These release notes contain the following:

1. Description of the Release
2. Supported Controllers
3. Enhancements and Bugfixes

1. Description of the Release:

This is the official software release containing the list of software components listed below:

- Firmware Version 5.2.0 Build 18668
- Windows Driver (32-bit and 64-bit) Version 5.2.0.18668
- SCO UnixWare and OpenServer Driver Version 5.2.0.18668
- FreeBSD Driver Version 5.2.0.18668
- Solaris Driver Version 5.2.0.18668
- Linux Driver Version 1.1.5-28700
- Adaptec Storage Manager (ASM) Version 7.30 Build 18837

2. Supported Controllers:

- Adaptec RAID 6405
- Adaptec RAID 6405E
- Adaptec RAID 6405T
- Adaptec RAID 6445
- Adaptec RAID 6805
- Adaptec RAID 6805E
- Adaptec RAID 6805T
- Adaptec RAID 6805TQ
- Adaptec RAID 6805Q

3. Enhancements and Bug Fixes:

- New Series 6 controllers released (6405T, 6805T, 6805Q, 6805TQ).
- Support for maxCache 2.0 read & write back caching (Q models).
- Big Block Cache Bypass mode for enhanced performance in data center environments.
- VMware 5.0 email notification & ARCCONF management support.
- Several enhancements made to maxCache for improved functionality.
- Fixed a BlinkLED condition during a Verify with Fix or Verify.
- Fixed a security issue with Adaptec Storage Manager under Linux.
- Fixed an issue preventing an SSD drive from being added or removed from the maxCache pool within Adaptec Storage Manager.
- Fixed an issue where a fault would occur when migrating from a RAID 5 to a RAID 6.
- Fixed an issue causing IOP resets after continuous heavy I/O.
- Fixed an issue preventing the operating system from booting curing a RAID migration on the boot array.
- Fixed an issue where the controller would stop responding when arrays were deleted in ACU with maxCache enabled.
- Fixed a BlinkLED condition when arrays and maxCache drive were moved to another controller.
- Fixed an issue creating invalid characters to be displayed within the CTRL-A utility.
- Fixed a BlinkLED condition observed during a RAID 1E expansion.
- Fixed an issue where the controller would hang if a high number of drive LEDs were blinked at once.
- Fixed an issue with the windows driver and coalescing of JBOD drives.
- Fixed a BlinkLED condition when a Verify is ran on drives after being spun down via Power Management.
- Fixed an issue where the controller would fail to start on a cold/warm boot in some PCIe Gen 2 slots.
- Fixed an issue within Adaptec Storage Manager, where RAID creation defaults were not being properly applied.
- Fixed a BlinkLED condition observed during a RAID hotplug.
- Fixed an issue with ARCCONF that prevented the full capacity of 3TB drives from being used for RAID creation.
- Fixed an issue preventing multiple arrays on the same set of drives from rebuilding when a drive member is lost.
- Fixed an issue with Adaptec Storage Manager where the SNMP service would stop running.
- Fixed a BlinkLED issue observed during a SATA drive low level format.
- Fixed an issue with Power Management where the Stay Awake start and end times were not applying correctly.
- Fixed an issue where NCQ was disabled on SATA drives behind some expanders.
- Fixed an issue preventing all drives from being initialized using ARCCONF.

====================================================================
(c) 2011 PMC-Sierra, Inc. All Rights Reserved.

This software is protected under international copyright laws and treaties. It may only be used in accordance with the terms of its accompanying license agreement.

The information in this document is proprietary and confidential to PMC-Sierra, Inc., and for its customers' internal use. In any event, no part of this document may be reproduced or redistributed in any form without the express written consent of PMC-Sierra, Inc., 1380 Bordeaux Drive, Sunnyvale, CA 94089.