

Detailed functional tests for DAS/CCD3 software

Status display

Date: 23/10 - 2009
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 Version: 23/10 - 2009, Initial version.
 16/11 – 2009, Comments by AiC.
 20/4 – 2010, Updated to reflect actual software development.

Test number	11
Test name	Status display
Test document	11-test-status-display
Depends on test	7, Transmission of CCD3 events (over Ivy bus) 8, Transmission of CCD3/controller/detector status (over Ivy bus)
Requirements	The CCD3/DAS status display shall read the status information from the MySQL database table (later perhaps SQLite?) and present it to the user.
Circumstances	<ul style="list-style-type: none"> - The complete CCD3/DAS system shall be running, connected to a detector controller, controlling a CCD or reading out a dummy test pattern. - There shall be a network connection available for the external FITS information module to access the NOT "Operations" database.
Test descriptions	<u>Subtest 11.1:</u> The command "exp 10" shall be executed in the CCD3 command window.
Criteria	<p>The result is acceptable and thus the test is PASSED when</p> <ul style="list-style-type: none"> - The status display successfully receives the CCD3/DAS status information via the Ivy bus. - The status display at all times, visibly presents the CCD status (idle/integrating or reading out) to the user. - The status display presents the rest of the status information in a thematically grouped and intuitive way. - The information displayed in the status display is updated three (3) times per second (if made with polling) and when a piece of information changes value (if made with state changes). - The status display does not put a performance degrading load (less than 4% CPU load) on the host computer on which it runs.
Result	<input type="checkbox"/> Subtest 11.1 PASSED. Tested by _____ on ____ / ____ 20____ Signed _____

Notes	
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