

# Cranbury, New Jersey Multiple Vehicle Accident HWY14MH012

Attachment 7 to Vehicle Data Recorders, Specialist's Factual Report





IMPORTANT NOTICE: Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

### **CDR File Information**

User Entered VIN	1FTFW1EF0BK
User	NONE
Case Number	NONE
EDR Data Imaging Date	
Crash Date	
Filename	1FTFW1EF0BK ACM.CDRX
Saved on	Wednesday, June 11 2014 at 16:43:43
Collected with CDR version	Crash Data Retrieval Tool 12.3
Reported with CDR version	Crash Data Retrieval Tool 12.3
EDR Device Type	Airbag Control Module
ACM Adapter Detected During	No
Download	INU
Event(s) recovered	unlocked event

## **Comments**

No comments entered.

#### **Data Limitations**

#### **Restraints Control Module Recorded Crash Events:**

Deployment Events cannot be overwritten or cleared from the Restraints Control Module (RCM). Once the RCM has deployed any airbag device, the RCM must be replaced. The data from events which did not qualify as deployable events can be overwritten by subsequent events. The RCM can store up to two deployment events.

#### **Airbag Module Data Limitations:**

- Restraints Control Module Recorded Vehicle Forward Velocity Change reflects the change in forward velocity that the sensing
  system experienced from the point of algorithm wake up. It is not the speed the vehicle was traveling before the event. Note that
  the vehicle speed is recorded separately five seconds prior to algorithm wake up. This data should be examined in conjunction
  with other available physical evidence from the vehicle and scene when assessing occupant or vehicle forward velocity change.
- Event Recording Complete will indicate if data from the recorded event has been fully written to the RCM memory or if it has been interrupted and not fully written.
- If power to the Airbaq Module is lost during a crash event, all or part of the crash record may not be recorded.
- For 2011 Ford Mustangs, the Steering Wheel Angle parameter indicates the change in steering wheel angle from the previously
  recorded sample value and does not represent the actual steering wheel position.

#### Airbag Module Data Sources:

- Event recorded data are collected either INTERNALLY or EXTERNALLY to the RCM.
  - INTERNAL DATA is measured, calculated, and stored internally, sensors external to the RCM include the following:
  - > The Driver and Passenger Belt Switch Circuits are wired directly to the RCM.
  - > The Driver's Seat Track Position Switch Circuit is wired directly to the RCM.
  - > The Side Impact Sensors (if equipped) are located on the side of vehicle and are wired directly to the RCM.
  - > The Occupant Classification Sensor is located in the front passenger seat and transmits data directly to the RCM on highspeed CAN bus.
  - > Front Impact Sensors (right and left) are located at the front of vehicle and are wire directly to the RCM.
  - EXTERNAL DATA recorded by the RCM are data collected from the vehicle communication network from various sources such as Powertrain Control Module, Brake Module, etc.

02007 RCM-RC6 r002





**System Status at Time of Retrieval** 

VIN as programmed into RCM at factory	1FTFW1EF0BK
Current VIN from PCM	1FTFW1EF0BK
Ignition cycle, download (first record)	12,982
Ignition cycle, download (second record)	N/A
Restraints Control Module Part Number	BL34-14B321-FB
Restraints Control Module Serial Number	3138451300000000
Restraints Control Module Software Part Number (Version)	BB5T-14C028-AD
Left/Center Frontal Restraints Sensor Serial Number	1456CBBA
Left Side Restraint Sensor 1 Serial Number	5A824902
Left Side Restraint Sensor 2 Serial Number	144AE904
Right Frontal Restraints Sensor Serial Number	14568CC1
Right Side Restraint Sensor 1 Serial Number	B2331602
Right Side Restraints Sensor 2 Serial Number	14548D9D

**System Status at Event (First Record)** 

Recording Status	Unlocked Record
Complete file recorded (yes,no)	Yes
Multi-event, number of events (1,2)	1
Time from event 1 to 2 (msec)	N/A
Lifetime Operating Timer at event time zero (seconds)	13,856,360
Key-on Timer at event time zero (seconds)	1,955
Vehicle voltage at time zero (Volts)	12.879
Energy Reserve Mode entered during event (Y/N)	No





