



2011 MACALESTER COLLEGE
INVITATIONAL TOURNAMENT

December 3-4, 2011
St. Paul, Minnesota

Official Tabulation Summary

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1071 St. John's/St. Benedict's	Δ v. 1299 L L -14 -3	π v. 1147 W W +17 +8	π v. 1212 W W +8 +1	Δ v. 1225 L L -16 -13	4-4
					WB: 9.08
1108 Morningside	Δ v. 1451 L L -14 -3	π v. 1322 W T +3 0	π v. 1397 L L -8 -4	Δ v. 1426 W L +9 -7	2-5-1
					WB: 13.19
1122 Macalester	π v. 1424 L L -9 -3	Δ v. 1426 W W +7 +3	π v. 1398 W W +9 +6	Δ v. 1425 W L +14 -1	5-3
					WB: 21.18
1123 Macalester	Δ v. 1296 W W +12 +11	π v. 1427 W W +7 +2	Δ v. 9999 W L +5 -2	π v. 1299 W W +9 +5	7-1
					WB: 23.04
1124 Macalester	Δ v. 1147 W W +15 +8	π v. 1451 L L -5 -2	π v. 1449 L L -7 -6	Δ v. 1212 W W +29 +8	4-4
					WB: 14.88
1147 Bemidji State	π v. 1124 L L -15 -8	Δ v. 1071 L L -17 -8	Δ v. 1304 W L +8 -2	π v. 1296 L L -15 -4	1-7
					WB: 4.29
1182 Drake	π v. 1211 W W +8 +8	Δ v. 1225 W T +6 0	Δ v. 1450 W W +16 +1	π v. 1424 L L -11 -2	5-2-1
					WB: 21.47
1183 Drake	Δ v. 1450 W L +1 -1	π v. 1398 W L +3 -1	Δ v. 1427 L T -2 0	π v. 1322 W L +4 -5	3-4-1
					WB: 16.03
1199 Hamline	π v. 1512 W W +18 +14	Δ v. 1425 L L -14 -3	Δ v. 1211 W W +2 +2	π v. 1450 L L -8 -2	4-4
					WB: 14.15

1211 Minnesota-Duluth	Δ v. 1182 L L -8 -8	π v. 1218 W W +10 +5	π v. 1199 L L -2 -2	Δ v. 1398 W L +8 -7	3-5
					WB: 14.90
1212 Minnesota-Duluth	Δ v. 1322 W W +10 +8	π v. 1299 L L -21 -20	Δ v. 1071 L L -8 -1	π v. 1124 L L -29 -8	2-6
					WB: 10.07
1218 Minnesota-Morris	π v. 1225 L L -9 -6	Δ v. 1211 L L -10 -5	π v. 1426 W L +1 -11	Δ v. 1227 W W +15 +11	3-5
					WB: 9.64
1225 South Dakota	Δ v. 1218 W W +9 +6	π v. 1182 L T -6 0	Δ v. 1303 W T +1 0	π v. 1071 W W +16 +13	5-1-2
					WB: 22.07
1226 South Dakota	Δ v. 1427 L L -15 -14	π v. 1296 W L +7 -3	Δ v. 1512 L L -6 -5	π v. 1304 W W +12 +9	3-5
					WB: 6.87
1227 South Dakota	π v. 1303 L L -27 -25	Δ v. 1512 W L +13 -5	Δ v. 1322 L L -12 -9	π v. 1218 L L -15 -11	1-7
					WB: 4.64
1296 St. Catherine	π v. 1123 L L -12 -11	Δ v. 1226 W L +3 -7	π v. 1348 L L -17 -12	Δ v. 1147 W W +15 +4	3-5
					WB: 7.57
1299 Iowa State	π v. 1071 W W +14 +3	Δ v. 1212 W W +21 +20	π v. 1425 W L +1 -4	Δ v. 1123 L L -9 -5	5-3
					WB: 18.32
1303 Wisconsin-Superior	Δ v. 1227 W W +27 +25	π v. 9999 W L +11 -8	π v. 1225 L T -1 0	Δ v. 1348 W W +23 +6	5-2-1
					WB: 19.30
1304 Wisconsin-Superior	Δ v. 1999 L L -28 -17	π v. 1397 L L -15 -8	π v. 1147 W L +2 -8	Δ v. 1226 L L -12 -9	1-7
					WB: 3.47
1322 St. Thomas	π v. 1212 L L -10 -8	Δ v. 1108 L T -3 0	π v. 1227 W W +12 +9	Δ v. 1183 W L +5 -4	3-4-1
					WB: 10.69
1348 St. Olaf	Δ v. 1398 W L +2 -16	π v. 1450 L L -4 -3	Δ v. 1296 W W +17 +12	π v. 1303 L L -23 -6	3-5
					WB: 12.17
1397 Grinnell	π v. 1425 L L -29 -25	Δ v. 1304 W W +15 +8	Δ v. 1108 W W +8 +4	π v. 1512 W W +8 +8	6-2
					WB: 10.71

