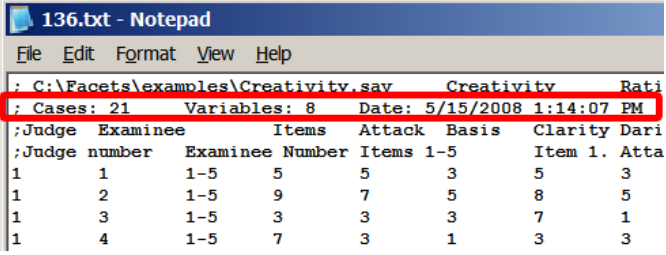
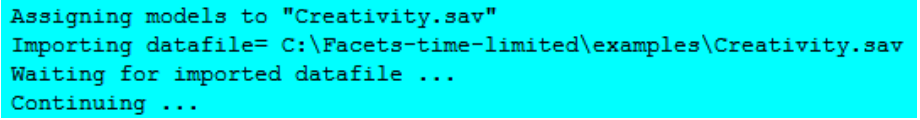
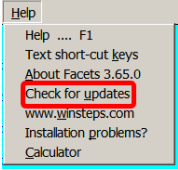
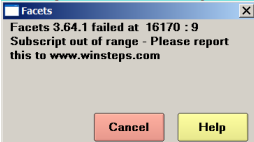
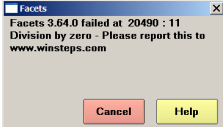


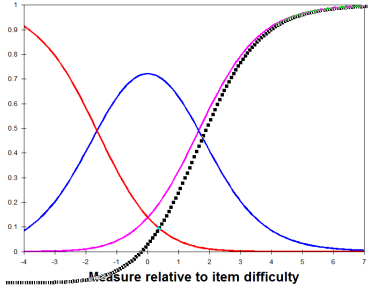
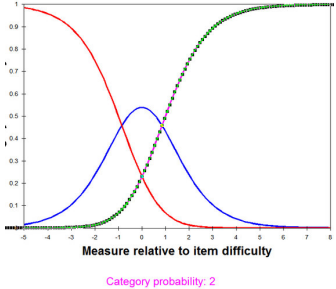
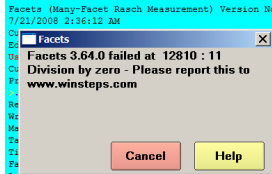
Facets 3.65.0 Enhancements and Bug Fixes - April 2009

Output Tables

1.	<p>Table 2: includes list of elements in the data not specified in Labels= These can be copy-and-pasted into the Facets specification file.</p> <p>Labels = Nobuild to suppress the list.</p>	<pre>Labels= ;to name the components 1,Senior scientists ;name of first facet 1=Avogadro ;names of elements within facet 2=Brahe ;these must be named, or they are treated as missing 3=Cavendish * Data= Davey,1,1-5,5,5,3,5,3 ; Davey is not in the Labels= list</pre> <p>In Table 2: List of unspecified elements. Please copy and paste into your specification file, where needed Labels=Nobuild ; to suppress this list 1,Senior scientists ; facet 1 4 = Davey *</p>																														
2.	Table 4 Headings	<pre>+-----+ Cat Step Exp. Resd Cat Score Exp. Resd StRes +-----+</pre>																														
3.	Table 5 compute for “Weighted:” when Models= is weighted	<p>Table 5. Measurable Data Summary.</p> <pre>+-----+ Cat Score Exp. Resd StRes +-----+ 4.68 4.68 4.68 .00 .02 Mean (Weighted: 75) 1.83 1.83 1.11 1.43 1.00 S.D. (Population) 1.85 1.85 1.12 1.44 1.00 S.D. (Sample) +-----+</pre>																														
4.	Table 5 headings: “Step” changed to “Score” Report variances explained	<p>Table 5. Measurable Data Summary.</p> <pre>+-----+ Cat Score Exp. Resd StRes +-----+ 4.84 4.84 4.83 .01 .01 Mean (Count: 105) 1.88 1.88 1.03 1.45 .97 S.D. (Population) 1.89 1.89 1.04 1.46 .97 S.D. (Sample) +-----+</pre> <p>Data log-likelihood chi-square = 333.3479 Approximate degrees of freedom = 20 Chi-square significance prob. = .0000</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: right;">Count</th> <th style="text-align: right;">Mean</th> <th style="text-align: right;">S.D.</th> <th style="text-align: right;">Params</th> </tr> </thead> <tbody> <tr> <td>Responses used for estimation</td> <td style="text-align: right;">= 105</td> <td style="text-align: right;">4.84</td> <td style="text-align: right;">1.88</td> <td style="text-align: right;">20</td> </tr> <tr> <td>Count of measurable responses</td> <td colspan="4">= 105.00</td> </tr> <tr> <td>Raw-score variance of observations</td> <td colspan="4">= 3.53 100.00%</td> </tr> <tr> <td>Variance explained by Rasch measures</td> <td colspan="4">= 1.41 40.04%</td> </tr> <tr> <td>Variance of residuals</td> <td colspan="4">= 2.11 59.96%</td> </tr> </tbody> </table>		Count	Mean	S.D.	Params	Responses used for estimation	= 105	4.84	1.88	20	Count of measurable responses	= 105.00				Raw-score variance of observations	= 3.53 100.00%				Variance explained by Rasch measures	= 1.41 40.04%				Variance of residuals	= 2.11 59.96%			
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5.	Report output file: Table 6 rulers of subsets only shown from Output Tables menu	<p style="text-align: center; color: blue;">There are 2 disconnected subsets. See them in Output Tables menu: Table 6.</p>																														
6.	Table 7: Suppress group-reports for a facet	<p>In Specification file, add “N” to facet type: Labels= 1, Facet-name, N or AN or GN or DN</p>																														

