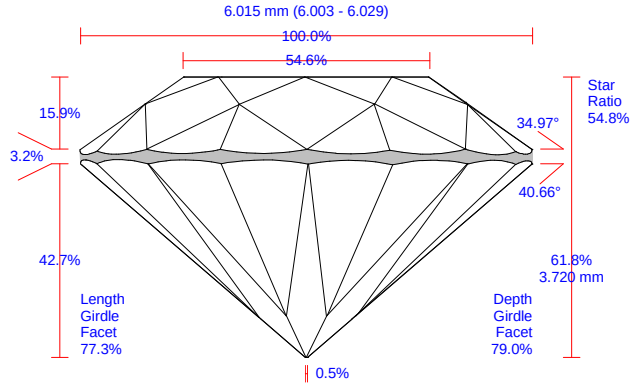
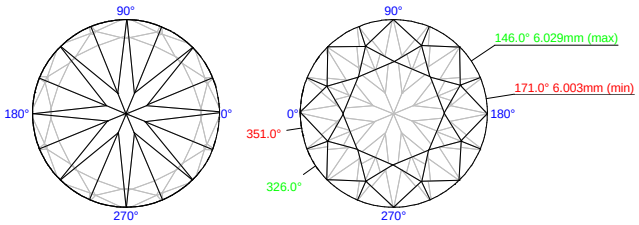
HELIUM ILLUSTRATED REPORT

GOOD OLD GOLD, INC. Polished Brilliant

Model	Simple
Expert name	Jonathan Weingarten
Report date	06.07.2006
Real weight, ct	.82
Calculated weight, ct	0.82, 0.8220
Spread	-0.01 ct, -1.69%
Measurements, mm	6.015 (6.003-6.029) x 3.720 /0.005

Average values, mm						
Crown height	Pavilion depth	Table	Culet	Girdle		
				Bezel	Bone	Valley
0.957	2.568	3.282	0.030	0.193	0.171	0.080



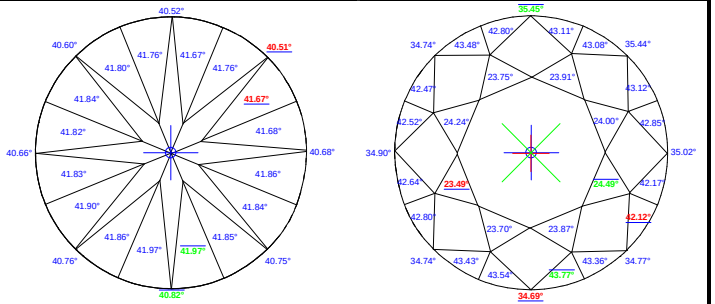


Appraiser title	AGS
Overall cut quality	0
Overall symmetry quality	IDEAL

Symmetry	GIA-EXCELLENT
Polish	GIA-EXCELLENT
Color	H
Clarity	SI1
Fluorescence	NONE

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	6.015	6.003	6.029	0.44%	0	EX
Crown angle, °	34.97	34.69	35.45	0.76	0	EX
Pavilion angle, °	40.66	40.51	40.82	0.30	N/A	EX
Total height, %	61.84				N/A	-
Crown height, %	15.91	15.63	16.10	0.47	N/A	EX
Pavilion depth, %	42.70	42.63	42.82	0.19	0	EX
Table, %	54.56	54.10	55.10	1.00	0	EX
Upper girdle angle, °	42.95	42.12	43.77	1.66	-	EX
Star angle, °	23.93	23.49	24.49	1.00	-	EX
Lower girdle angle / Halves angle, °	41.82	41.67	41.97	0.30	-	EX
Star: Upper ratio, %	54.76: 45.24	51.97: 48.03	56.51: 43.49	4.54	-	-
Culet, %	0.50	0.36	0.57	0.20	0	EX
Twist, °	0.45	0.13	1.00	0.88	-	EX
Girdle Bezel, %	3.21	3.09	3.41	0.32	N/A	EX
Girdle Bone, %	2.85	2.66	3.09	0.42	-	EX
Girdle Valley, %	1.33	0.97	1.54	0.57	0	EX
Total height, mm	3.720				N/A	-
Crown height, mm	0.957	0.940	0.968	0.028	-	-
Pavilion depth, mm	2.568	2.565	2.576	0.011	-	-
Table, mm	3.282	3.254	3.315	0.060	-	-
Culet, mm	0.030	0.022	0.034	0.012	-	-
Girdle Bezel, mm	0.193	0.186	0.205	0.019	-	-
Girdle Bone, mm	0.171	0.160	0.186	0.025	-	-
Girdle Valley, mm	0.080	0.058	0.093	0.034	-	-
Measurement as per OctoNus theory:						
Crown angle, °	34.97	34.75	35.09	0.33	-	-
Pavilion angle, °	40.66	40.64	40.68	0.04	-	-
Fish eye effect, °			9.02		0	
Culet through Crown Bezel, °			6.99		0	

