

PRELIMINARY DATA

- Second Ring Topside Rating workshop was held in San Antonio January 4&5, 2006
- Two additive suppliers and Cat supplied rings for the workshop (6 engine sets).
- Reviewed the rating definitions and area to be evaluated
- Wednesday – After rating each set of rings the data was reviewed by the group
- Thursday – Ring sets B, C, D, E and G (blind) were rated with no breaks for data analysis

PRELIMINARY DATA

- Raters will issue a list of recommendations that will be forwarded to the C13 Surveillance Panel
- Statisticians have not had time to evaluate the data generated at the workshop.
- TMC will perform analysis and Precision (Y_i) calculations for each rater/parameter
- C13 Surveillance Panel will schedule a conference call when all the statistical analysis have been completed

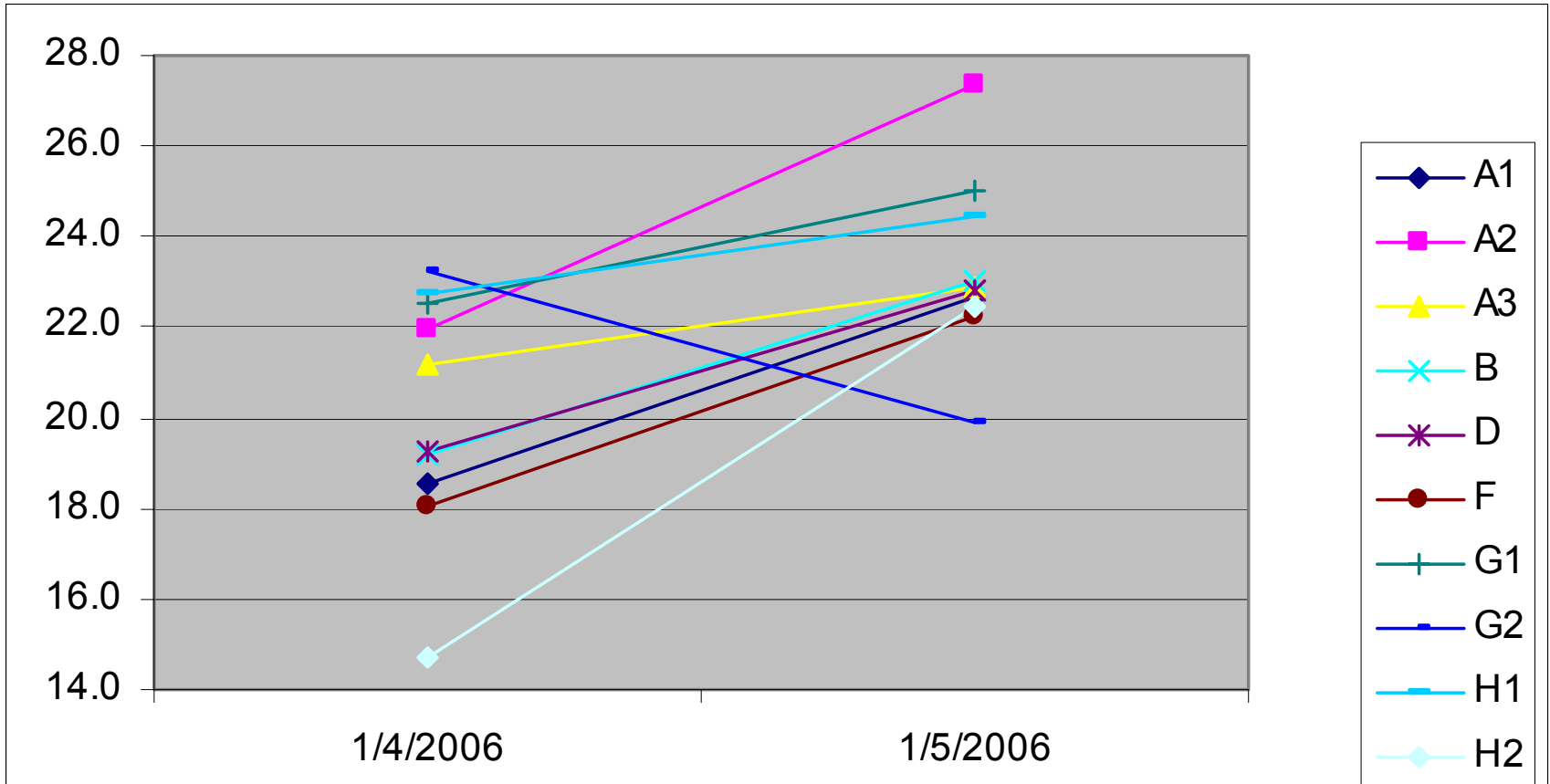
All Raters - Average 2RTC Rating

Lab	Prelim 1	G Jan 4	A	B	C	D	E	G Jan 5
A1	18.4	18.5	31.9	12.9	17.7	25.4	36.9	22.6
A2	27.3	22.0	29.0	13.1	22.8	31.2	40.9	27.3
A3	30.9	21.2	33.7	16.7	16.3	27.3	32.5	22.9
B	27.4	19.2	28.9	12.1	15.3	23.2	33.4	23.0
D	17.0	19.3	25.5	13.7	18.0	20.3	30.2	22.8
F	28.8	18.1	32.4	11.2	18.0	23.1	29.6	22.2
G1	24.1	22.5	32.7	15.0	18.0	23.6	33.9	25.0
G2	25.1	23.2	27.7	11.0	15.3	21.8	29.0	19.9
H1	15.3	22.7	31.0	10.2	30.0	32.3	34.2	24.4
H2	16.9	14.7	29.4	11.5	23.1	31.0	36.4	22.5
Maximum	30.92	23.21	33.71	16.67	29.96	32.33	40.94	27.33
Minimum	15.34	14.73	25.48	10.22	15.25	20.31	28.96	19.88
Range	15.57	8.48	8.23	6.45	14.71	12.02	11.98	7.46
Average	23.11	20.15	30.22	12.72	19.46	25.92	33.71	23.28
STDev.	5.70	2.67	2.57	1.98	4.57	4.30	3.70	1.97

