AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

2nd Set of moves (4/23)

OUTER ZONE (Shrouding Corrections)

Starting Position (Width Open) — Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	7.44	6.83	6.94	6.63	6.75	6.25
A (front- 3rd)	5.88	5.75	5.44	6.00	5.75	5.25
F (front- 2nd)	5.63	5.69	5.81	5.50	5.19	5.50
B (front- 1st)	5.81	5.13	5.94	5.94	5.69	5.50
D (rear- 4th)	5.63	6.00	6.13	6.00	6.50	6.25
H (rear- 3rd)	5.81	5.50	6.19	6.19	6.00	5.75
C (rear- 2nd))	6.25	6.25	6.13	6.38	6.38	6.00
G (rear- 1st)	6.69	6.25	6.75	6.19	6.13	6.50

New Positioning — Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	7.12 (7 1/8)	-0.32 (-5/16)	6.53 (6 1/2)	-0.30 (-5/16)	6.58 (6 1/2)	-0.36 (-3/8)	7.07 (7)	0.44 (7/16)	7.12 (7 1/8)	0.37 (3/8)	6.68 (6 11/16)	0.43 (7/16)
A (front- 3rd)	5.34 (5 3/4)	-0.54 (-1/2)	5.42 (5 7/16)	-0.33 (-5/16)	5.29 (5 1/4)	-0.15 (-1/8)	5.75 (5 3/4)	0.25 (1/4)	~~5.67~~	~~-0.08~~	5.51 (5 1/2)	0.26 (1/4)
F (front- 2nd)	5.28 (5 1/4)	-0.35 (-5/16)	5.43 (5 7/16)	-0.26 (-1/4)	5.42 (5 7/16)	0.39 (3/8)	~~5.45~~	~~-0.05~~	~~5.18~~	~~-0.04~~	5.10 (5 1/8)	0.40 (7/16)
B (front- 1st)	5.30 (5 3/16)	0.51 (1/2)	5.01 (5)	-0.12 (-1/8)	5.38 (5 3/8)	0.56 (9/16)	5.46 (5 1/2)	0.48 (1/2)	5.55 (5 1/2)	0.14 (1/8)	5.16 (5 1/8)	0.34 (3/8)
D (rear- 4th)	5.51 (5 1/2)	0.12 (1/8)	5.84 (5 7/8)	0.16 (3/16)	~~5.13~~	~~0.00~~	6.28 (6 1/4)	0.28 (1/4)	~~6.44~~	~~-0.06~~	6.05 (6)	-0.20 (-1/4)
H (rear- 3rd)	5.60 (5 5/8)	0.21 (1/4)	~~5.88~~	~~0.06~~	~~6.23~~	~~0.04~~	7.00 (7)	0.81 (13/16)	7.10 (7 1/8)	1.10 (1 1/8)	6.07 (6)	0.32 (5/16)
C (rear- 2nd))	6.25	0.25 (1/4)	6.46 (6 1/2)	0.21 (1/4)	~~6.07~~	~~0.00~~	6.49 (6 1/2)	0.11 (1/8)	~~6.35~~	~~-0.03~~	~~5.98~~	~~-0.02~~
G (rear- 1st)	~~6.72~~	~~-0.08~~	6.70 (6 11/16)	0.45 (7/16)	8.35 (8 3/8)	1.60 (1 5/8)	7.35 (7 3/8)	1.16 (1 3/16)	7.24 (7 1/4)	1.11 (1 1/8)	6.15 (6 1/8)	-0.35 (-5/16)

includes crosschecked & corrected settings (see next page)

- smaller opening from present
+ larger opening
strikeout - no changes

INNER ZONE (Backplate Corrections)

Starting Position (Width Open) — Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	3.44	3.38	3.31	3.38	3.19	3.56
A (front- 3rd)	3.38	3.44	3.56	3.44	3.38	3.38
F (front- 2nd)	3.31	3.38	3.31	3.38	3.50	3.38
B (front- 1st)	3.38	3.56	3.63	3.63	3.44	3.69
D (rear- 4th)	3.50	3.56	3.56	3.44	3.38	3.56
H (rear- 3rd)	3.56	3.56	3.56	3.44	3.44	3.56
C (rear- 2nd))	3.63	3.75	3.69	3.69	3.69	3.50
G (rear- 1st)	3.38	3.69	3.63	3.50	4.00	3.75