# **Faults Present at Start of Event (First Record)**

No Faults Recorded





**Deployment Data (First Record)** 

Maximum delta-V, longitudinal (MPH [km/h])	2.94 [4.73]
Time, maximum delta-V longitudinal (msec)	85
Maximum delta-V, lateral (MPH [km/h])	-1.51 [-2.43]
Time, maximum delta-V lateral (msec)	252
Longitudinal Delta-V Time Zero Offset	8.5 ms
Lateral Delta-V Time Zero Offset	8.5 ms
Roll Angle Time Zero Offset	58.5 ms





# Pre-Crash Data -1 sec (First Record)

Ignition cycle, crash	12,968
Frontal air bag warning lamp, on/off	Off
Occupant size classification, front passenger (Child size Yes/No [Hex value])	No [\$08]
Safety belt status, driver	Driver Buckled
Seat track position switch, foremost, status, driver	Not Forward
Safety belt status, front passenger	Passenger Buckled
Brake Telltale	Off
ABS Telltale	Off
Powertrain Wrench Telltale	Off
Speed Control Telltale	Off
MIL Telltale	Off





Pre-Crash Data -5 to 0 sec [2 samples/sec] (First Record)

Times (sec)	Speed vehicle indicated MPH [km/h]	Accelerator pedal, % full	Service brake, on/off	Engine RPM	ABS activity (engaged, non-engaged)	Brake Powertrain Torque Request	Driver Gear Selection
- 5.0	1 [2]	0.0	On	518	non-engaged	No	Drive
- 4.5	1 [2]	0.0	On	522	non-engaged	No	Drive
- 4.0	1 [2]	0.0	On	522	non-engaged	No	Drive
- 3.5	1 [1]	0.0	On	524	non-engaged	No	Drive
- 3.0	0 [0]	0.0	On	516	non-engaged	No	Drive
- 2.5	0 [0]	0.0	On	516	non-engaged	No	Drive
- 2.0	0 [0]	0.0	On	518	non-engaged	No	Drive
- 1.5	0 [0]	0.0	On	520	non-engaged	No	Drive
- 1.0	0 [0]	0.0	On	524	non-engaged	No	Drive
- 0.5	0 [0]	0.0	Off	524	non-engaged	No	Drive
0.0	0 [0]	22.5	Off	512	non-engaged	No	Drive



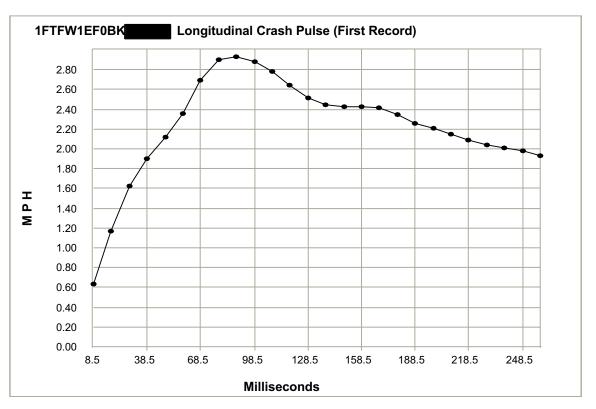


Pre-Crash Data -5 to 0 sec [10 samples/sec] (First Record)