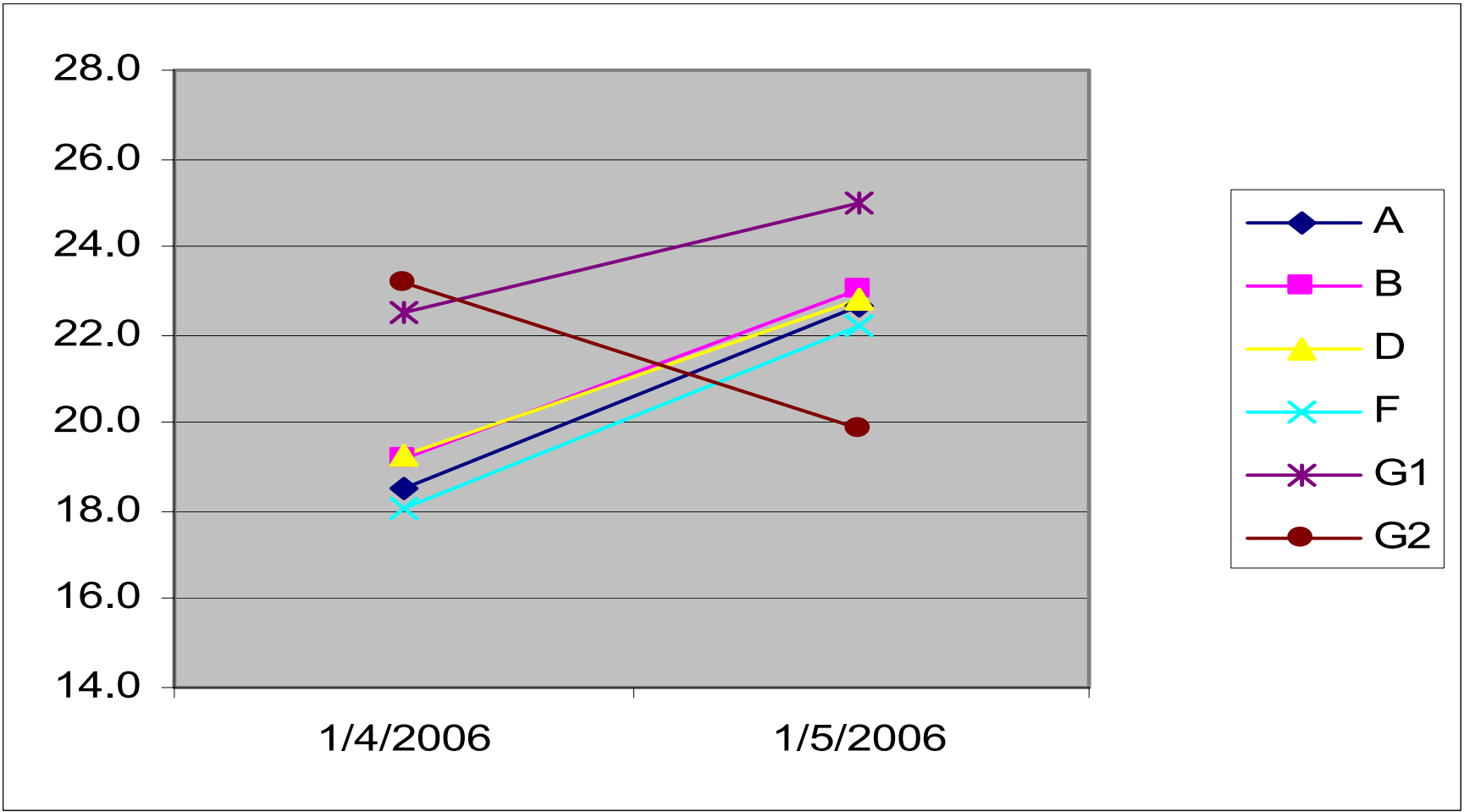
Matrix Raters - Average 2RTC Rating

Lab	Prelim	G Jan 4	A	B	C	D	E	G Jan 5
A1	18.4	18.5	31.9	12.9	17.7	25.4	36.9	22.6
B	27.4	19.2	28.9	12.1	15.3	23.2	33.4	23.0
D	17.0	19.3	25.5	13.7	18.0	20.3	30.2	22.8
F	28.8	18.1	32.4	11.2	18.0	23.1	29.6	22.2
G1	24.1	22.5	32.7	15.0	18.0	23.6	33.9	25.0
G2	25.1	23.2	27.7	11.0	15.3	21.8	29.0	19.9
Maximum	28.75	23.21	32.73	14.96	18.04	25.38	36.94	25.02
Minimum	17.00	18.08	25.48	10.96	15.25	20.31	28.96	19.88
Range	11.75	5.13	7.25	4.00	2.79	5.06	7.98	5.15
Average	23.46	20.15	29.85	12.63	17.06	22.89	32.17	22.60
STDev.	4.78	2.17	2.96	1.54	1.38	1.70	3.09	1.65

