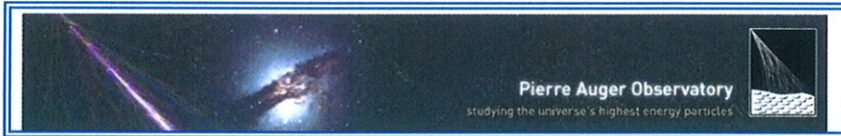




WP10	LPSC	14C
07/01/15		10/13

Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name: COLONGES Date 04/2/15	RID N°: RID-	
RID TITLE:	CDR-B-20150204-15	
AREA : Risks - Reliability		
Document title / N°-Ref / chapter / page:		
DISCREPANCY:		
<ul style="list-style-type: none"> - Risk must be organized into classes as described in 1.2.2 - Add Add paragra on reliability analysis - Derating analysis to be performed - Severity = criticality x occurrence x severity - S/W corruption: When/How to switch on mirrored memory => Avoid hang up 		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION :		
<ul style="list-style-type: none"> - organize risks - Bootstrap (hardware Automatic) when FERR conceived 		
Project Signature : Date:	Chairman Signature: Date:	



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Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name: <i>cdonges</i>	Date: <i>4/02/15</i>	RID N°: RID- <i>CDR-B-20150204-16</i>
RID TITLE: <i>Decommissioning</i>		
AREA: <i>Management</i>		
Document title / N°-Ref / chapter / page:		
DISCREPANCY: <i>- Write decommissioning plan for: -> old UB, recycling or re-use -> future electronic (VUB) (funding agencies required)</i>		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION : <i>Decommissioning plan</i>		
Project Signature : Date:	Chairman Signature: Date:	



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Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name: COLONGES Date: 04/2/15	RID N°: RID- CDR-B.20150204-17	
RID TITLE: Interfaces		
AREA :		
Document title / N°-Ref / chapter / page:		
DISCREPANCY: → Power: 16,5 W peak ⇒ what mean value? Margin? ↳ not all the components (passives...) included in this evaluation - Be careful for naming and acronymy NRU ⇒ exple: ASCII ⇒ Must be understood and common to everybody. - J21, J22, Pmt1monit, Pmt2monit J25, J26 PMTI, PMT2monit ⁴ ↳ confusion risk ⇒ "case sensitive" - Risk of connector correction to consider (Medium Priority)		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION :		
Project Signature : Date:	Chairman Signature: Date:	

(High)



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Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name. COLON GES	Date 04/2/15	RID N°: RID- CDR-B-20150204-18
RID TITLE: VOB - Power supply		
AREA : Technical		
Document title / N°-Ref / chapter / page:		
DISCREPANCY: <ul style="list-style-type: none"> - Power supply :- EMC of DC-DC converters not measured - Ripple and noise, accuracy, stability, EMI <p>Use of DC converters for analog supplies looks dangerous</p>		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION : <ul style="list-style-type: none"> - Power supply: Full test to perform (EMC, Ripple & Noise, stability...) EMI--) - Hold LDO regulation for Analog supply 		
Project Signature : Date:	Chairman Signature: Date:	



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Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name: <i>D. BRETON</i>	Date <i>04/02/15</i>	RID N°: RID- <i>CDR-B-20150204-19</i>
RID TITLE:		
AREA : <i>60 MHz filter</i>		
Document title / N°-Ref / chapter / page:		
DISCREPANCY: <ul style="list-style-type: none"> - <i>Low</i> values of components ¶ may induce variability in the filter characteristics. Was this studied? Would this have a noticeable effect (or not)? - Interference between magnetic fields of neighbour inductances? 		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION :		
Project Signature : Date:	Chairman Signature: Date:	



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07/01/15		10/13

Pierre Auger Observatory Upgrade Reviews REVIEW ITEM DISCREPANCY		SDEU CDR
ORIGINATOR name. <i>D. BRETON</i>	Date <i>04/02/15</i>	RID N°: RID- <i>CDR-B.20150204-20</i>
RID TITLE:		
AREA : <i>Front-End amplifier chain</i>		
Document title / N°-Ref / chapter / page:		
DISCREPANCY: F.E <i>Linearity measurement of the amplifier chain : no measurement shown. No proof of insensitivity to high gain saturation. No real noise measurement result shown. Many solutions presented. No real baseline.</i>		
INITIATOR RECOMMENDED SOLUTION:		
PANEL RECOMMENDATION : <i>Clearly present the options with thorough noise and linearity measurements for each (not only simulations)</i>		
Project Signature : Date:	Chairman Signature: Date:	