1398 Grinnell	π v. 1348 W L +16 -2	Δ v. 1183 W L +1 -3	Δ v. 1122 L L -9 -6	π v. 1211 W L +7 -8	3-5
					WB: 14.74
1424 Iowa	Δ v. 1122 W W +9 +3	π v. 1449 W W +7 +6	π v. 1451 W L +4 -13	Δ v. 1182 W W +11 +2	7-1
					WB: 25.02
1425 Iowa	Δ v. 1397 W W +29 +25	π v. 1199 W W +14 +3	Δ v. 1299 W L +4 -1	π v. 1122 W L +1 -14	6-2
					WB: 24.46
1426 Iowa	Δ v. 1449 L L -6 -5	π v. 1122 L L -7 -3	Δ v. 1218 W L +11 -1	π v. 1108 W L +7 -9	2-6
					WB: 13.72
1427 Iowa	π v. 1226 W W +15 +14	Δ v. 1123 L L -7 -2	π v. 1183 W T +2 0	Δ v. 1449 L L -7 -5	3-4-1
					WB: 17.91
1449 Minnesota	π v. 1426 W W +6 +5	Δ v. 1424 L L -7 -6	Δ v. 1124 W W +7 +6	π v. 1427 W W +7 +5	6-2
					WB: 20.91
1450 Minnesota	π v. 1183 W L +1 -1	Δ v. 1348 W W +4 +3	π v. 1182 L L -16 -1	Δ v. 1199 W W +8 +2	5-3
					WB: 16.31
1451 Minnesota	π v. 1108 W W +14 +3	Δ v. 1124 W W +5 +2	Δ v. 1424 W L +13 -4	π v. 9999 W W +6 +6	7-1
					WB: 24.00
1512 Carroll University	Δ v. 1199 L L -18 -14	π v. 1227 W L +5 -13	π v. 1226 W W +6 +5	Δ v. 1397 L L -8 -8	3-5
					WB: 8.10
9999 Bye	π v. 1304 W W +28 +17	Δ v 1303 W L +8 -11	π v. 1123 W L +2 -5	Δ v. 1451 L L -6 -6	4-4
					WB: 16.00

TIE-BREAKER

The Macalester Invitational uses the Weighted Ballots System to break ties between teams with the same record. 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) 1424 Iowa, 7-1 (WB 25.02)
- 2nd) 1451 Minnesota, 7-1 (WB 24.00)
- 3rd) 1123 Macalester, 7-1 (WB 23.04)
- 4th) 1425 Iowa, 6-2 (WB 24.46)
- 5th) 1225 South Dakota, 5-1-2 (WB 22.07)
- 6th) 1449 Minnesota, 6-2 (WB 20.91)
- 7th) 1397 Grinnell, 6-2 (WB 10.71)
- T-8th) 1182 Drake, 5-2-1 (WB 21.47)
- T-8th) ****1303 Wisconsin-Superior, 5-2-1 (WB 19.30)
- 9th) 1122 Macalester, 5-3 (WB 21.18)
- 10th) 1299 Iowa State, 5-3 (WB 18.32)

**** Due to a tabulation error, Wisconsin-Superior was not announced during the awards ceremony. The error did not affect the placement of any other team.

OUTSTANDING ATTORNEYS

20	Δ	Steve Larson	1124	Macalester
20/18	π /Δ	Hannah Shell	1183	Drake
19	π	Samantha Garretto	1451	Minnesota
19	π	Emily Wade	1123	Macalester
19	π	Amber Simon	1225	South Dakota
19	Δ	Mary Jane Giesey	1397	Grinnell
18	Δ	Malcolm Kane	1123	Macalester
18	π	Evan Howard	1071	St. John's/St. Benedict's
18	π	Greg Davis	1512	Carroll University
18	Δ	Kate Walling	1299	Iowa State
18	π	Michael Morecki	1398	Grinnell
18	Δ	Nicholas Sideras	1322	St. Thomas

