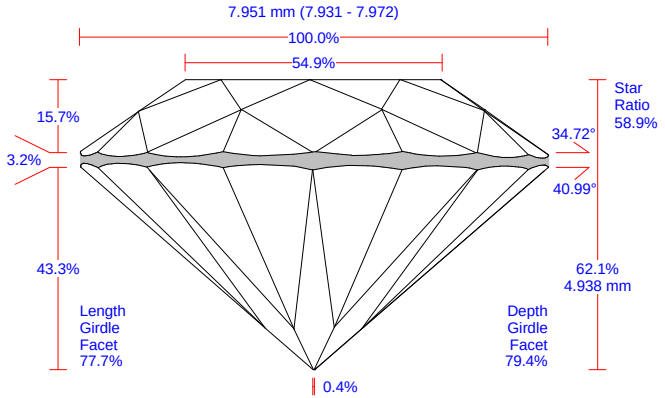
HELIUM ILLUSTRATED REPORT

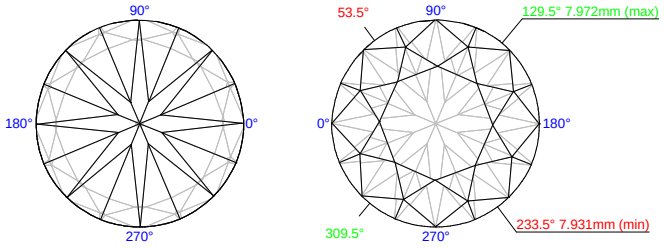
GOOD OLD GOLD, INC. Polished Brilliant

Model	Simple
Expert name	Jonathan Weingarten
Report date	14.12.2006
Real weight, ct	1.89
Calculated weight, ct	1.90, 1.9007
Measurements, mm	7.951 (7.931-7.972) x 4.938 /0.012
Spread	-0.04 ct, -2.08%

Average values, mm

Total height	Crown height	Pavilion depth	Table	Culet	Girdle		
					Bezel	Bone	Valley
4.938	1.245	3.441	4.368	0.028	0.252	0.251	0.119



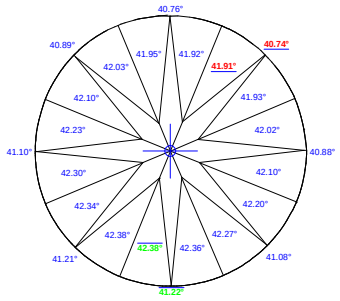


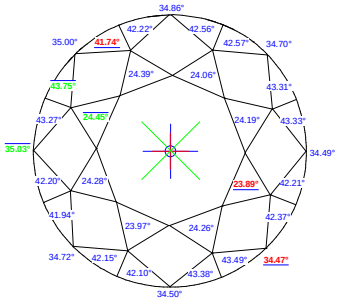
Appraiser title	AGS
Overall cut quality	0
Overall symmetry quality	IDEAL

Symmetry	AGS IDEAL
Polish	AGS IDEAL
Color	G
Clarity	SI1
Fluorescence	NONE

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	7.951	7.931	7.972	0.51%	0	EX
Crown angle, °	34.72	34.47	35.03	0.56	0	EX
Pavilion angle, °	40.99	40.74	41.22	0.48	N/A	EX
Total height, %	62.10				N/A	-
Crown height, %	15.65	15.34	16.18	0.85	N/A	EX
Pavilion depth, %	43.28	42.78	43.66	0.88	0	EX
Table, %	54.93	54.61	55.15	0.54	0	EX
Culet, %	0.35	0.31	0.37	0.06	0	EX
Girdle Bezel, %	3.17	2.60	3.84	1.24	N/A	VG
Girdle Bone, %	3.15	2.65	3.88	1.23	-	VG
Girdle Valley, %	1.50	0.99	2.13	1.14	0	VG
Star: Upper ratio, %	58.91: 41.09	56.64: 43.36	61.07: 38.93	4.43	-	-
Star angle, °	24.19	23.89	24.45	0.56		EX
Upper girdle angle, °	42.66	41.74	43.75	2.00	-	EX
Lower girdle angle / Halves angle, °	42.15	41.91	42.38	0.47	-	EX
Twist, °	0.46	0.02	1.15	1.13	-	EX
Crown height, mm	1.245	1.219	1.287	0.067	-	-
Pavilion depth, mm	3.441	3.401	3.471	0.070	-	-
Table, mm	4.368	4.342	4.384	0.043	-	-
Culet, mm	0.028	0.025	0.030	0.005	-	-
Girdle Bezel, mm	0.252	0.207	0.305	0.099	-	-
Girdle Bone, mm	0.251	0.211	0.308	0.098	-	-
Girdle Valley, mm	0.119	0.079	0.169	0.090	-	-
Measurement as per OctoNus theory:						
Crown angle, °	34.72	34.68	34.76	0.08	-	-
Pavilion angle, °	40.99	40.98	40.99	0.02	-	-
Fish eye effect, °			10.13		0	-
Culet through Crown Bezel, °			7.56		0	-