15.	SPSS input data file conversion: display: cases, variables and SPSS file date	
16.	Data formatting: allow element labels in data: (Not for element ranges, or Models= specifications)	Labels= ;to name the components 1,Senior scientists ;name of first facet 1=Avogadro ;names of elements within facet 2=Brahe ;these must be named, or they are treated as missing 3=Cavendish * Data= Cavendish,1,1-5,5,5,3,5,3 1,2,1-5,9,7,5,8,5
17.	Input file processing: Speed up SPSS file processing	
18.	allow data to end with *	data= 1,2,3,4 *
Menus		
19.	Help menu: Check for updates	
Estimation		
20.	Estimation: Hierarchical estimation of facets allowed.	Labels = facet number, facet name, anchor type, priority Reporting variance explained at each level or for subsetting.
21.	Newton= activates Newton-Raphson estimation	Newton= can be used to speed up estimation of well-behaved datasets.
Bug fixes		
22.	Residual file: log(0) error with binomial trials	repaired
23.	Subset reporting: incorrect warning of subsets under some conditions.	<pre> JMLE 3 59.5322 24.8 -16.9469 -.4499 -1.2760 Consolidating 9 subsets >.< Warning (6)! There may be 9 disjoint subsets >=====<</pre>

24.	Specification file: bug-fix: failure when Interrater = specifies non-existent facet	
25.	Specification file: bug-fix: failure when Labels= omitted	<p style="text-align: center;">Reported:</p> <p style="text-align: center; color: red;">Error F20 in line 69: No element labels specified after Labels=</p>
26.	Subset reporting: bug-fix: remove anchored elements from subsets	corrected: anchored elements self-define.
27.	File menu: bug-fix: Facets “exit and restart” or “restart” fails	corrected: was caused by ambiguous reference to “facets” on restart
28.	bug-fix: unobserved anchored elements cause divide by zero crash	
29.	Input file processing: Bug-fix: Incorrect matching with Models = ...,0, ...	<p>Model = ?,0,3,R ?,?,1,R *</p> <p>wrong: Responses matched to model: ?,?,1,R,1 = 29 Responses not matched to any model = 20</p> <p>remedied: Responses matched to model: ?,0,3,R,1 = 20 Responses matched to model: ?,?,1,R,1 = 29</p>
30.	Residual output file: bug-fix for null element numbers	<p>wrong: blank</p> <p>correct: Kzero= value (usually 0)</p>
31.	Bug-fix: Starting value now allowed in a group- anchored facet	<p>Labels = 1, Team, G ; name of first (team) facet 1=Arsenal, 2.25</p> <p>wrong: Warning (13)! Measure values specified for elements in group-anchored facet 1 without a group number</p> <p>remedied: element “Arsenal” has a starting value of 2.25</p>

<p>32. Graphing: bug-fix “selection block” problem!</p>	<p style="text-align: center;">Wrong:</p> 	<p style="text-align: center;">Right:</p> 
<p>33. Bug-fix: Keep, step-keep failure.</p>		
<p>34. Specification file: Models= element number too big.</p>	<p style="text-align: center;">?,104-121,156-3598122290,16,RangeAccPB2, 0.33333</p> <p style="background-color: yellow; color: red;">Specification is: 156-3598122290 : 156-3598122290 ? R 1 Error F23 in line 15: Invalid element number. Must be integers in range 0 - 2147483647</p>	
<p>35. Bug: freeze if “close box” clicked on “Closing” dialog. Now resumes Facets operation.</p>	