OUTSTANDING WITNESSES

20	Δ	Mike Tabor	1427	Iowa
20	Δ	Nathan Scheiner	1124	Macalester
20	Δ	Jeff Anderson	1303	Wisconsin-Superior
19	Δ	Trevor Gersch	1322	St. Thomas
18	Δ	Kyle McDonald	1425	Iowa
18	π	Jessi Addison	1398	Grinnell
17	π	Britney Matthews	1427	Iowa
17	Δ	Max Wong	1122	Macalester
17	π	Malcolm Kane	1123	Macalester

16	π	Katelyn Steffel	1227	South Dakota
16	π	Elizabeth Aviles	1512	Carroll University
16	Δ	Mark Lee	1348	St. Olaf
16	π	Elliott Averett	1122	Macalester
16	π	Zack Valentine	1299	Iowa State

2011 Mac II Invitational

Sabermetric Tab Summary

2011 Mac II Invitational

December 3-4, 2011

Complete Win: 14

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):
1071	St. John's/St. Ben's	Iowa State 1299	5 -3	Bemidji State 1147	2 +8	Minnesota-Duluth B 1212	2.535714 +1	South Dakota A 1225	5.321429 -13	Record: 4 CS: 14 PD: -12 Σ (PB): 3.535714 Σ (WB): 9.076531
1108	Morningside	Minnesota C 1451	5.607143 -3	St. Thomas 1322	4.035714 0	Grinnell A 1397	4.785714 -4	Iowa C 1426	3.535714 -7	Record: 2.5 CS: 18.5 PD: -24 Σ (PB): 3.142857 Σ (WB): 13.19388
1122	Macalester A	Iowa A 1424	5.035714 -3	Iowa C 1426	3.535714 +3	Grinnell B 1398	3.785714 +6	Iowa B 1425	5.25 -1	Record: 5 CS: 18 PD: 26 Σ (PB): 4.928571 Σ (WB): 21.1773
1123	Macalester B	St. Catherine 1296	2.75 +11	Iowa D 1427	4.321429 +2	Bye 9999	4.357143 -2	Iowa State 1299	5 +5	Record: 7 CS: 15.5 PD: 49 Σ (PB): 5.75 Σ (WB): 23.04337
1124	Macalester C	Bemidji State 1147	2 +8	Minnesota C 1451	5.607143 -2	Minnesota A 1449	4.821429 -6	Minnesota-Duluth B 1212	2.535714 +8	Record: 4 CS: 16 PD: 40 Σ (PB): 4.857143 Σ (WB): 14.88776