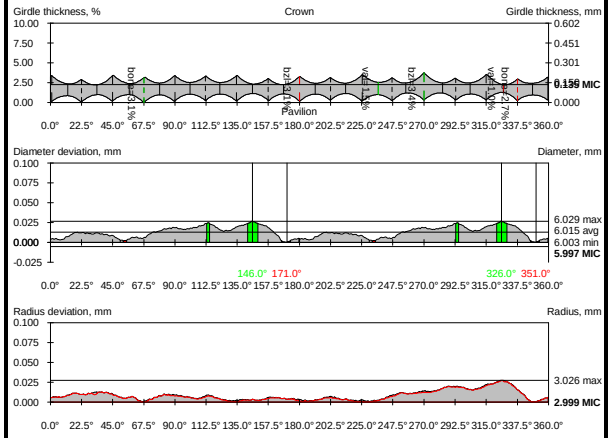
Azimuths deviation from ideal	1	2	3	4	5	6	7	8
Pavilion, °	0.00	-0.84	-0.17	-0.11	-0.03	-0.09	0.00	0.02
Lower girdle facets / Pavilion Halves, °	-0.15 0.25	-0.00 0.02	-0.31 -0.22	-0.24 -0.06	-0.11 -0.13	-0.39 0.26	-0.07 -0.06	0.22 0.34
Crown, °	0.46	-1.30	-0.66	0.27	0.28	-1.09	-0.12	0.39
Upper girdle facets, °	1.77 0.35	-1.76 -0.60	1.62 1.20	-0.77 -2.24	-0.02 1.92	-0.13 -1.34	1.04 2.56	-0.63 -0.43
Star facets, °	0.13	-0.66	0.27	1.12	0.56	-0.02	0.61	0.52



Girdle-Culet offset (by table axis)	Girdle-Table Offset (by table axis)	Table-Culet Offset (by table axis)
0.23 ± 0.22, %	0.04 ± 0.19, %	0.22 ± 0.23, %
0.014 ± 0.013, mm	0.003 ± 0.011, mm	0.013 ± 0.014, mm

1	2	3	4	5	6	7	8
6.007	6.012	6.021	6.022				
34.90	34.74	35.45	35.44	35.02	34.77	34.69	34.74
40.68	40.51	40.52	40.60	40.66	40.76	40.82	40.75
15.97	15.93	15.98	15.96	16.10	15.87	15.63	15.83
42.64	42.66	42.63	42.66	42.65	42.68	42.81	42.82
54.10	54.11	55.10	54.93				
42.52	42.47	43.48	42.80	43.11	43.08	43.12	42.85
42.17	42.12	43.36	43.77	43.54	43.43	42.80	42.64
24.24	23.75	23.91	24.00	24.49	23.87	23.70	23.49
41.68	41.67	41.76	41.67	41.76	41.80	41.84	41.82
41.83	41.90	41.86	41.97	41.97	41.85	41.84	41.86
54.14: 45.86	55.15: 44.85	55.19: 44.81	53.81: 46.19	56.20: 43.80	56.51: 43.49	55.12: 44.88	51.97: 48.03
0.46	0.46	0.49	0.38	0.30	1.00	0.13	0.38
3.24	3.17	3.17	3.18	3.09	3.28	3.41	3.17
2.81	3.09	3.04	2.74	2.82	2.89	2.72	2.66
1.47	1.22	1.38	1.47	1.46	1.44	1.16	1.16
1.35	1.26	1.54	1.25	1.26	1.39	0.97	1.46
0.961	0.959	0.962	0.960	0.968	0.955	0.940	0.952
2.565	2.566	2.565	2.566	2.566	2.568	2.575	2.576
3.254	3.255	3.315	3.304				
0.195	0.191	0.191	0.192	0.186	0.197	0.205	0.191
0.169	0.186	0.183	0.165	0.169	0.174	0.164	0.160
0.089	0.073	0.083	0.088	0.088	0.086	0.070	0.070
0.081	0.076	0.093	0.075	0.076	0.084	0.058	0.088
34.96	34.75	35.07	35.09				
40.67	40.64	40.67	40.68				

Extra Facet / Nat	No
Girdle to MIC, mm	0.005



Girdle type	Classical asymmetric
	0.37, %
	0.022, mm