New Positioning — Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	3.85 (3 7/8)	0.41 (3/8)	3.66 (3 11/16)	0.28 (1/4)	4.14 (4 1/8)	0.83 (13/16)	3.04 (3)	-0.34 (-5/16)	2.91 (2 15/16)	-0.28 (-1/4)	3.14 (3 1/8)	-0.42 (-7/16)
A (front- 3rd)	3.74 (3 3/4)	0.36 (3/8)	3.74 (3 3/4)	0.30 (5/16)	3.88 (3 7/8)	0.32 (5/16)	3.24 (3 1/4)	-0.20 (-3/16)	3.04 (3)	-0.34 (-3/8)	3.06 (3 1/16)	-0.32 (-5/16)
F (front- 2nd)	3.67 (3 11/16)	0.36 (3/8)	3.53 (3 1/2)	0.15 (3/16)	3.64 (3 5/8)	0.33 (5/16)	2.99 (3)	-0.39 (-3/8)	3.04 (3)	-0.46 (-7/16)	3.03 (3)	-0.35 (-3/8)
B (front- 1st)	3.89 (3 7/8)	0.51 (1/2)	4.07 (4 1/16)	0.51 (1/2)	3.81 (3 13/16)	0.18 (3/16)	3.42 (3 7/16)	0.21 (1/4)	3.28 (3 1/4)	-0.16 (-3/16)	3.50 (3 1/2)	-0.19 (-3/16)
D (rear- 4th)	3.63 (3 5/8)	0.13 (1/8)	3.34 (3 3/16)	0.22 (1/4)	~~3.55~~	~~-0.01~~	~~3.41~~	~~-0.03~~	~~3.41~~	~~-0.03~~	~~3.48~~	~~-0.08~~
H (rear- 3rd)	~~3.60~~	~~-0.04~~	~~3.53~~	~~-0.03~~	~~3.58~~	~~-0.02~~	~~3.40~~	~~-0.04~~	~~3.48~~	~~-0.04~~	~~3.58~~	~~-0.02~~
C (rear- 2nd))	~~3.70~~	~~-0.07~~	~~3.81~~	~~-0.06~~	~~3.79~~	~~-0.10~~	~~3.74~~	~~-0.05~~	~~3.70~~	~~-0.01~~	3.69 (3 11/16)	0.19 (3/16)
G (rear- 1st)	3.70 (3 11/16)	0.32 (5/16)	3.92 (3 15/16)	0.23 (1/4)	3.03 (3)	-0.60 (-5/8)	3.38 (3 3/8)	0.12 (1/8)	~~4.04~~	~~-0.04~~	~~3.74~~	~~-0.01~~

Field Measurements: ID nozzle _____"

Circumference Backplate _____"

Circumference outer register _____"

SUMBASE.XLS

IP7_002326

OUTER ZONE AIR INLET WIDTH

Shroud Settings 4/22/92 Wed

1st Interation

	ID		NEW 1 WIDTH		
E	FE6	Front	6.28	6 1/4	ok
	FE5		6.75	6 3/4	ok
	FE4		6.61	6 5/8	ok
	FE3		6.91	6 13/16	
	FE2		6.82	6 13/16	
	FE1		7.43	7 7/16	
A	FA6		5.26	5 1/4	
	FA5		5.79	5 3/4	
	FA4		5.98	6	
	FA3		5.42	5 7/16	
	FA2		5.78	5 3/4	ok
	FA1		5.74	5 3/4	5 5/8 - 6 → 5.88
F	FF6		5.53	5 1/2	ok
	FF5		5.19	5 3/16	
	FF4		5.54	5 1/2	
	FF3		5.68	5 11/16	5 13/16 → 5.81
	FF2		5.69	5 11/16	
	FF1		5.63	5 5/8	ok
B	FB6		5.47	5 1/2	
	FB5		5.66	5 11/16	
	FB4		5.92	5 15/16	
	FB3		5.92	5 15/16	ok
	FB2		5.15	5 1/8	
	FB1		5.72	5 3/4	5 13/16 → 5.81
D	RD1	Rear	5.64	5 5/8	
	RD2		5.97	6	
	RD3		6.12	6 1/8	
	RD4		5.95	6	
	RD5		6.56	6 1/2	
	RD6		6.27	6 1/4	
H	RH1		5.83	5 13/16	
	RH2		5.51	5 1/2	
	RH3		6.20	6 3/16	
	RH4		6.21	6 7/32	ok
	RH5		6.08	6 1/16	5 3/4 - 6 1/4 → 6
	RH6		5.76	5 3/4	ok
C	RC1		6.25	6 1/4	
	RC2		6.22	6 1/4	
	RC3		6.11	6 1/8	
	RC4		6.37	6 3/8	
	RC5		6.36	6 3/8	
	RC6		5.97	6	
G	RG1		6.67	6 11/16	
	RG2		6.29	6 1/4	
	RG3		6.72	6 3/4	
	RG4		6.18	6 3/16	→ 6 - 6 3/8 = 6 3/16 ok
	RG5		6.12	6 1/8	
	RG6		6.52	6 1/2	

Baseline testing based on sampling every 30° (vs 15°) due to late start on ID fans (FOX 1A)

Time: 5hrs (16 pts)