2011 Mac II Invitational

1147 Bemidji State	Macalester C	St. John's/St. Ben's	Wisconsin-Superior B	St. Catherine	Record: 1
	1124 4.857143	1071 3.535714	1304 1.25	1296 2.75	CS: 12
Point Differential:	-15 -8	-17 -8	+8 -2	-15 -4	PD: -61
Partial Ballots:	0 0.214286	0 0.214286	0.785714 0.428571	0 0.357143	Σ(PB): 2
Weighted Ballots:	0 1.040816	0 0.757653	0.982143 0.535714	0 0.982143	Σ(WB): 4.298469
1182 Drake A	Minnesota-Duluth A	South Dakota A	Minnesota B	Iowa A	Record: 5.5
	1211 3.857143	1225 5.321429	1450 4.071429	1424 5.035714	CS: 21
Point Differential:	+8 +8	0 +6	+16 +1	-11 -2	PD: 26
Partial Ballots:	0.785714 0.785714	0.5 0.714286	1 0.535714	0.107143 0.428571	Σ(PB): 4.857143
Weighted Ballots:	3.030612 3.030612	2.660714 3.80102	4.071429 2.181122	0.539541 2.158163	Σ(WB): 21.47321
1183 Drake B	Minnesota B	Grinnell B	Iowa D	St. Thomas	Record: 3.5
	1450 4.071429	1398 3.785714	1427 4.321429	1322 4.035714	CS: 15
Point Differential:	+1 -1	+3 -1	-2 0	+4 -5	PD: -1
Partial Ballots:	0.535714 0.464286	0.607143 0.464286	0.428571 0.5	0.642857 0.321429	Σ(PB): 3.964286
Weighted Ballots:	2.181122 1.890306	2.298469 1.757653	1.852041 2.160714	2.594388 1.297194	Σ(WB): 16.03189
1199 Hamline	Carroll University	Iowa B	Minnesota-Duluth A	Minnesota B	Record: 4
	1512 2.535714	1425 5.25	1211 3.857143	1450 4.071429	CS: 17
Point Differential:	+18 +14	-14 -3	+2 +2	-8 -2	PD: 9
Partial Ballots:	1 1	0 0.392857	0.571429 0.571429	0.214286 0.428571	Σ(PB): 4.178571
Weighted Ballots:	2.535714 2.535714	0 2.0625	2.204082 2.204082	0.872449 1.744898	Σ(WB): 14.15944
1211 Minnesota-Duluth A	Drake A	Minnesota-Morris A	Hamline	Grinnell B	Record: 3
	1182 4.857143	1218 3.464286	1199 4.178571	1398 3.785714	CS: 15.5
Point Differential:	-8 -8	+10 +5	-2 -2	+8 -7	PD: -4
Partial Ballots:	0.214286 0.214286	0.857143 0.678571	0.428571 0.428571	0.785714 0.25	Σ(PB): 3.857143
Weighted Ballots:	1.040816 1.040816	2.969388 2.350765	1.790816 1.790816	2.97449 0.946429	Σ(WB): 14.90434
1212 Minnesota-Duluth B	St. Thomas	Iowa State	St. John's/St. Ben's	Macalester C	Record: 2
	1322 4.035714	1299 5	1071 3.535714	1124 4.857143	CS: 16.5
Point Differential:	+10 +8	-21 -20	-8 -1	-29 -8	PD: -69
Partial Ballots:	0.857143 0.785714	0 0	0.214286 0.464286	0 0.214286	Σ(PB): 2.535714
Weighted Ballots:	3.459184 3.170918	0 0	0.757653 1.641582	0 1.040816	Σ(WB): 10.07015
1218 Minnesota-Morris A	South Dakota A	Minnesota-Duluth A	Iowa C	South Dakota C	Record: 3
	1225 5.321429	1211 3.857143	1426 3.535714	1227 1.642857	CS: 12
Point Differential:	-9 -6	-10 -5	+1 -11	+15 +11	PD: -14
Partial Ballots:	0.178571 0.285714	0.142857 0.321429	0.535714 0.107143	1 0.892857	Σ(PB): 3.464286
Weighted Ballots:	0.950255 1.520408	0.55102 1.239796	1.894133 0.378827	1.642857 1.466837	Σ(WB): 9.644133

2011 Mac II Invitational

1225	South Dakota A	Minnesota-Morris A	Drake A	Wisconsin-Superior A	St. John's/St. Ben's	Record:	6
		1218 3.464286	1182 4.857143	1303 5.785714	1071 3.535714	CS:	18
Point Differential:		+9 +6	0 -6	+1 0	+16 +13	PD:	39
Partial Ballots:		0.821429 0.714286	0.5 0.285714	0.535714 0.5	1 0.964286	Σ(PB):	5.321429
Weighted Ballots:		2.845663 2.47449	2.428571 1.387755	3.09949 2.892857	3.535714 3.409439	Σ(WB):	22.07398
1226	South Dakota B	Iowa D	St. Catherine	Carroll University	Wisconsin-Superior B	Record:	3
		1427 4.321429	1296 2.75	1512 2.535714	1304 1.25	CS:	10.5
Point Differential:		-15 -14	+7 -3	-6 -5	+12 +9	PD:	-15
Partial Ballots:		0 0	0.75 0.392857	0.285714 0.321429	0.928571 0.821429	Σ(PB):	3.5
Weighted Ballots:		0 0	2.0625 1.080357	0.72449 0.815051	1.160714 1.026786	Σ(WB):	6.869898
1227	South Dakota C	Wisconsin-Superior A	Carroll University	St. Thomas	Minnesota-Morris A	Record:	1
		1303 5.785714	1512 2.535714	1322 4.035714	1218 3.464286	CS:	15
Point Differential:		-25 -27	+13 -5	-12 -9	-15 -11	PD:	-91
Partial Ballots:		0 0	0.964286 0.321429	0.071429 0.178571	0 0.107143	Σ(PB):	1.642857
Weighted Ballots:		0 0	2.445153 0.815051	0.288265 0.720663	0 0.371173	Σ(WB):	4.640306
1296	St. Catherine	Macalester B	South Dakota B	St. Olaf	Bemidji State	Record:	3
		1123 5.75	1226 3.5	1348 3.535714	1147 2	CS:	14
Point Differential:		-12 -11	-7 +3	-17 -12	+15 +4	PD:	-37
Partial Ballots:		0.071429 0.107143	0.25 0.607143	0 0.071429	1 0.642857	Σ(PB):	2.75
Weighted Ballots:		0.410714 0.616071	0.875 2.125	0 0.252551	2 1.285714	Σ(WB):	7.565051
1299	Iowa State	St. John's/St. Ben's	Minnesota-Duluth B	Iowa B	Macalester B	Record:	5
		1071 3.535714	1212 2.535714	1425 5.25	1123 5.75	CS:	19
Point Differential:		+14 +3	+20 +21	+1 -4	-9 -5	PD:	41
Partial Ballots:		1 0.607143	1 1	0.535714 0.357143	0.178571 0.321429	Σ(PB):	5
Weighted Ballots:		3.535714 2.146684	2.535714 2.535714	2.8125 1.875	1.026786 1.848214	Σ(WB):	18.31633
1303	Wisconsin-Superior A	South Dakota C	Bye	South Dakota A	St. Olaf	Record:	5.5
		1227 1.642857	9999 4.357143	1225 5.321429	1348 3.535714	CS:	14
Point Differential:		+25 +27	+11 -8	-1 0	+23 +6	PD:	83
Partial Ballots:		1 1	0.892857 0.214286	0.464286 0.5	1 0.714286	Σ(PB):	5.785714
Weighted Ballots:		1.642857 1.642857	3.890306 0.933673	2.470663 2.660714	3.535714 2.52551	Σ(WB):	19.3023
1304	Wisconsin-Superior B	Bye	Grinnell A	Bemidji State	South Dakota B	Record:	1
		9999 4.357143	1397 4.785714	1147 2	1226 3.5	CS:	14
Point Differential:		-28 -17	-15 -8	+2 -8	-12 -9	PD:	-95
Partial Ballots:		0 0	0 0.214286	0.571429 0.214286	0.071429 0.178571	Σ(PB):	1.25
Weighted Ballots:		0 0	0 1.02551	1.142857 0.428571	0.25 0.625	Σ(WB):	3.471939

