8330f16, Peer Review of A04 by _____ (authors' names)

	Beginning, 1	Developing, 2	Accomplished, 3	Exemplary, 4	Score
Word File Organization **Counts 0.5**	Serious problems with at least one key component (text, refs., Tables, Figs.).	Contains discussion, endnotes, 2 Tables & 2 Figs. Sequencing issues. Major issues with format.	Disc. followed by endnotes, 2 Tables & 2 Figs. Minor issues w/ page numbers or headers.	Disc. in sect.1, endnotes follow, sect. 2 with 2 Tables & 2 Figs. on separate pages. Formatted as requested.	/2
Citation **Counts 0.5**	More than 3 sources missing. Or more than 4 issues with citation or endnotes format.	Good sources, 2 missing. Or 3-4 issues with in-text citation or endnotes format.	Good sources; 1 missing. Or 1-2 issues with in-text citation or endnotes format.	Good sources & complete. Citation mark placement & endnotes format A-OK.	/2
Structures Figure 1 **Counts 0.5**	At least two strs. correct. "Ball & Stick" models are shown.	At least two strs. correct. "Ball & Stick", white BG. Perspective & align. issues.	Three strs. correct. "Ball & Stick", white BG. Minor issues w/ arrangement.	Three strs. correct. "Ball & Stick", 65%, white BG. Well oriented & aligned.	/2
Tables Data	More than 6 data points are incorrect in number or unit.	At least 6 data points are incorrect in number or unit.	At least 3 data points are incorrect in number or unit.	All data given w/ correct units, appear fully correct.	/4
Legends Tables & Figs. **Counts 0.5**	Content of Tables and Figures remains unclear to a novice reader.	Content of Tables and Figures clearly described to a novice reader.	Legends "self-contained". Relevant params. (str., rel. E, MO # or eigenvalue) given.	"Self-contained". Relevant parameters given. Perfect format.	/2
Theo. Level Discussion	TL effects correctly described for at least one of the three criteria.	TL effects correctly described for at least two of the three criteria.	TL effects on structures, rxn. and act. energies described. Transparent logic.	TL effects on structures, rxn. and act. energies described. Brief, concise, clear.	/4
MOs in Figure 2 **Counts 0.5**	At least six MOs are shown of formaldehyde.	Eight MOs of H_2CO are shown and labeled.	Eight MOs, organized by eigenvalue, labeled. Alignments OK.	Ten MOs w/ ρ=0.004, organized by eigenvalue, labeled. Perfect alignments.	/2
Discussion of MOs **Counts 0.5**	Correct explanations of four of the seven terms.	Correct explanations of five of the seven terms.	Correct explanations of six of the seven terms.	Correct explanation of 5 MO terms plus "full active space" & "fc approximation".	/2
				Total (Max. 20)	

Constructive Comments (to guide the authors' revision):