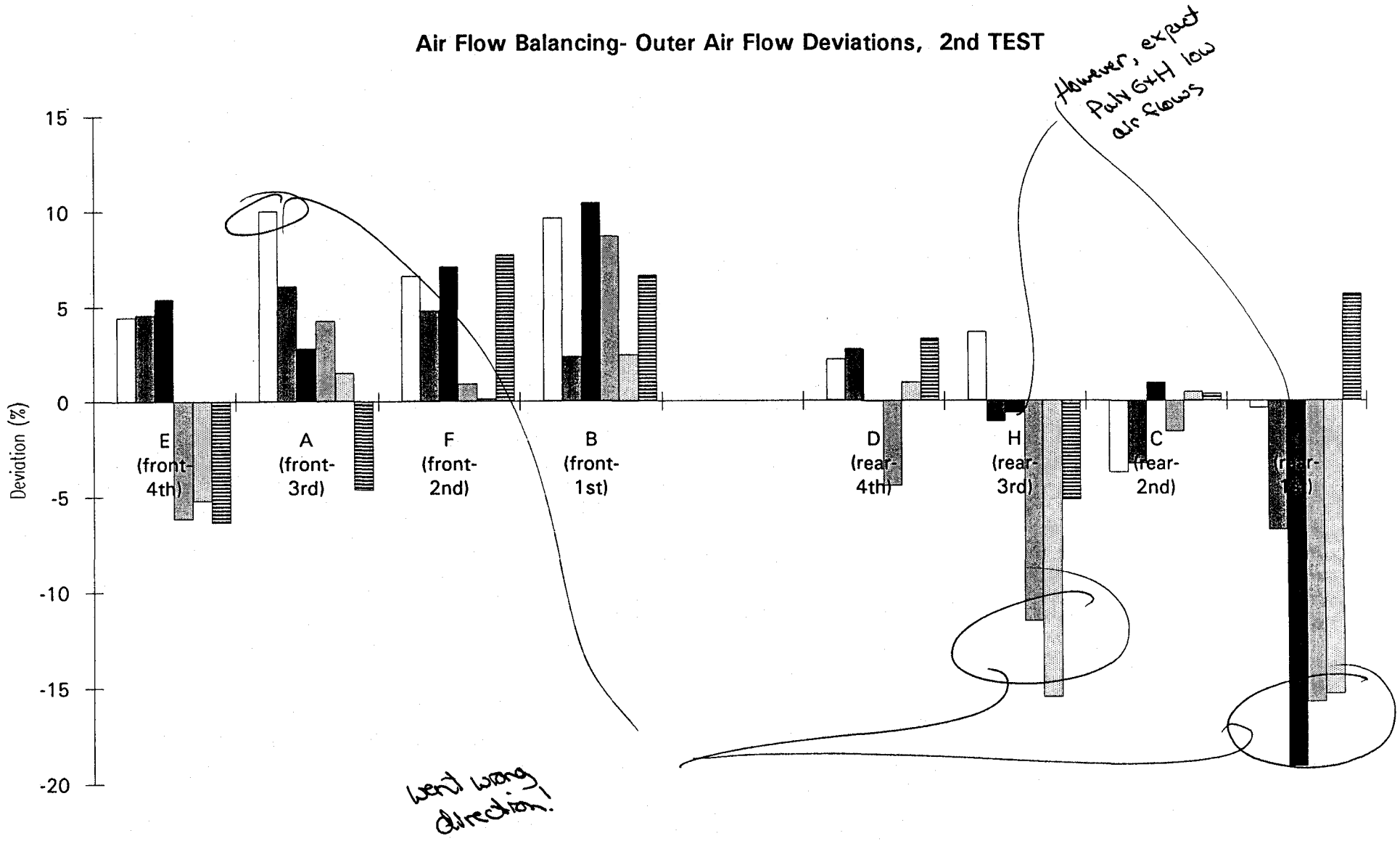
→ Cross Check of original measurements

Walkdown Burner Front

Verify - Register Settings
Outer + Spin vanes

IP7_002327

Air Flow Balancing- Outer Air Flow Deviations, 2nd TEST

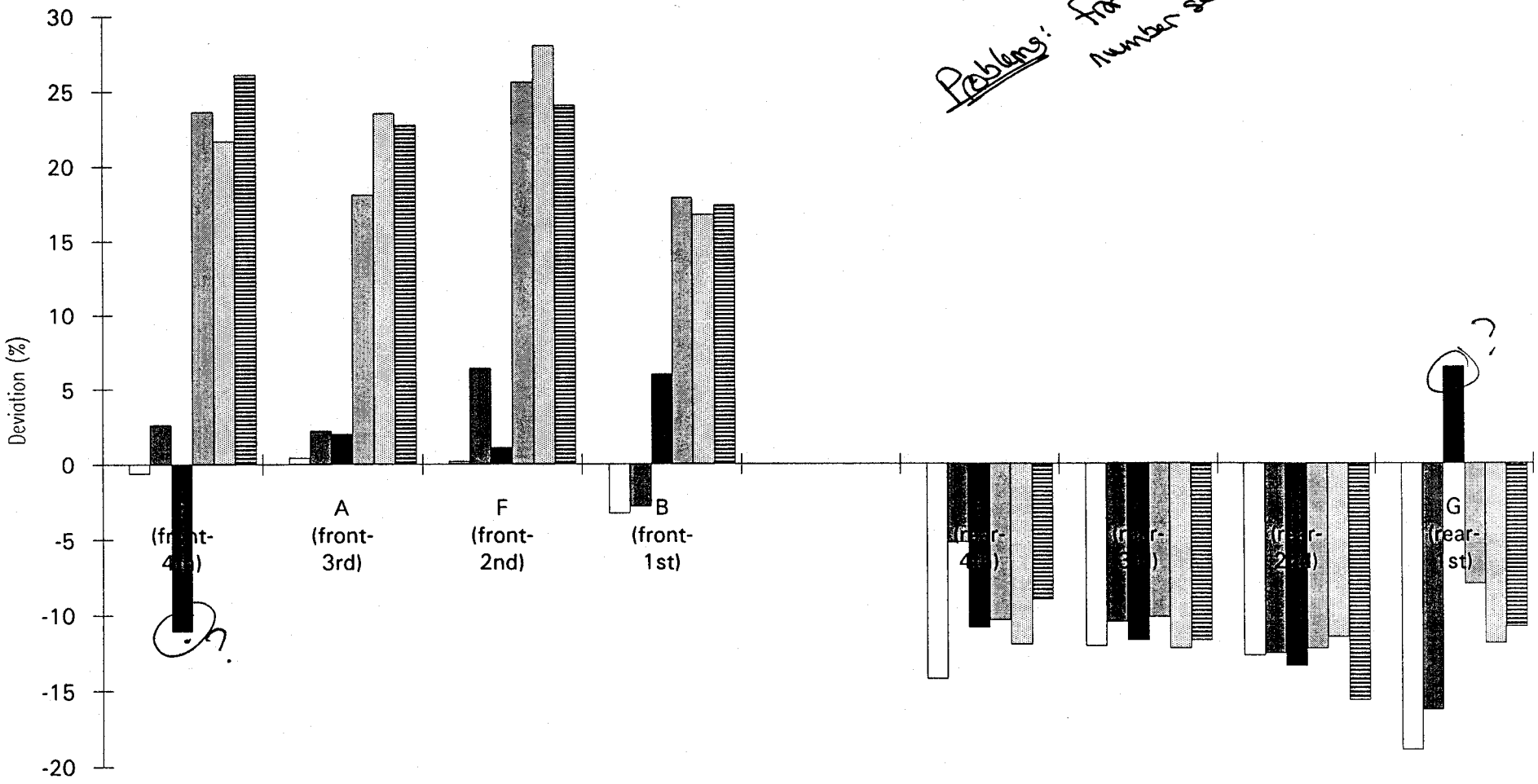


OUT-DEV.XLC

IP7_002328

Air Flow Balancing- Inner Air Deviation, 2nd TEST

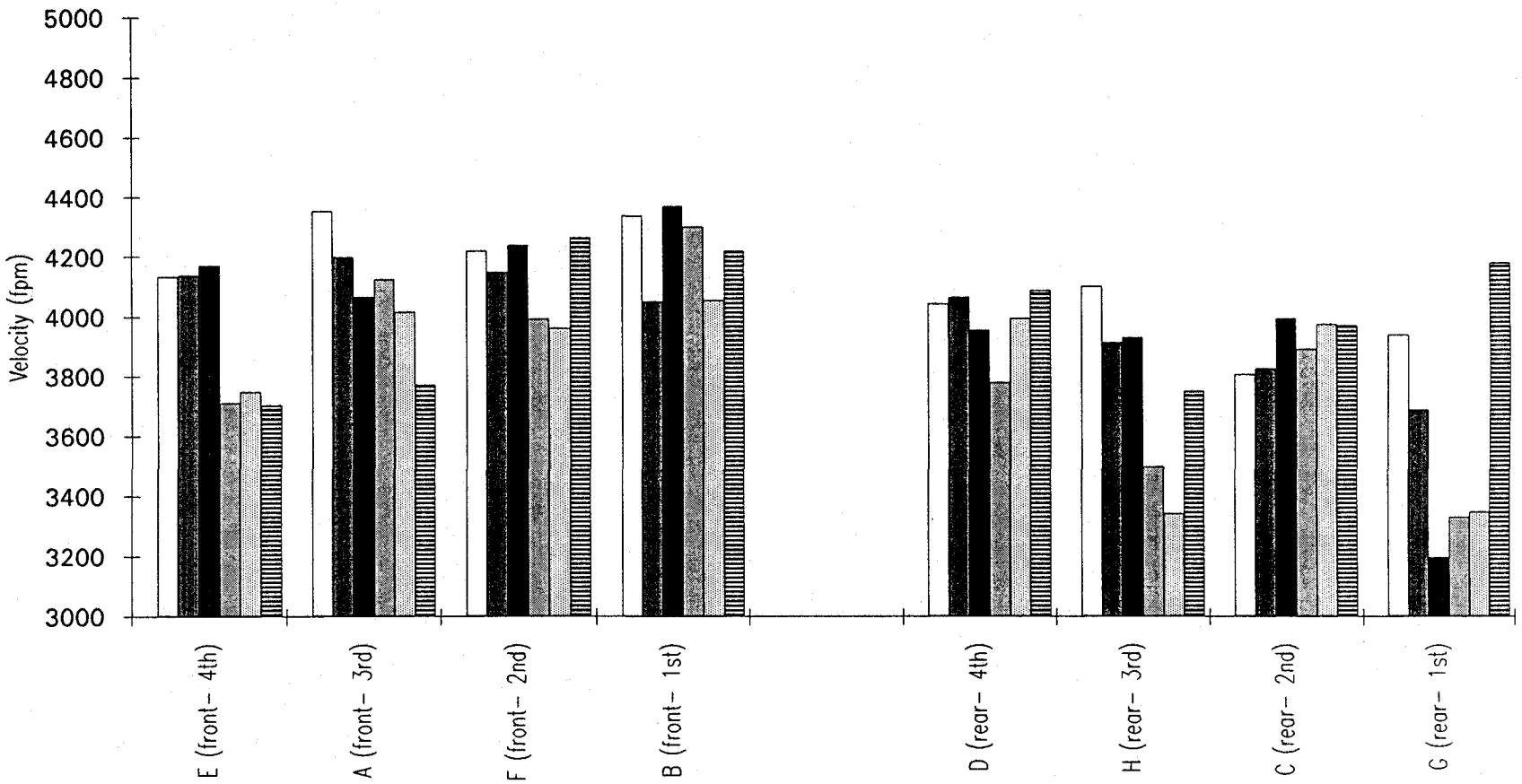
Problems: front & Rear wall number sets



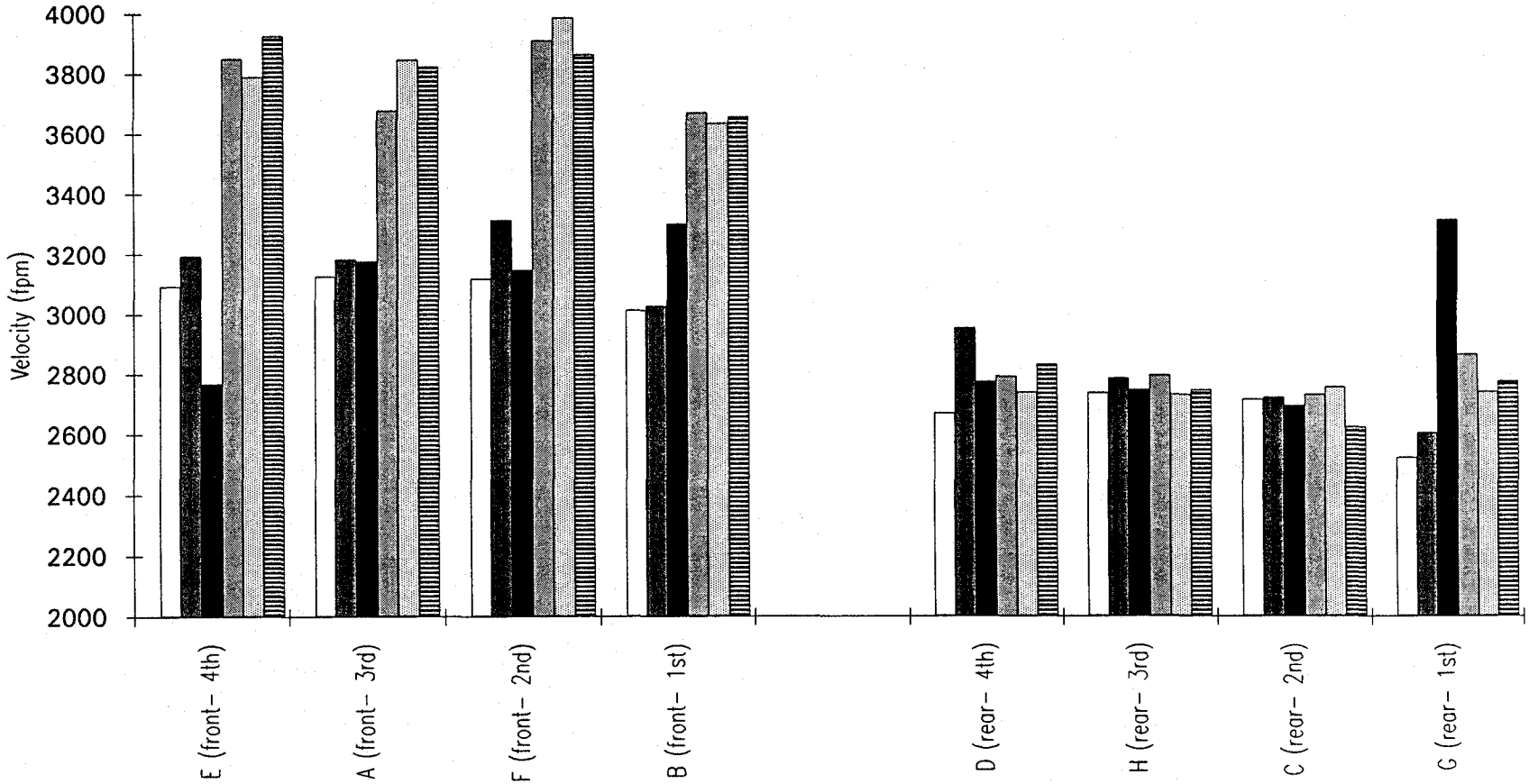
INN-DEV.XLC

IP7_002329

Air Flow Balancing- Outer Air by Shrouding, 2nd TEST



Air Flow Balancing- Inner Air By Backplates, 2nd TEST



AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

OUTER ZONE (Shrouding Corrections)

Average Test Point Velocities (ft/min)

Pulverizer #	Burner # 1	2	3	4	5	6		AVERAGES Front by Row		Rear by Row	Total By Row