2011 Mac II Invitational

1322	St. Thomas	Minnesota-Duluth B	Morningside	South Dakota C	Drake B	Record:	3.5
		1212 2.535714	1108 3.142857	1227 1.642857	1183 3.964286	CS:	9
	Point Differential:	-10 -8	-3 0	+12 +9	+5 -4	PD:	1
	Partial Ballots:	0.142857 0.214286	0.392857 0.5	0.928571 0.821429	0.678571 0.357143	Σ(PB):	4.035714
	Weighted Ballots:	0.362245 0.543367	1.234694 1.571429	1.52551 1.34949	2.690051 1.415816	Σ(WB):	10.6926
1348	St. Olaf	Grinnell B	Minnesota B	St. Catherine	Wisconsin-Superior A	Record:	3
		1398 3.785714	1450 4.071429	1296 2.75	1303 5.785714	CS:	16.5
	Point Differential:	+2 -16	-4 -3	+17 +12	-23 -6	PD:	-21
	Partial Ballots:	0.571429 0	0.357143 0.392857	1 0.928571	0 0.285714	Σ(PB):	3.535714
	Weighted Ballots:	2.163265 0	1.454082 1.59949	2.75 2.553571	0 1.653061	Σ(WB):	12.17347
1397	Grinnell A	Iowa B	Wisconsin-Superior B	Morningside	Carroll University	Record:	6
		1425 5.25	1304 1.25	1108 3.142857	1512 2.535714	CS:	12.5
	Point Differential:	-29 -25	+15 +8	+8 +4	+8 +8	PD:	-3
	Partial Ballots:	0 0	1 0.785714	0.785714 0.642857	0.785714 0.785714	Σ(PB):	4.785714
	Weighted Ballots:	0 0	1.25 0.982143	2.469388 2.020408	1.992347 1.992347	Σ(WB):	10.70663
1398	Grinnell B	St. Olaf	Drake B	Macalester A	Minnesota-Duluth A	Record:	3
		1348 3.535714	1183 3.964286	1122 4.928571	1211 3.857143	CS:	14.5
	Point Differential:	+16 -2	+1 -3	-9 -6	+7 -8	PD:	-4
	Partial Ballots:	1 0.428571	0.535714 0.392857	0.178571 0.285714	0.75 0.214286	Σ(PB):	3.785714
	Weighted Ballots:	3.535714 1.515306	2.123724 1.557398	0.880102 1.408163	2.892857 0.826531	Σ(WB):	14.7398
1424	Iowa A	Macalester A	Minnesota A	Minnesota C	Drake A	Record:	7
		1122 4.928571	1449 4.821429	1451 5.607143	1182 4.857143	CS:	23.5
	Point Differential:	+9 +3	+6 +7	+4 -13	+11 +2	PD:	29
	Partial Ballots:	0.821429 0.607143	0.714286 0.75	0.642857 0.035714	0.892857 0.571429	Σ(PB):	5.035714
	Weighted Ballots:	4.048469 2.992347	3.443878 3.616071	3.604592 0.200255	4.336735 2.77551	Σ(WB):	25.01786
1425	Iowa B	Grinnell A	Hamline	Iowa State	Macalester A	Record:	6
		1397 4.785714	1199 4.178571	1299 5	1122 4.928571	CS:	20
	Point Differential:	+29 +25	+14 +3	+4 -1	+1 -14	PD:	61
	Partial Ballots:	1 1	1 0.607143	0.642857 0.464286	0.535714 0	Σ(PB):	5.25
	Weighted Ballots:	4.785714 4.785714	4.178571 2.53699	3.214286 2.321429	2.640306 0	Σ(WB):	24.46301
1426	Iowa C	Minnesota A	Macalester A	Minnesota-Morris A	Morningside	Record:	2
		1449 4.821429	1122 4.928571	1218 3.464286	1108 3.142857	CS:	16.5
	Point Differential:	-6 -5	-7 -3	+11 -1	+7 -9	PD:	-13
	Partial Ballots:	0.285714 0.321429	0.25 0.392857	0.892857 0.464286	0.75 0.178571	Σ(PB):	3.535714
	Weighted Ballots:	1.377551 1.549745	1.232143 1.936224	3.093112 1.608418	2.357143 0.561224	Σ(WB):	13.71556

