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 7.4.0 Build 30862
- Windows Driver (32-bit and 64-bit) Version 7.4.0.30850
- Linux Driver Version 1.2.1-40300
- VMware Driver Version 1.2.1-40301
- maxView Storage Manager (MSM) Version 1.04 Build 20859

2. Supported Controllers:
===============================================
- Adaptec RAID 7805
- Adaptec RAID 7805Q
- Adaptec RAID 78165
- Adaptec RAID 71605
- Adaptec RAID 71605Q
- Adaptec RAID 71685
- Adaptec RAID 72405
- Adaptec RAID 8805
- Adaptec RAID 8885
- Adaptec RAID 8885Q
- Adaptec RAID 81605ZQ

3. Enhancements and Bug Fixes:
===============================================
General:
- New product release of the Series 8 Adaptec RAID Controller Family
- Added 4k native sector support
- Added two new controller modes, RAID: Expose RAW mode and RAID: Hide RAW mode
- Added Save Support Archive feature to UEFI
- Drive spinup staggering control added to CTRL-A and ARCCONF
- Added maxCache Plus support for 8Q/8ZQ

Firmware:
- Resolved an issue that could cause a controller BlinkLED during a RAID 5 expansion or migration
- Resolved an issue where USB keyboard would cease to function with Series 7 installed
- Resolved an issue where Global Hot Spare assignments when 512b and 4k drives are inter-mixed
- Resolved an issue where Host IO errors, RAID Volume state changes, non-responsive systems, and system reboots or resets in rare cases where extremely high IO loads are served almost entirely from controller cache
- Resolved an issue that could result in Host IO errors after a successful firmware flash upgrade is performed
- Resolved an issue where USB keyboard would cease to function with Series 7 installed
- Resolved an issue where maxCache read cache was disabled if no AFM was attached
- Resolved an issue where a drive could be marked offline due to excessive aborted commands
- Resolved an issue where a kernel panic could occur on the controller when large number of logical devices were configured
- Resolved an issue where a RAID 0 with a failed member would report as "Degraded" in UEFI BIOS, instead of "Offline"
- Resolved an issue where a drive that had not load controller defaults
- Resolved an issue where ARCCONF was reporting inaccurate latency values
- Fixed several incorrect statistics reported in ARCCONF Stats output
- Resolved an issue where <F6> would not load controller defaults
- Physical devices are now sorted by enclosure in UEFI HII
- Resolved an issue where drives were not detected when multiple SMC enclosures are attached
- Added support for SATA drives in Raw Mode to work in SEC4 and SEC5 security states
- Corrected an issue that would result in an error of "Not Enough Available Space" when attempting to create an array in UEFI HII
- Corrected an issue that would prevent the deletion of a RAID in UEFI HII if created in CTRL-A
- Resolved an issue preventing Windows 2012 from resuming after sleep

Driver:
- All Operating Systems:
  - 4k native sector support
  - MSIX support
  - Performance enhancements
  - Support for new Series 8 Family

- Windows changes:
  - Resolved an issue that prevented the installation of Windows 8/2012 on an RAW drive when controller set to RAID mode
  - Resolved BSOD condition when attempting sleep mode state change in Windows 8

- Linux changes:
  - Added DKMS driver support for Fedora kernel versions 3.8 and 3.9.
  - Resolved an issue where the displayed logical device name was truncated if greater than 15 characters
  - Resolved an issue where there was a discrepancy between the reported size of a logical device at creation versus what is made available to the operating system
  - Corrected an issue that would cause a kernel hang during a driver re-load
  - Corrected an issue that could cause a kernel panic under VMware (4.1/5.0/5.1/5.5) during a reboot

maxView/ARCCONF:
- Resolved an issue preventing maxView login under non-english versions of Windows

--------------------------------------------------------------------
(c) 2013 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.