E (front- 4th)	4132	4137	4170	3711	3748	3703		3934			
A (front- 3rd)	4352	4197	4066	4124	4014	3771		4087			
F (front- 2nd)	4218	4146	4238	3992	3961	4262		4136			
B (front- 1st)	4337	4049	4369	4300	4053	4219		4221	4095		
D (rear- 4th)	4042	4063	3954	3779	3994	4086		3986		3960	
H (rear- 3rd)	4100	3912	3929	3498	3341	3749		3755		3921	
C (rear- 2nd)	3806	3825	3994	3891	3974	3970		3910		4023	
G (rear- 1st)	3940	3687	3197	3330	3347	4179		3613	3816	3917	
AVERAGES											
Front by Bnr	4260	4132	4211	4032	3944	3989	4095	3955	3955	3955	
Rear by Bnr	3972	3872	3769	3625	3664	3996	3816				
Total by Bnr	4116	4002	3990	3828	3804	3992	3955				

Deviation =	1172
Max Vel =	4369
Min Vel =	3197

Velocity Split (outer/inner 127
21

INNER ZONE (Backplate Corrections)

Average Test Point Velocities (ft/min)

Pulverizer #	Burner # 1	2	3	4	5	6		AVERAGES Front by Row		Rear by Row	Total By Row
E (front- 4th)	3093	3194	2767	3849	3788	3924		3436			
A (front- 3rd)	3126	3182	3175	3676	3845	3821		3471			
F (front- 2nd)	3118	3312	3147	3909	3985	3862		3556			
B (front- 1st)	3010	3024	3300	3669	3634	3654		3382	3461		
D (rear- 4th)	2668	2950	2773	2789	2738	2831		2792		3114	
H (rear- 3rd)	2735	2784	2746	2794	2730	2746		2756		3113	
C (rear- 2nd)	2715	2720	2693	2730	2754	2624		2706		3131	
G (rear- 1st)	2522	2604	3314	2863	2740	2775		2803	2764	3092	
AVERAGES											
Front by Bnr	3087	3178	3097	3776	3813	3815	3461	3113	3113	3113	
Rear by Bnr	2660	2765	2882	2794	2741	2744	2764				
Total by Bnr	2873	2971	2989	3285	3277	3280	3113				