Pre-Cra	Pre-Crash Data -5 to 0 sec [10 samples/sec] (First Record)					
		Stability	Stability			
	Steering	Control	Control	Stability	Stability	
Times	Wheel Angle	Lateral	Longitudinal	Control Yaw	Control Roll	
(sec)	(degrees)	Acceleration	Acceleration	Rate (deg/sec)	Rate (deg/sec)	
	(409.000)	(g)	(g)	rtate (aeg/eee/	rtate (aegrees)	
- 5.0	7.3	0.007	-0.025	0.0	0.37	
- 4.9	7.5	0.003	-0.025	0.12	0.37	
- 4.8	7.5	0.003	-0.018	0.0	0.12	
- 4.7	7.5	0.005	-0.033	0.0	0.5	
- 4. <i>1</i> - 4.6	7.5	0.008	-0.033	0.0	0.5	
- 4.0 - 4.5	7.3	0.006	-0.052	0.0	0.37	
- 4.5 - 4.4	7.3	0.008	-0.062	0.0	0.25	
- 4.3	6.8	0.009	-0.062	-0.12	0.0	
- 4.3	5.8	0.009	-0.059	0.25	0.0	
- 4.2 - 4.1	5.3	0.003	-0.064	0.0	0.37	
- 4.1	4.8	0.003	-0.059	0.62	0.5	
- 3.9	4.8	0.002			0.5	
- 3.8	4.8	0.012	-0.057 -0.054	0.0 0.12	0.25	
- 3.6	4.8	0.008	-0.034	0.0	0.25	
- 3.6	4.8		-0.047	0.0	0.23	
- 3.5	4.8	0.012 0.006	-0.047	0.25	0.5	
					0.25	
- 3.4	4.8	0.002	-0.052	0.0		
- 3.3	4.8	0.003	-0.054	0.0	0.25	
- 3.2	4.8	0.008	-0.044	0.0	0.5	
- 3.1 - 3.0	4.5 4.5	0.007	-0.057	0.0	0.62 0.5	
	4.5	0.004	-0.049	0.25 -0.25		
- 2.9	4.5	0.012	-0.052		0.37 0.5	
- 2.8 - 2.7	4.5	0.009	-0.042 -0.04	0.12 0.62	0.37	
- 2. <i>1</i> - 2.6	4.5	0.008	-0.042	0.62	0.25	
- 2.5	4.8	0.004	-0.042	-0.12	0.75	
- 2.5 - 2.4	4.8	0.007	-0.025	0.12	0.62	
- 2.4	4.5	0.007	-0.023	0.25	0.5	
- 2.3	4.3	0.01	-0.003	-0.12	0.62	
- 2.1	4.3	0.004	-0.015	0.0	0.5	
- 2.1	4.0	0.012	-0.013	0.12	0.62	
- 1.9	4.0	0.008	-0.013	0.37	0.5	
- 1.8	4.0	0.000	-0.025	0.0	0.25	
- 1.7	4.0	0.007	-0.008	0.37	0.37	
- 1. <i>1</i>	4.0	0.007	-0.008	0.37	0.37	
- 1.5	4.0	0.01	-0.010	-0.12	0.5	
- 1.4	4.3	0.012	-0.018	0.0	0.75	
- 1.3	4.0	0.008	-0.013	0.12	0.75	
- 1.2	4.0	0.008	-0.015	0.0	0.5	
- 1.1	4.0	0.007	-0.02	0.12	0.5	
- 1.0	4.0	0.007	-0.023	0.0	0.5	
- 0.9	4.0	0.003	-0.023	0.12	0.62	
- 0.8	4.0	0.008	0.0	0.12	0.25	
- 0.7	4.0	0.009	0.004	0.0	0.5	
- 0.6	4.5	0.017	0.012	0.0	0.0	
- 0.5	4.0	0.008	0.007	0.0	0.62	
- 0.4	18.0	0.0	0.012	0.0	0.5	
- 0.4	35.0	0.002	0.012	0.0	0.75	
- 0.2	54.5	0.022	0.012	0.0	1.0	
- 0.2	64.3	0.009	0.007	0.25	0.5	
0.0	63.3	-0.324	2.0	-2.62	2.5	
0.0	00.0	-0.324	∠.∪	-2.02		





