.533	4.321
8	501	Minnesota C	18.367	3.821
9	876	South Dakota A	18.337	4.429
10	578	Macalester C	15.046	3.857
11	880	Iowa State	14.764	4.000
12	489	Drake B	13.526	4.143
13	877	South Dakota B	12.926	3.179
14	493	Wisconsin-Superior A	12.362	5.143
15	768	Hamline	10.971	3.393
16	553	St. Thomas B	10.921	2.143
17	488	Drake A	7.879	4.679
18	740	Minnesota-Duluth	6.869	4.571
19	682	St. Olaf	6.792	3.357
20	664	Concordia	6.372	1.607
21	200	St. Cate's	5.819	3.321
22	492	Wisconsin-Superior B	0.480	0.143

On the left, you can see the teams ranked first by record, and then for teams whose records are tied, by weighted ballots. This table reflects how the teams finished at the tournament, since the Mac II tournament uses weighted ballots earned as its tiebreaker. On the right, the teams are ranked purely by weighted ballots. A third table also shows how the teams would have finished under AMTA’s traditional tiebreaker system.