Azimuths deviation from ideal	1	2	3	4	5	6	7	8
Pavilion, °	0.00	0.20	0.33	0.59	0.55	0.41	0.16	0.13
Lower girdle facets / Pavilion Halves, °	-0.00 0.60	0.13 0.58	0.20 0.53	0.47 0.21	0.49 0.12	0.70 0.16	0.58 -0.02	0.80 0.03
Crown, °	0.75	0.53	-0.12	0.48	0.53	0.54	0.93	1.28
Upper girdle facets, °	1.02 -0.29	-0.56 0.49	-0.71 1.39	-0.12 0.24	-0.31 0.17	0.58 1.57	0.63 0.58	0.15 0.71
Star facets, °	1.68	1.37	1.29	1.51	1.02	1.98	1.77	1.87





Girdle center Culet center Table center

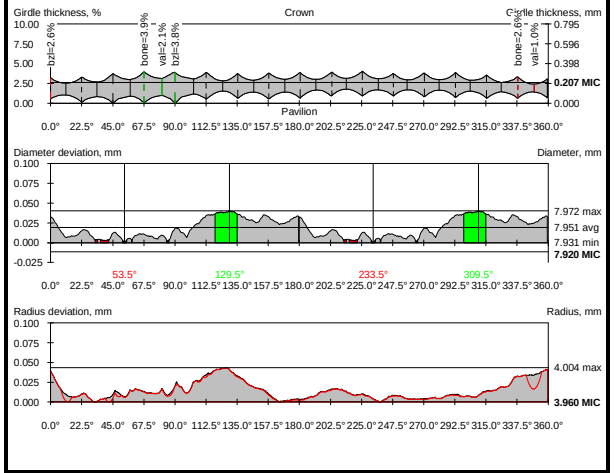
Offset by table axis

Girdle-Culet	0.10 ± 0.17, %	0.008 ± 0.014, mm
Girdle-Table	0.23 ± 0.15, %	0.019 ± 0.012, mm
Table-Culet	0.28 ± 0.19, %	0.022 ± 0.015, mm

1	2	3	4	5	6	7	8
7.964	7.944	7.950	7.967				
35.03	35.00	34.86	34.70	34.49	34.47	34.50	34.72
40.88	40.74	40.76	40.89	41.10	41.21	41.22	41.08
16.18	15.67	15.52	15.65	15.51	15.34	15.55	15.83
43.32	42.78	42.80	43.37	43.41	43.66	43.57	43.38
54.61	55.10	55.15	54.88				
2.60	3.69	3.84	3.08	3.19	3.11	2.96	2.90
3.14	3.88	3.35	3.27	2.96	2.86	3.12	2.65
1.46 1.34	1.86 1.35	2.07 1.40	2.13 1.24	1.89 1.33	1.27 1.37	1.49 1.19	1.61 0.99
58.85: 41.15	57.60: 42.40	58.74: 41.26	61.07: 38.93	59.05: 40.95	60.85: 39.15	58.52: 41.48	56.64: 43.36
24.45	24.39	24.06	24.19	23.89	24.26	23.97	24.28
43.27 42.21	43.75 42.37	41.74 43.49	42.22 43.38	42.56 42.10	42.57 42.15	43.31 41.94	43.33 42.20
42.02 42.30	41.93 42.34	41.91 42.38	41.92 42.38	41.95 42.36	42.03 42.27	42.10 42.20	42.23 42.10
0.75	0.33	0.45	0.11	0.02	0.13	0.78	1.15
1.287	1.246	1.234	1.244	1.233	1.219	1.236	1.258
3.444	3.401	3.403	3.448	3.451	3.471	3.464	3.449
4.342	4.381	4.384	4.363				
0.207	0.293	0.305	0.245	0.254	0.247	0.236	0.231
0.250	0.308	0.266	0.260	0.236	0.227	0.248	0.211
0.116	0.148	0.165	0.169	0.150	0.101	0.119	0.128
0.107	0.107	0.111	0.098	0.106	0.109	0.095	0.079

34.76	34.73	34.68	34.71				
40.99	40.98	40.99	40.99				

Extra Facet / Nat	No
Girdle to MIC, mm	0.012



Girdle Cutting	Avg	Max	Type
Crown, °	-0.04	-1.24	Classical
Crown, notches	0.0, Absent	0.3	
Pavilion, °	-0.04	-0.25	
Pavilion, notches	0.0, Absent	0.1	