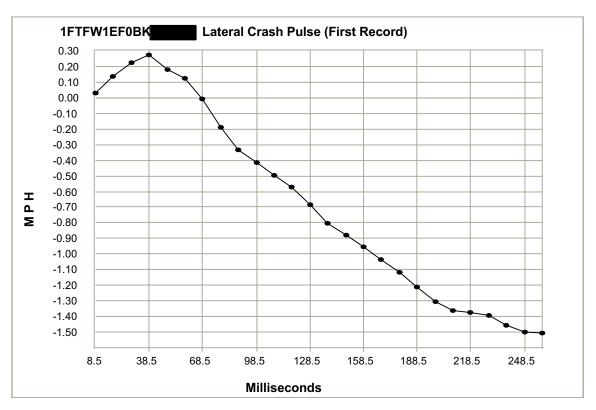


**Longitudinal Crash Pulse (First Record)** 

Time (msec)	Delta-V, longitudinal (MPH)	Delta-V, longitudinal (km/h)
8.5	0.63	1.01
18.5	1.16	1.87
28.5	1.63	2.62
38.5	1.90	3.06
48.5	2.12	3.42
58.5	2.36	3.80
68.5	2.69	4.33
78.5	2.90	4.67
88.5	2.93	4.71
98.5	2.88	4.64
108.5	2.78	4.47
118.5	2.64	4.25
128.5	2.52	4.05
138.5	2.45	3.94
148.5	2.42	3.90
158.5	2.43	3.91
168.5	2.42	3.89
178.5	2.35	3.77
188.5	2.26	3.64
198.5	2.20	3.55
208.5	2.15	3.46
218.5	2.09	3.37
228.5	2.04	3.29
238.5	2.01	3.23
248.5	1.98	3.18
258.5	1.93	3.10





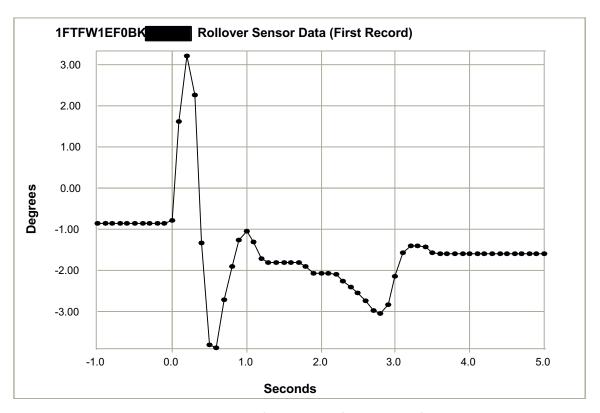


**Lateral Crash Pulse (First Record)** 

Time (msec)	Delta-V, lateral (MPH)	Delta-V, lateral (km/h)
8.5	0.03	0.05
18.5	0.14	0.22
28.5	0.23	0.37
38.5	0.28	0.44
48.5	0.18	0.29
58.5	0.12	0.20
68.5	-0.01	-0.01
78.5	-0.19	-0.31
88.5	-0.33	-0.53
98.5	-0.41	-0.67
108.5	-0.49	-0.80
118.5	-0.57	-0.92
128.5	-0.68	-1.10
138.5	-0.80	-1.29
148.5	-0.88	-1.42
158.5	-0.95	-1.53
168.5	-1.04	-1.67
178.5	-1.11	-1.79
188.5	-1.21	-1.95
198.5	-1.30	-2.10
208.5	-1.36	-2.19
218.5	-1.38	-2.21
228.5	-1.39	-2.24
238.5	-1.45	-2.34
248.5	-1.50	-2.41
258.5	-1.51	-2.42







## Rollover Sensor Data (First Record)

Time (sec)	Vehicle roll angle (degrees)
-1.0	-0.86
-0.9	-0.86
-0.8	-0.86
-0.7	-0.86
-0.6	-0.86
-0.5	-0.86
-0.4	-0.86
-0.3	-0.86
-0.2	-0.86
-0.1	-0.86
0.0	-0.78
0.1	1.62
0.2	3.2
0.3	2.26
0.4	-1.32
0.5	-3.8
0.6	-3.88
0.7	-2.72
0.8	-1.91
0.9	-1.26
1.0	-1.05

Time (sec)	Vehicle roll angle (degrees)
1.1	-1.3
1.2	-1.71
1.3	-1.81
1.4	-1.81
1.5	-1.81
1.6	-1.81
1.7	-1.81
1.8	-1.9
1.9	-2.06
2.0	-2.07
2.1	-2.07
2.2	-2.09
2.3	-2.26
2.4	-2.4
2.5	-2.54
2.6	-2.74
2.7	-2.97
2.8	-3.03
2.9	-2.82
3.0	-2.15
3.1	-1.57