Deviation =	1463
Max Vel =	3985
Min Vel =	2522

SUMBASE2.XLS

IP7_002332

AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

OUTER ZONE (Shrouding Corrections)

Deviations on Average Test Point Velocities (ft/min)

Pulverizer #	Burner # 1	2	3	4	5	6		AVERAGES Front by Row		Rear by Row	Total By Row
E (front- 4th)	4.47	4.59	5.43	-6.18	-5.24	-6.38		-0.55			
A (front- 3rd)	10.03	6.11	2.80	4.26	1.48	-4.66		3.34			
F (front- 2nd)	6.64	4.82	7.15	0.93	0.14	7.75		4.57			
B (front- 1st)	9.65	2.37	10.46	8.71	2.47	6.67		6.72	3.52		
D (rear- 4th)	2.19	2.72	-0.03	-4.46	0.98	3.30		0.78		0.12	
H (rear- 3rd)	3.66	-1.10	-0.67	-11.56	-15.53	-5.22		-5.07		-0.87	
C (rear- 2nd)	-3.78	-3.30	0.98	-1.63	0.47	0.37		-1.15		1.71	
G (rear- 1st)	-0.39	-6.78	-19.17	-15.81	-15.38	5.65		-8.65	-3.52	-0.96	
AVERAGES											
Front by Bnr	7.70	4.47	6.46	1.93	-0.29	0.84	3.52	0.00	0.00	0.00	
Rear by Bnr	0.42	-2.11	-4.72	-8.36	-7.37	1.03	-3.52				
Total by Bnr	4.06	1.18	0.87	-3.22	-3.83	0.94	0.00				

Deviation =	29.63
Max Vel =	10.46
Min Vel =	-19.17

INNER ZONE (Backplate Corrections)

Deviations on Average Test Point Velocities (ft/min)

Pulverizer #	Burner # 1	2	3	4	5	6		AVERAGES Front by Row		Rear by Row	Total By Row
E (front- 4th)	-0.63	2.62	-11.10	23.66	21.70	26.07		10.39			
A (front- 3rd)	0.43	2.23	2.01	18.10	23.53	22.76		11.51			
F (front- 2nd)	0.18	6.41	1.11	25.59	28.03	24.08		14.23			
B (front- 1st)	-3.29	-2.84	6.02	17.88	16.75	17.40		8.65	11.20		
D (rear- 4th)	-14.28	-5.22	-10.91	-10.39	-12.03	-9.05		-10.31		0.04	
H (rear- 3rd)	-12.13	-10.56	-11.78	-10.23	-12.29	-11.78		-11.46		0.03	
C (rear- 2nd)	-12.77	-12.61	-13.48	-12.29	-11.52	-15.70		-13.06		0.58	
G (rear- 1st)	-18.97	-16.34	6.47	-8.02	-11.97	-10.84		-9.94	-11.20	-0.65	
AVERAGES											
Front by Bnr	-0.83	2.10	-0.49	21.31	22.50	22.58	11.20	0.00	0.00	0.00	
Rear by Bnr	-14.54	-11.18	-7.42	-10.23	-11.95	-11.84	-11.20				
Total by Bnr	-7.68	-4.54	-3.96	5.54	5.28	5.37	0.00				

Deviation =	47.00
Max Vel =	28.03
Min Vel =	-18.97

SUMBASE2.XLS

IP7_002333

AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

OUTER ZONE (Shrouding Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	7 7/16	6 13/16	6 15/16	6 10/16	6 12/16	6 4/16
A (front- 3rd)	5 14/16	5 12/16	5 7/16	6	5 12/16	5 4/16
F (front- 2nd)	5 10/16	5 11/16	5 13/16	5 8/16	5 3/16	5 8/16
B (front- 1st)	5 13/16	5 2/16	5 15/16	5 15/16	5 11/16	5 8/16
D (rear- 4th)	5 10/16	6	6 2/16	6	6 8/16	6 4/16
H (rear- 3rd)	5 13/16	5 8/16	6 3/16	6 3/16	6	5 12/16
C (rear- 2nd)	6 4/16	6 4/16	6 2/16	6 6/16	6 6/16	6
G (rear- 1st)	6 11/16	6 4/16	6 12/16	6 3/16	6 2/16	6 8/16

SHROUD ADJUSTMENTS

New Positioning

Shroud Opening (Inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	7 2/16	6 8/16	6 9/16	7 1/16	7 2/16	6 11/16
A (front- 3rd)	5 6/16	5 7/16	5 5/16	5 12/16	5 11/16	5 8/16
F (front- 2nd)	5 4/16	5 7/16	5 7/16	5 7/16	5 3/16	5 2/16
B (front- 1st)	5 5/16	5	5 6/16	5 7/16	5 9/16	5 3/16
D (rear- 4th)	5 8/16	5 13/16	6 2/16	6 4/16	6 7/16	6 1/16
H (rear- 3rd)	5 10/16	5 9/16	6 4/16	7	7 2/16	6 1/16
C (rear- 2nd)	6 8/16	6 7/16	6 1/16	6 8/16	6 6/16	6
G (rear- 1st)	6 11/16	6 11/16	8 6/16	7 6/16	7 4/16	6 2/16

max 8¼

NOTES: (+) larger opening from present position
(-) smaller opening

Limits: Max Opening = 8.25", Min Opening = 3.75"

