Effective Apertures with Respect to R0
The Optimum Central Orbit (OCO) Line

Horizontal Apertures
β_{max} = 22.745 ± 0.0005 meters

Devices	$\beta \pm 0.1$ (meters)	A_{out} (in.)	A_{in} (in.)	$(\beta_{max}/\beta)^{1/2}$	$A_{out,L}$ (in.)	$A_{in,L}$ (in.)
B1 foil	21.9	2.460	3.291	1.02	2.51	3.35
B2 graphite	22.0	3.641	3.422	1.02	3.70	3.48
(A, I, K) 3 US	10.4	2.585	2.585	1.48	3.82	3.82
(A, I, K) 3 DS	10.4	2.398	2.398	1.48	3.55	3.55
(B-H, J, L) 3	10.4	2.873	2.873	1.48	4.25	4.25
L5	22.7	3.924	3.326	1.00	3.93	3.33
(A-E, G, J-K) 5	22.7	2.873	2.873	1.00	2.88	2.88
(G, J, L) 7 US	10.4	2.585	2.585	1.48	3.82	3.82
(G, J, L) 7 DS	10.4	2.398	2.398	1.48	3.55	3.55
(A-F, H, I, K) 7	10.4	2.873	2.873	1.48	4.25	4.25
G10 POLARIMETER	17.4	3.438	3.420	1.14	3.92	3.90
I10 DAMPER	14.9	3.010	2.740	1.24	3.73	3.40
A13	21.9	2.873	2.873	1.02	2.93	2.93
(B-L) 13	21.9	2.873	2.873	1.02	2.93	2.93
FERRITE QUADS @15	10.1	2.219	2.219	1.50	3.33	3.33
(A-L) 17	21.9	2.873	2.873	1.02	2.93	2.93
E20 US	12.7	3.108	1.738	1.34	4.15	2.33
E20 DS	18.2	3.258	1.988	1.12	3.64	2.23
MAG VAC CHAMB	22.7	3.406	3.406	1.00	3.41	3.41
E5 US	22.7	2.209	3.290	1.00	2.21	3.29
E5 DS	22.7	2.259	3.290	1.00	2.26	3.29
H5 US	22.7	2.209	3.290	1.00	2.21	3.29
H5 DS	22.7	2.259	3.290	1.00	2.26	3.29
F5 NOMINAL	22.7	2.540	3.290	1.00	2.54	3.29
F10 NOMINAL US	18.5	2.237	3.171	1.11	2.48	3.52
F10 MIDDLE	16.1	1.928	3.171	1.19	2.29	3.77
F10 DS	15.7	1.978	3.179	1.20	2.37	3.82
H10 NOMINAL US	18.3	2.777	3.171	1.11	3.08	3.52
H10 DS	12.6	2.385	3.179	1.34	3.20	4.26
F15 IX	10.0	2.465	2.847	1.51	3.72	4.30
RF CAV. 10 US	18.5	2.844	2.844	1.11	3.15	3.15
RF CAV. 20 DS	18.5	2.844	2.844	1.11	3.15	3.15
A1 VAC CHAMB‡	22.3	3.159	4.685	1.01	3.19	4.73
A2 VAC CHAMB‡	21.9	3.159	3.904	1.02	3.22	3.98
A3 VAC CHAMB‡	14.5	2.309	2.979	1.25	2.89	3.73
A5 KICKER	22.7	2.532	2.532	1.00	2.53	2.53
L20 SEPT US	12.5*/12.2†	3.288	2.000	1.37	4.49	2.70
L20 SEPT DS	18.5*/19.3†	3.135	2.000	1.09	3.40	2.22
C5 IPM	22.7	2.852	3.523	1.00	2.85	3.52
E15 IPM	10.0	2.665	3.335	1.51	4.03	5.04
C5 JUMP TGT	22.7	2.915	3.585	1.00	2.92	3.59
E15 JUMP TGT	10.0	1.978	2.648	1.51	2.98	3.99
VHF CAVITY US	12.2	2.750	2.750	1.36	3.75	3.75
VHF CAVITY DS	14.8	2.750	2.750	1.24	3.42	3.42
A10 TUNE METER US	18.7	2.728	2.990	1.10	3.01	3.30
A10 TUNE METER DS	15.5	2.786	3.048	1.21	3.38	3.69

Table 2 from AGS Tech Note 355, "Another Look at Apertures in the AGS", P. Carolan, K.A. Brown, J. Zebuda, K.M. Brown.
All references are to AGS Tech Note 355.
‡See Appendix A *at location of A_{in} (see drawing) †at location of A_{out} (see drawing)