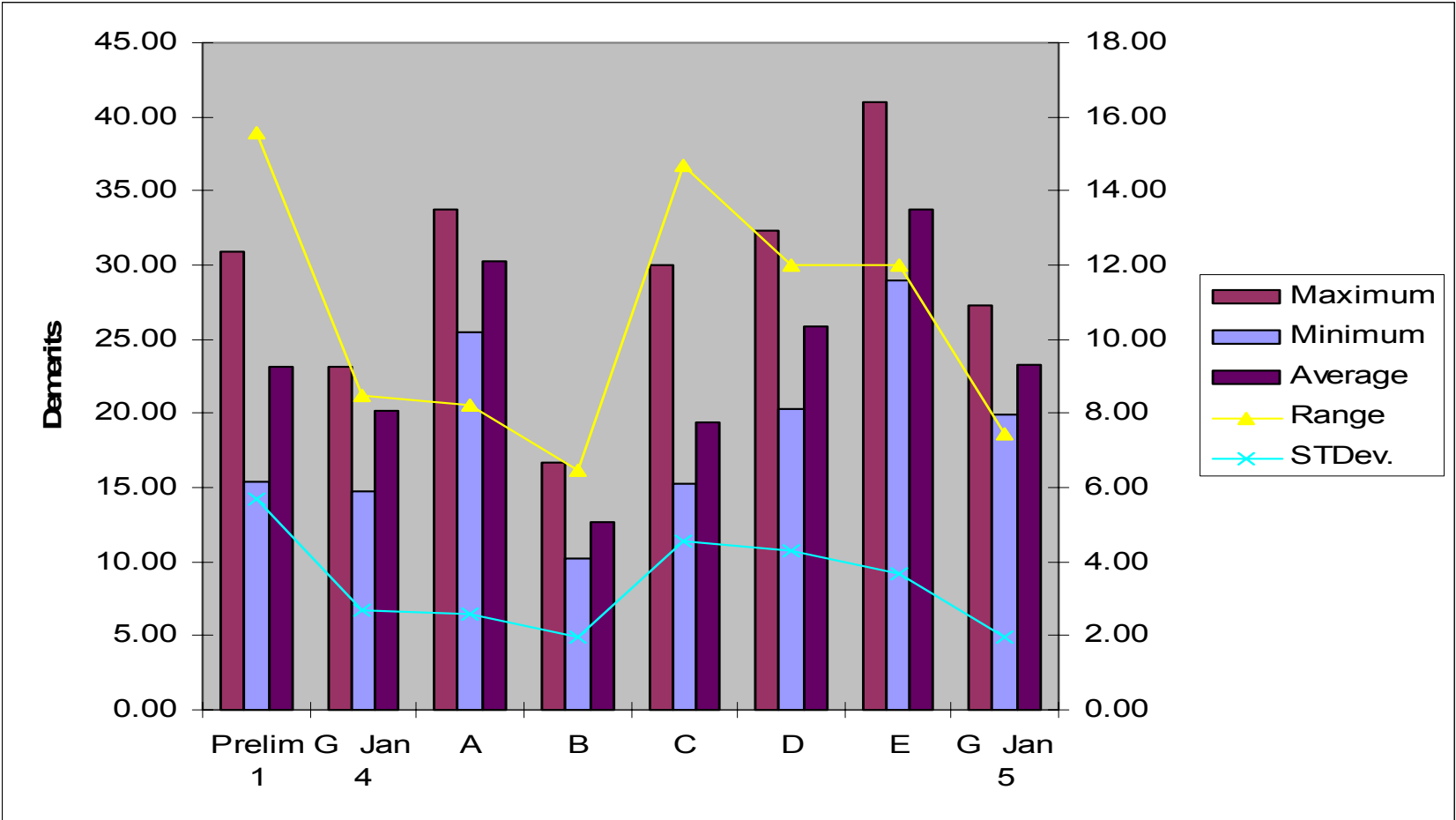
All Raters – Ring Set G – Pre vs. Post



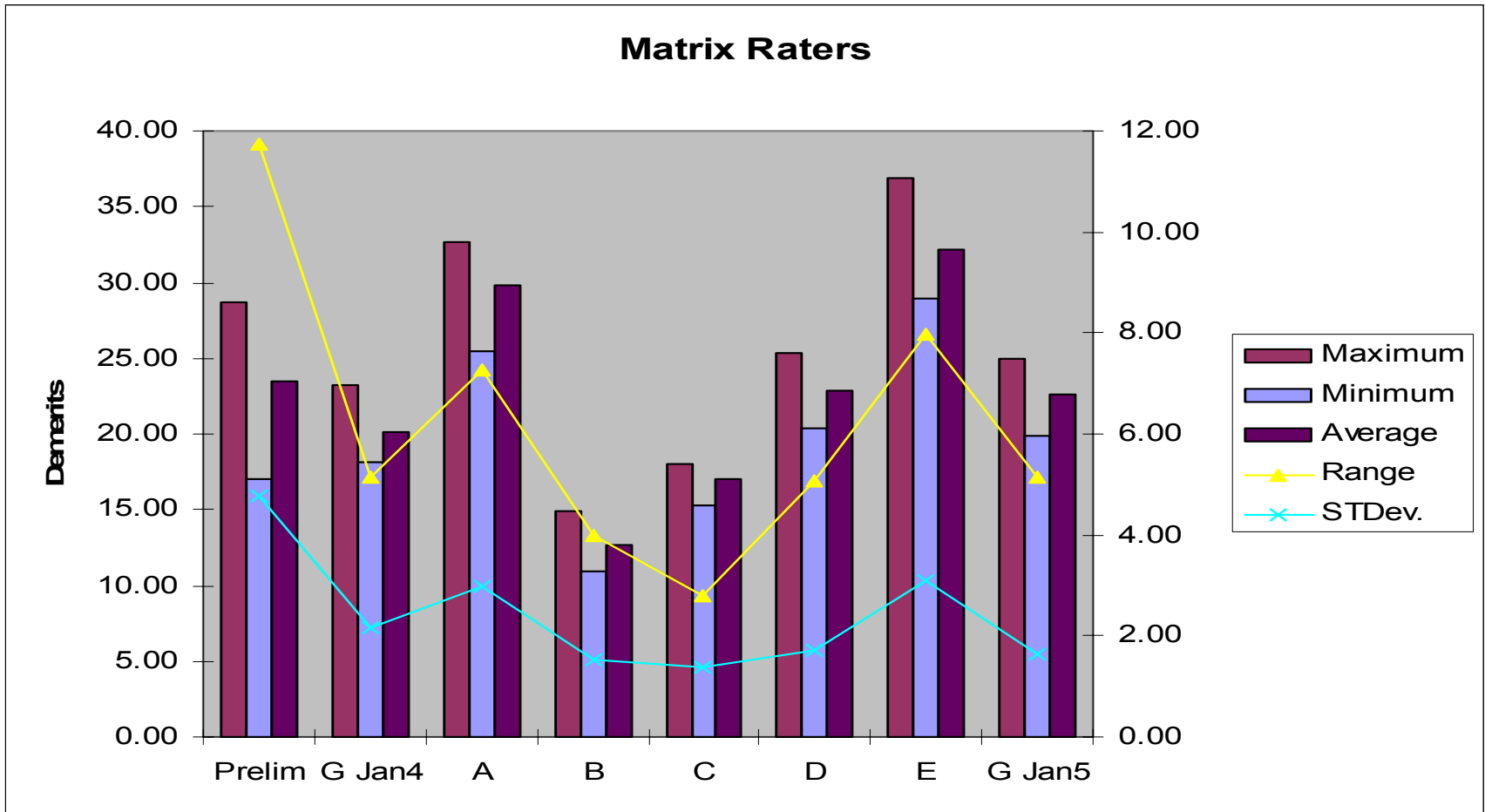
Matrix Raters – Ring Set G – Pre vs. Post



All Raters



Matrix Raters



2nd Ring Rated Area