INNER ZONE (Backplate Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	3 7/16	3 6/16	3 5/16	3 6/16	3 3/16	3 9/16
A (front- 3rd)	3 6/16	3 7/16	3 9/16	3 7/16	3 6/16	3 6/16
F (front- 2nd)	3 5/16	3 6/16	3 5/16	3 6/16	3 8/16	3 6/16
B (front- 1st)	3 6/16	3 9/16	3 10/16	3 10/16	3 7/16	3 11/16
D (rear- 4th)	3 8/16	3 9/16	3 9/16	3 7/16	3 6/16	3 9/16
H (rear- 3rd)	3 9/16	3 9/16	3 9/16	3 7/16	3 7/16	3 9/16
C (rear- 2nd)	3 10/16	3 12/16	3 11/16	3 11/16	3 11/16	3 8/16
G (rear- 1st)	3 6/16	3 11/16	3 10/16	3 8/16	4	3 12/16

BACKPLATE ADJUSTMENTS

New Positioning

Shroud Opening (Inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	3 14/16	3 11/16	4 2/16	3 1/16	2 15/16	3 2/16
A (front- 3rd)	3 12/16	3 12/16	3 14/16	3 4/16	3 1/16	3 1/16
F (front- 2nd)	3 11/16	3 9/16	3 10/16	3	3 1/16	3
B (front- 1st)	3 14/16	4 1/16	3 13/16	3 7/16	3 4/16	3 8/16
D (rear- 4th)	3 10/16	3 5/16	3 9/16	3 7/16	3 7/16	3 8/16
H (rear- 3rd)	3 10/16	3 9/16	3 9/16	3 6/16	3 8/16	3 9/16
C (rear- 2nd)	3 11/16	3 13/16	3 13/16	3 12/16	3 11/16	3 11/16
G (rear- 1st)	3 11/16	3 15/16	3	3 6/16	4 1/16	3 12/16

NOTES: (+) larger opening, backplate rod adjusts in
(-) smaller opening, backplate rod adjusts out

Limits: Max Opening = 12.0", Min Opening = 0.75"

SUMBASE2.XLS

IP7_002334

AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

OUTER ZONE (Shrouding Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	7.44	6.83	6.94	6.63	6.75	6.25
A (front- 3rd)	5.88	5.75	5.44	6.00	5.75	5.25
F (front- 2nd)	5.63	5.69	5.81	5.50	5.19	5.50
B (front- 1st)	5.81	5.13	5.94	5.94	5.69	5.50
D (rear- 4th)	5.63	6.00	6.13	6.00	6.50	6.25
H (rear- 3rd)	5.81	5.50	6.19	6.19	6.00	5.75
C (rear- 2nd)	6.25	6.25	6.13	6.38	6.38	6.00
G (rear- 1st)	6.69	6.25	6.75	6.19	6.13	6.50

SHROUD ADJUSTMENTS

New Positioning

Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	7.12	-0.32	6.53	-0.30	6.58	-0.36	7.07	0.44	7.12	0.37	6.68	0.43
A (front- 3rd)	5.34	-0.54	5.42	-0.33	5.29	-0.15	5.75	-0.25	5.67	-0.08	5.51	0.26
F (front- 2nd)	5.28	-0.35	5.43	-0.26	5.42	-0.39	5.45	-0.05	5.18	-0.01	5.10	-0.40
B (front- 1st)	5.30	-0.51	5.01	-0.12	5.38	-0.56	5.46	-0.48	5.55	-0.14	5.16	-0.34
D (rear- 4th)	5.51	-0.12	5.84	-0.16	6.13	0.00	6.28	0.28	6.44	-0.06	6.05	-0.20
H (rear- 3rd)	5.60	-0.21	5.56	0.06	6.23	0.04	7.00	0.81	7.10	1.10	6.07	0.32
C (rear- 2nd)	6.50	0.25	6.46	0.21	6.07	-0.06	6.49	0.11	6.35	-0.03	5.98	-0.02
G (rear- 1st)	6.72	0.03	6.70	0.45	8.35	1.60	7.35	1.16	7.24	1.11	6.15	-0.35

NOTES: (+) larger opening from present position
(-) smaller opening
Limits: Max Opening = 8.25", Min Opening = 3.75"

Backplate Openings
w/o Front + Rear Wall Compensation

INNER ZONE (Backplate Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	3.44	3.38	3.31	3.38	3.19	3.56
A (front- 3rd)	3.38	3.44	3.56	3.44	3.38	3.38
F (front- 2nd)	3.31	3.38	3.31	3.38	3.50	3.38
B (front- 1st)	3.38	3.56	3.63	3.63	3.44	3.69
D (rear- 4th)	3.50	3.56	3.56	3.44	3.38	3.56
H (rear- 3rd)	3.56	3.56	3.56	3.44	3.44	3.56
C (rear- 2nd)	3.63	3.75	3.69	3.69	3.69	3.50
G (rear- 1st)	3.38	3.69	3.63	3.50	4.00	3.75

BACKPLATE ADJUSTMENTS

New Positioning

Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	3.46	0.02	3.29	-0.09	3.72	0.41	2.73	-0.65	2.62	-0.57	2.82	-0.74
A (front- 3rd)	3.37	-0.01	3.36	-0.08	3.49	-0.07	2.91	-0.53	2.74	-0.64	2.75	-0.63
F (front- 2nd)	3.30	-0.01	3.18	-0.20	3.27	-0.04	2.69	-0.69	2.73	-0.77	2.72	-0.66
B (front- 1st)	3.50	0.12	3.66	0.10	3.42	-0.21	3.08	-0.55	2.95	-0.49	3.14	-0.55
D (rear- 4th)	4.08	0.58	3.76	0.20	4.00	0.44	3.84	0.40	3.84	0.46	3.91	0.35
H (rear- 3rd)	4.05	0.49	3.98	0.42	4.04	0.48	3.83	0.39	3.92	0.48	4.04	0.48
C (rear- 2nd)	4.16	0.53	4.29	0.54	4.26	0.57	4.21	0.52	4.17	0.48	4.15	0.65
G (rear- 1st)	4.17	0.79	4.41	0.72	3.41	-0.22	3.81	0.31	4.54	0.54	4.21	0.46