2011 Mac II Invitational

1427 Iowa D	South Dakota B	Macalester B	Drake B	Minnesota A	Record: 3.5
	1226 3.5	1123 5.75	1183 3.964286	1449 4.821429	CS: 19.5
Point Differential:	+15 +14	-7 -2	+2 0	-7 -5	PD: 10
Partial Ballots:	1 1	0.25 0.428571	0.571429 0.5	0.25 0.321429	Σ (PB): 4.321429
Weighted Ballots:	3.5 3.5	1.4375 2.464286	2.265306 1.982143	1.205357 1.549745	Σ (WB): 17.90434
1449 Minnesota A	Iowa C	Iowa A	Macalester C	Iowa D	Record: 6
	1426 3.535714	1424 5.035714	1124 4.857143	1427 4.321429	CS: 16.5
Point Differential:	+6 +5	-6 -7	+7 +6	+7 +5	PD: 23
Partial Ballots:	0.714286 0.678571	0.285714 0.25	0.75 0.714286	0.75 0.678571	Σ (PB): 4.821429
Weighted Ballots:	2.52551 2.399235	1.438776 1.258929	3.642857 3.469388	3.241071 2.932398	Σ (WB): 20.90816
1450 Minnesota B	Drake B	St. Olaf	Drake A	Hamline	Record: 5
	1183 3.964286	1348 3.535714	1182 4.857143	1199 4.178571	CS: 16
Point Differential:	+1 -1	+4 +3	-16 -1	+8 +2	PD: 0
Partial Ballots:	0.535714 0.464286	0.642857 0.607143	0 0.464286	0.785714 0.571429	Σ (PB): 4.071429
Weighted Ballots:	2.123724 1.840561	2.272959 2.146684	0 2.255102	3.283163 2.387755	Σ (WB): 16.30995
1451 Minnesota C	Morningside	Macalester C	Iowa A	Bye	Record: 7
	1108 3.142857	1124 4.857143	1424 5.035714	9999 4.357143	CS: 17.5
Point Differential:	+14 +3	+5 +2	+13 -4	+6 +6	PD: 45
Partial Ballots:	1 0.607143	0.678571 0.571429	0.964286 0.357143	0.714286 0.714286	Σ (PB): 5.607143
Weighted Ballots:	3.142857 1.908163	3.295918 2.77551	4.855867 1.798469	3.112245 3.112245	Σ (WB): 24.00128
1512 Carroll University	Hamline	South Dakota C	South Dakota B	Grinnell A	Record: 3
	1199 4.178571	1227 1.642857	1226 3.5	1397 4.785714	CS: 14
Point Differential:	-18 -14	+5 -13	+6 +5	-8 -8	PD: -45
Partial Ballots:	0 0	0.678571 0.035714	0.714286 0.678571	0.214286 0.214286	Σ (PB): 2.535714
Weighted Ballots:	0 0	1.114796 0.058673	2.5 2.375	1.02551 1.02551	Σ (WB): 8.09949
9999 Bye	Wisconsin-Superior B	Wisconsin-Superior A	Macalester B	Minnesota C	Record: 4
	1304 1.25	1303 5.785714	1123 5.75	1451 5.607143	CS: 20.5
Point Differential:	+28 +17	+8 -11	+2 -5	-6 -6	PD: 27
Partial Ballots:	1 1	0.785714 0.107143	0.571429 0.321429	0.285714 0.285714	Σ (PB): 4.357143
Weighted Ballots:	1.25 1.25	4.545918 0.619898	3.285714 1.848214	1.602041 1.602041	Σ (WB): 16.00383

