

SSD のへりぐあい？

MacBook PRO にさして、半年強の SSD .
特に気にすることもなく、
各種 gcc をビルドしたり、
VMWareFusion 上で Windows 動かして WebPack で合成したり、
latex をたくさん実行したり、
プログラムデバッグ用に大量のログを吐いたり、
していたので、たまに減りが気になってはいた。
うーん、ちょっとだけ減ってはいるのかな。

システムプロファイルの結果

```
INTEL SSDSA2M160G2GC :
容量： 160.04 GB (160,041,885,696 バイト)
機種： INTEL SSDSA2M160G2GC
リビジョン： 2CV102HA
シリアル番号： CVP09293009T160AGN
ネイティブ・コマンド・キューイング： はい
キューデプス： 32
リムーバブルメディア： いいえ
取り外し可能ドライブ： いいえ
BSD 名： disk0
パーティションマップのタイプ： GPT (GUID パーティションテーブル)
S.M.A.R.T. 状況： 検証済み
ボリューム：
MacOSX :
容量： 159.7 GB (159,697,911,808 バイト)
空き領域： 57.42 GB (57,422,700,544 バイト)
書き込み可能： はい
ファイルシステム： HFS+ (ジャーナリング)
BSD 名： disk0s2
マウントポイント： /
```

smartctl の結果

```
smartctl 5.39 2009-12-09 r2995 [i386-apple-darwin10.2.0] (local build)
Copyright (C) 2002-9 by Bruce Allen, http://smartmontools.sourceforge.net

=== START OF INFORMATION SECTION ===
Device Model:     INTEL SSDSA2M160G2GC
Serial Number:    CVP09293009T160AGN
Firmware Version: 2CV102HA
User Capacity:    160,041,885,696 bytes
Device is:        Not in smartctl database [for details use: -P showall]
ATA Version is:   7
ATA Standard is:  ATA/ATAPI-7 T13 1532D revision 1
Local Time is:    Fri Feb 19 14:30:04 2010 JST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

=== START OF READ SMART DATA SECTION ===
SMART overall-health self-assessment test result: PASSED

General SMART Values:
Offline data collection status: (0x00) Offline data collection activity
was never started.
Auto Offline Data Collection: Disabled.
Self-test execution status:      ( 0) The previous self-test routine completed
without error or no self-test has ever
been run.
Total time to complete Offline
data collection:      ( 1) seconds.
Offline data collection
capabilities:         (0x75) SMART execute Offline immediate.
No Auto Offline data collection support.
Abort Offline collection upon new
```

command.
 No Offline surface scan supported.
 Self-test supported.
 Conveyance Self-test supported.
 Selective Self-test supported.
 SMART capabilities: (0x0003) Saves SMART data before entering
 power-saving mode.
 Supports SMART auto save timer.
 Error logging capability: (0x01) Error logging supported.
 General Purpose Logging supported.
 Short self-test routine
 recommended polling time: (1) minutes.
 Extended self-test routine
 recommended polling time: (1) minutes.
 Conveyance self-test routine
 recommended polling time: (1) minutes.

SMART Attributes Data Structure revision number: 5

Vendor Specific SMART Attributes with Thresholds:

ID#	ATTRIBUTE_NAME	FLAG	VALUE	WORST	THRESH	TYPE	UPDATED	WHEN_FAILED	RAW_VALUE
3	Spin_Up_Time	0x0020	100	100	000	Old_age	Offline	-	0
4	Start_Stop_Count	0x0030	100	100	000	Old_age	Offline	-	0
5	Reallocated_Sector_Ct	0x0032	100	100	000	Old_age	Always	-	0
9	Power_On_Hours	0x0032	100	100	000	Old_age	Always	-	641
12	Power_Cycle_Count	0x0032	100	100	000	Old_age	Always	-	486
192	Power-Off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	26
225	Load_Cycle_Count	0x0030	200	200	000	Old_age	Offline	-	38242
226	Load-in_Time	0x0032	100	100	000	Old_age	Always	-	8873
227	Torq-amp_Count	0x0032	100	100	000	Old_age	Always	-	1
228	Power-off_Retract_Count	0x0032	100	100	000	Old_age	Always	-	3425985169
232	Available_Reservd_Space	0x0033	100	100	010	Pre-fail	Always	-	0
233	Media_Wearout_Indicator	0x0032	099	099	000	Old_age	Always	-	0
184	End-to-End_Error	0x0033	100	100	099	Pre-fail	Always	-	0

SMART Error Log Version: 1

No Errors Logged

SMART Self-test log structure revision number 1

No self-tests have been logged. [To run self-tests, use: smartctl -t]

Note: selective self-test log revision number (0) not 1 implies that no selective self-test has ever been run

SMART Selective self-test log data structure revision number 0

Note: revision number not 1 implies that no selective self-test has ever been run

SPAN	MIN_LBA	MAX_LBA	CURRENT_TEST_STATUS
1	0	0	Not_testing
2	0	0	Not_testing
3	0	0	Not_testing
4	0	0	Not_testing
5	0	0	Not_testing

Selective self-test flags (0x0):

After scanning selected spans, do NOT read-scan remainder of disk.

If Selective self-test is pending on power-up, resume after 0 minute delay.