NOTES: (+) larger opening, backplate rod adjusts in
(-) smaller opening, backplate rod adjusts out
Limits: Max Opening = 12.0", Min Opening = 0.75"

SUMBASE3.XLS

IP7_002335

AIR DISTRIBUTION ANALYSIS- SUMMARY

IGS Unit 1 04/22/92, Wed Test #2

OUTER ZONE (Shrouding Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	7.44	6.83	6.94	6.63	6.75	6.25
A (front- 3rd)	5.88	5.75	5.44	6.00	5.75	5.25
F (front- 2nd)	5.63	5.69	5.81	5.50	5.19	5.50
B (front- 1st)	5.81	5.13	5.94	5.94	5.69	5.50
D (rear- 4th)	5.63	6.00	6.13	6.00	6.50	6.25
H (rear- 3rd)	5.81	5.50	6.19	6.19	6.00	5.75
C (rear- 2nd)	6.25	6.25	6.13	6.38	6.38	6.00
G (rear- 1st)	6.69	6.25	6.75	6.19	6.13	6.50

SHROUD ADJUSTMENTS

New Positioning

Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	7.12	-0.32	6.53	-0.30	6.58	-0.36	7.07	0.44	7.12	0.37	6.68	0.43
A (front- 3rd)	5.34	-0.54	5.42	-0.33	5.29	-0.15	5.75	-0.25	5.67	-0.08	5.51	0.26
F (front- 2nd)	5.28	-0.35	5.43	-0.26	5.42	-0.39	5.45	-0.05	5.18	-0.01	5.10	-0.40
B (front- 1st)	5.30	-0.51	5.01	-0.12	5.38	-0.56	5.46	-0.48	5.55	-0.14	5.16	-0.34
D (rear- 4th)	5.51	-0.12	5.84	-0.16	6.13	0.00	6.28	0.28	6.44	-0.06	6.05	-0.20
H (rear- 3rd)	5.60	-0.21	5.56	0.06	6.23	0.04	7.00	0.81	7.10	1.10	6.07	0.32
C (rear- 2nd)	6.50	0.25	6.46	0.21	6.07	-0.06	6.49	0.11	6.35	-0.03	5.98	-0.02
G (rear- 1st)	6.72	0.03	6.70	0.45	8.35	1.60	7.35	1.16	7.24	1.11	6.15	-0.35

NOTES: (+) larger opening from present position
(-) smaller opening
Limits: Max Opening = 8.25", Min Opening = 3.75"

Front + Rear Walls: calculated independently

INNER ZONE (Backplate Corrections)

Starting Position (Width Open)

Shroud Opening (inches)

Pulverizer #	1	2	3	4	5	6
E (front- 4th)	3.44	3.38	3.31	3.38	3.19	3.56
A (front- 3rd)	3.38	3.44	3.56	3.44	3.38	3.38
F (front- 2nd)	3.31	3.38	3.31	3.38	3.50	3.38
B (front- 1st)	3.38	3.56	3.63	3.63	3.44	3.69
D (rear- 4th)	3.50	3.56	3.56	3.44	3.38	3.56
H (rear- 3rd)	3.56	3.56	3.56	3.44	3.44	3.56
C (rear- 2nd)	3.63	3.75	3.69	3.69	3.69	3.50
G (rear- 1st)	3.38	3.69	3.63	3.50	4.00	3.75

BACKPLATE ADJUSTMENTS

New Positioning

Shroud Opening and Devation from last Setting (Inches)

Pulverizer #	1	Dev	2	Dev	3	Dev	4	Dev	5	Dev	6	Dev
E (front- 4th)	3.85	0.41	3.66	0.28	4.14	0.83	3.04	-0.34	2.91	-0.28	3.14	-0.42
A (front- 3rd)	3.74	0.36	3.74	0.30	3.88	0.32	3.24	-0.20	3.04	-0.34	3.06	-0.32
F (front- 2nd)	3.67	0.36	3.53	0.15	3.64	0.33	2.99	-0.39	3.04	-0.46	3.03	-0.35
B (front- 1st)	3.89	0.51	4.07	0.51	3.81	0.18	3.42	-0.21	3.28	-0.16	3.50	-0.19
Based on Front Wall Average [L34 vs K42]												
D (rear- 4th)	3.63	0.13	3.34	-0.22	3.55	-0.01	3.41	-0.03	3.41	0.03	3.48	-0.08
H (rear- 3rd)	3.60	0.04	3.53	-0.03	3.58	0.02	3.40	-0.04	3.48	0.04	3.58	0.02
C (rear- 2nd)	3.70	0.07	3.81	0.06	3.79	0.10	3.74	0.05	3.70	0.01	3.69	0.19
G (rear- 1st)	3.70	0.32	3.92	0.23	3.03	-0.60	3.38	-0.12	4.04	0.04	3.74	-0.01
Based on Rear Wall Average [L39 vs K42]												

NOTES: (+) larger opening, backplate rod adjusts in
(-) smaller opening, backplate rod adjusts out
Limits: Max Opening = 12.0", Min Opening = 0.75"

SUMBASE2.XLS

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