



Special Test Request Form	STR Number <u>39</u>
Part 1 – Test Definition Section	
Test Requestor: Rich Bielawski/Gunther Haller	
Test Purpose and Justification: Determine the LAT sensitivity to the LAT system clock.	
Test Description: Using the external clock on JL-39, perform a short muon run at 18Mhz and 22Mhz.	
GSE Configuration: Standard setup using external clock settings on the Control Rack, GASU Clock Test Box per “External Input”, LAT-TD-07672.	
LAT Configuration: LAT instrument with primary side powered, configuration #2 as defined in LAT-MD-02730.	
Expected Results/Acceptance Criteria: No transport errors.	
Expected Duration: 4 hrs	
Expected Analysis Duration: 2 hrs	
Test Procedure: <ol style="list-style-type: none">1. Set external clock to 18 MHz (LAT-TD-07672)2. Power on LAT configuration #2 per LAT-PS-07836, 5.1, Turbo Power Up. Note that this power up sequence includes a short muon run “e2e_B_31_0.01hr.xml”.3. Repeat “e2e_B_31_0.01hr.xml” as required. Other previously generated muon run cases may be substituted.4. Power off LAT per LAT-PS-07836, 5.2.5. Repeat with external clock set to 22MHz.	
Test Script: Per LAT-PS-07836 para 3.1	



Part 2 – Impact Assessment Section			
Procedure development: NONE			
Script development and checkout: NONE			
Impact to schedule: 1 day			
Risk Assessment:			
Required Resources:			
Other Affected Parties: ELX support during test and for data review.			
Part 3: Signature Approval:			
Required Authorizations	Printed Name	Signature	Date
Quality	Joe Cullinan	(Signature on file)	4/6/06
I&T	Ken Fouts	(Signature on file)	4/11/06
Program Office	Dick Horn	(Signature on file)	4/6/06
Systems Engineering	Pat Hascall	(Signature on file)	4/11/06
Affected S/S managers	Gunther Haller	(Signature on file)	4/19/06
Instrument Scientist	Steve Ritz	(Signature on file)	4/6/06
IFCT	Larry Wai	(Signature on file)	4/5/06
Comish	Eric Grove	(Signature on file)	4/19/06
Other			
Other			