Totals			
#	Team	$\Sigma(PB)$	$\Sigma(WB)$
1071	St. John's/St. Ben's	3.535714	9.076531
1108	Morningside	3.142857	13.19388
1122	Macalester A	4.928571	21.1773
1123	Macalester B	5.75	23.04337
1124	Macalester C	4.857143	14.88776
1147	Bemidji State	2	4.298469
1182	Drake A	4.857143	21.47321
1183	Drake B	3.964286	16.03189
1199	Hamline	4.178571	14.15944
1211	Minnesota-Duluth A	3.857143	14.90434
1212	Minnesota-Duluth B	2.535714	10.07015
1218	Minnesota-Morris A	3.464286	9.644133
1225	South Dakota A	5.321429	22.07398
1226	South Dakota B	3.5	6.869898
1227	South Dakota C	1.642857	4.640306
1296	St. Catherine	2.75	7.565051
1299	Iowa State	5	18.31633
1303	Wisconsin-Superior A	5.785714	19.3023
1304	Wisconsin-Superior B	1.25	3.471939
1322	St. Thomas	4.035714	10.6926
1348	St. Olaf	3.535714	12.17347
1397	Grinnell A	4.785714	10.70663
1398	Grinnell B	3.785714	14.7398
1424	Iowa A	5.035714	25.01786
1425	Iowa B	5.25	24.46301
1426	Iowa C	3.535714	13.71556
1427	Iowa D	4.321429	17.90434
1449	Minnesota A	4.821429	20.90816
1450	Minnesota B	4.071429	16.30995
1451	Minnesota C	5.607143	24.00128
1512	Carroll University	2.535714	8.09949
9999	Bye	4.357143	16.00383

Rankings			
		<u>Weighted Ballots</u>	<u>Partial Ballots</u>
1	Iowa A	25.01786	Wisconsin-Superior A 5.785714
2	Iowa B	24.46301	Macalester B 5.75
3	Minnesota C	24.00128	Minnesota C 5.607143
4	Macalester B	23.04337	South Dakota A 5.321429
5	South Dakota A	22.07398	Iowa B 5.25
6	Drake A	21.47321	Iowa A 5.035714
7	Macalester A	21.17730	Iowa State 5
8	Minnesota A	20.90816	Macalester A 4.928571
9	Wisconsin-Superior A	19.30230	Macalester C 4.857143
10	Iowa State	18.31633	Drake A 4.857143
11	Iowa D	17.90434	Minnesota A 4.821429
12	Minnesota B	16.30995	Grinnell A 4.785714
13	Drake B	16.03189	Bye 4.357143
14	Bye	16.00383	Iowa D 4.321429
15	Minnesota-Duluth A	14.90434	Hamline 4.178571
16	Macalester C	14.88776	Minnesota B 4.071429
17	Grinnell B	14.73980	St. Thomas 4.035714
18	Hamline	14.15944	Drake B 3.964286
19	Iowa C	13.71556	Minnesota-Duluth A 3.857143
20	Morningside	13.19388	Grinnell B 3.785714
21	St. Olaf	12.17347	St. Olaf 3.535714
22	Grinnell A	10.70663	Iowa C 3.535714
23	St. Thomas	10.69260	St. John's/St. Ben's 3.535714
24	Minnesota-Duluth B	10.07015	South Dakota B 3.5
25	Minnesota-Morris A	9.64413	Minnesota-Morris A 3.464286
26	St. John's/St. Ben's	9.07653	Morningside 3.142857
27	Carroll University	8.09949	St. Catherine 2.75
28	St. Catherine	7.56505	Carroll University 2.535714
29	South Dakota B	6.86990	Minnesota-Duluth B 2.535714
30	South Dakota C	4.64031	Bemidji State 2
31	Bemidji State	4.29847	South Dakota C 1.642857
32	Wisconsin-Superior B	3.47194	Wisconsin-Superior B 1.25

