

Special Test Request Form	STR Number <u>4</u> <u>R01</u>
Part 1 – Test Definition Section	
Test Requestor: Eduardo do Couto e Silva	
Test Purpose and Justification: Run 1 hour of baseline run 1/1 but with TEM diagnostics enabled. The purpose is to add another reference to the end-to end runs (1 hour guarantees comparable statistics) and to check size of files and compare with estimates based on calculations. This is also needed to allow estimation of the most adequate value for files sizes during two tower tests which are scheduled 1 week from now.	
Test Description: Take 1 hour of cosmic rays with Tower A in vertical orientation using the end-to-end data taking script using in configuration 1/3.	
EGSE Configuration: Current configuration used for end to end runs. No impact	
LAT Configuration: Current configuration. (Vertical orientation without muon telescope) . No impact.	
Expected Results/Acceptance Criteria: Data collection completes with no errors.	
Expected Duration: 1 hour	
Expected Offline Analysis Duration: 2 hours after test completion	
Test Procedure: <ol style="list-style-type: none"> 1. Collect 2 min of test run to check configuration 2. Another run will be needed to be added to Gary's run matrix. The easiest way to do that is to copy run 1/1 and change its ID to 1/3 and enable the TEM diagnostics 3. There should be only very minor impact to operations since it can use same procedures used for run 1/1 	
Test Script: Same as data taking for end to end runs. No impact	

Part 2 – Impact Assessment Section			
Procedure development: The procedure is the same as existing end to end tests, only one register configuration parameter needs to be altered.			
Script development and checkout: Scripts are already in place. Validation for the intended parameter settings will be done by Eduardo do Couto e Silva and/or Lester Miller			
Impact to schedule: The total testing time is 1 hour. If scheduled for April 1st, it will not delay integration activities.			
Risk Assessment: Procedure does not have risks.			
Required Resources: GASU based test stand without muon telescope at building 33. Needs Eduardo do Couto e Silva and/or Lester Miller to be present for parameter changes. Needs presence of an operator for equipment power on/off at start and end of each test period.			
Other Affected Parties:			
Part 3: Signature Approval:			
Required Authorizations	Printed Name	Signature	Date
Quality	Darren Marsh	(Signature on file)	3/31/05
I&T	Elliott Bloom	(Signature on file)	3/31/05
Program Office	N/A		
Systems Engineering	Pat Hascall	(Signature on file)	3/31/05
Affected S/S managers	N/A		
Instrument Scientist	Info only		
Martin Nordby	N/A		
Other	N/A		
Other	N/A		
Other	N/A		