

TABLE: Example of a Risk Information Sheet

ID TS 001	Risk Title Chemistry DRAM		Identified 4/19/99
Priority	<p>Statement Since there are a limited number of DRAM spares between the Aqua and Aura spacecraft and Aqua is given first priority; there may be inadequate DRAM to meet the two-orbit data storage requirements for the Aura Solid State Recorder (SSR).</p>		
Probability Medium			
Impact High			
Timeframe Near Term	Submitter Name	Class	Assigned to Andrea Razzaghi
<p>Context TRW plans to meet the current two-orbit data storage requirements by augmenting the DRAM units reserved for Chemistry with DRAM units currently being reserved as PM spares. There are no more DRAM units available beyond those currently allocated for PM and Chemistry. The Common Bus SSR design is based on these 5.4V DRAM units (current technology is 3V).</p>			
<p>Mitigation Strategy A. Track the Usage and Attrition of DRAM B. Enable OMI Data Compression C. Challenge Data Storage Requirements D. Redesign SSR</p>			
<p>Contingency Plan and Trigger</p> <ul style="list-style-type: none"> Spacecraft trigger point for using mitigation B is when the amount of DRAM available for the Chemistry SSR is less than the amount required to meet the two-orbit data storage requirements without OMI data compression implemented (less than 104 Gbits). IAM trigger point is TBD. Ground system trigger point is TBS. Spacecraft trigger point for using mitigation strategy C is when the amount of DRAM available for the Chemistry SSR is less than the amount required to meet the two-orbit data storage requirements with OMI data compression implemented (100 Gbits). TRW indicates that there would be an impact to the launch date for using mitigation strategy D due to the immaturity (not flight qualified) or the alternative high-density technology. 			