How to Read a Sabermetric Tab Summary

Team Name and Number	Opponent Name and Number		Opponent's Partial Ballot Total. The total number of partial ballots won by the opponent in the tournament (in this case, 4.32 ballots won by Iowa B).		Team's Record.		Combined Strength of Opponents		Point Differential
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	PD:				61
Partial Ballots:	1	1	0.892857	0.535714	$\Sigma(PB)$:				5.571429
Weighted Ballots:	1.607143	1.607143	4.528061	2.716837	$\Sigma(WB)$:				20.37245
			4.321429	2.469388					
				1.561224					

Point differential for each ballot. A positive number indicates a win, a negative (red) number indicates a loss, and a zero indicates a tie.

Partial ballots. For each of a team's eight ballots, it is awarded a fraction of a win, based on the margin of victory/loss. A fourteen-point margin is the cutoff for a "complete" win or loss. So, for example, a win by 14 points or more would count as 1 ballot, a 7-point win would count as 0.75 ballots, a tie would count as 0.5 ballots, a 7-point loss would count as 0.25 ballots, and a loss by 14 points or more would count as 0 ballots.

Weighted ballots. Each partial ballot won by a team is multiplied by the Opponent's Partial Ballot Total to calculate weighted ballots.

Total Partial Ballots Earned

Total Weighted Ballots Earned

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 last year's 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 last years Mac II Invitational, that number is 20.37 weighted ballots.

On the back page of the sabermetric summary, there is a table ranking all of the teams competing at the tournament by their total weighted ballots and/or partial ballots won. The table for last year’s Macalester II Invitational looks like this:

Totals				Rankings				
#	Team	$\Sigma(PB)$	$\Sigma(WB)$	<u>Weighted Ballots</u>		<u>Partial Ballots</u>		
200	St. Cate's	3.321429	5.818878	1	Iowa A	24.78061	Minnesota A	6.214286
488	Drake A	4.678571	7.878827	2	Minnesota A	23.31250	Macalester A	5.571429
489	Drake B	4.142857	13.52551	3	St. Thomas A	21.64286	Iowa A	5.464286
492	Wisconsin-Superior B	0.142857	0.479592	4	Minnesota B	21.01403	Wisconsin-Superior A	5.142857
493	Wisconsin-Superior A	5.142857	12.36224	5	Macalester B	20.59056	St. Thomas A	5.071429
500	Minnesota B	4.75	21.01403	6	Macalester A	20.37245	Macalester B	4.821429
501	Minnesota C	3.821429	18.36735	7	Iowa B	18.53316	Minnesota B	4.75
502	Minnesota A	6.214286	23.3125	8	Minnesota C	18.36735	Drake A	4.678571
552	St. Thomas A	5.071429	21.64286	9	South Dakota A	18.33673	Minnesota-Duluth	4.571429
553	St. Thomas B	2.142857	10.92092	10	Macalester C	15.04592	South Dakota A	4.428571
576	Macalester A	5.571429	20.37245	11	Iowa State	14.76403	Iowa B	4.321429
577	Macalester B	4.821429	20.59056	12	Drake B	13.52551	Drake B	4.142857
578	Macalester C	3.857143	15.04592	13	South Dakota B	12.92602	Iowa State	4
612	Iowa A	5.464286	24.78061	14	Wisconsin-Superior A	12.36224	Macalester C	3.857143
613	Iowa B	4.321429	18.53316	15	Hamline	10.97066	Minnesota C	3.821429
664	Concordia	1.607143	6.372449	16	St. Thomas B	10.92092	Hamline	3.392857
682	St. Olaf	3.357143	6.792092	17	Drake A	7.87883	St. Olaf	3.357143
740	Minnesota-Duluth	4.571429	6.868622	18	Minnesota-Duluth	6.86862	St. Cate's	3.321429
768	Hamline	3.392857	10.97066	19	St. Olaf	6.79209	South Dakota B	3.178571
876	South Dakota A	4.428571	18.33673	20	Concordia	6.37245	St. Thomas B	2.142857
877	South Dakota B	3.178571	12.92602	21	St. Cate's	5.81888	Concordia	1.607143
880	Iowa State	4	14.76403	22	Wisconsin-Superior B	0.47959	Wisconsin-Superior B	0.142857

On the left, you can see the raw numbers for each team at the tournament. On the right, the teams have been sorted by the number of weighted ballots earned and number of partial ballots earned. When two teams finish with the same record, the number of weighted ballots earned is used to break the tie.