Time (sec)	Vehicle roll angle (degrees)
3.2	-1.42
3.3	-1.42
3.4	-1.43
3.5	-1.56
3.6	-1.59
3.7	-1.59
3.8	-1.59
3.9	-1.59
4.0	-1.59
4.1	-1.59
4.2	-1.59
4.3	-1.59
4.4	-1.59
4.5	-1.59
4.6	-1.59
4.7	-1.59
4.8	-1.59
4.9	-1.59
5.0	-1.59





## **Hexadecimal Data**

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

00	00	00	00																				
42	4C	33	34	2D	31	34	42	33	32	31	2D	46	42	00	00	00	00	00	00	00	00	00	00
33	31	33	38	34	35	31	33	30	30	30	30	30	30	30	30								
42	42	35	54	2D	31	34	43	30	32	38	2D	41	44	00	00	00	00	00	00	00	00	00	00
14	56	СВ	ВА	00	00	00	00	00	00	00	00	00	00	00	00								
5A	82	49	02	00	00	00	00	00	00	00	00	00	00	00	00								
14	4A	E9	04	00	00	00	00	00	00	00	00	00	00	00	00								
14	56	8C	C1	00	00	00	00	00	00	00	00	00	00	00	00								
В2	33	16	02	00	00	00	00	00	00	00	00	00	00	00	00								
14	54	8D	9D	00	00	00	00	00	00	00	00	00	00	00	00								
31	46	54	46	57	31	45	46	30	42	4B	44	36	38	35	38	34							
31	46	54	46	57	31	45	46	30	42	4B	44	36	38	35	38	34	00	00	00	00	00	00	00





Event Record 1 A8 32 00 00 B6 32 00 00 48 49 2A 00 87 01 00 00 C8 F5 FF FF C2 FA FF FF 7A 60 E2 FF 18 AE 1D 00 E1 FE FF FF 55 9D 1D 00 7A 9B 1D 00 DD 99 1D 00 E9 98 1D 00 24 98 1D 00 52 97 1D 00 29 96 1D 00 71 95 1D 00 57 95 1D 00 7E 95 1D 00 DD 95 1D 00 56 96 1D 00 1D 00 1A 97 1D 00 14 97 1D 00 1E 97 1D 00 5E 97 1D 00 01 97 1D 00 A8 97 1D 00 97 1D 00 0A 98 1D 00 3E 98 1D 00 6C 98 1D 00 8C 98 1D 00 A5 98 1D 00 D1 98 1D 00 03 52 E2 FF 62 52 E2 FF B2 52 E2 FF DD 52 E2 FF 8A 52 E2 FF 54 52 E2 FF E0 51 E2 FF 3F 51 E2 FF C1 50 E2 FF 77 50 E2 FF 30 50 E2 FF E9 4F E2 FF 88 4F E2 FF 1E 4F E2 FF D7 4E E2 FF 98 4E E2 FF 4E 4E E2 FF 08 4E E2 FF B3 4D E2 FF 60 4D E2 FF 2B 4D E2 FF 11 4D E2 FF DA 4C E2 FF B2 4C E2 FF AB 4C E2 FF 64 FA 01 FA 71 F9 CE F8 4D E2 FF 28 FD 28 FD 1E FD BE FC AB FC AB FC AB FC AB FC AB FC A1 F8 37 F9 1A FB BA FC AB FC AB FC AC FC B7 FE F1 FE A6 05 15 0A 71 07 6B FD 78 F6 45 F6 81 F9 C9 FB 98 FD 31 FE 7C FD 57 FC 0A FC 0A FC 0C FC 0C FC 0F FB 5B FB 50 FB 50 FB 45 FB CD FA AB 3E A8 3E AD 3E A8 3E 34 3F DE 3F A1 40 03 41 F9 40 C9 3E CB 3E CB 3E CB 3E CB 3E C9 3E C9 3E C4 3E BA 3E B5 3E B0 3E B0 3E BO 3E AD 3E BO 3E 3E AD 3E AB 3E AB 3E A8 3E A8 3E A8 3E A8 3E A8 3E A8 3E BE 07 C3 07 C6 07 BC 07 07 A4 07 9C 07 92 07 92 07 95 07 90 07 95 07 97 07 9A 07 A1 07 A1 07 A4 07 9C 07 9A 07 A4 07 97 07 9F 07 9C 07 A6 07 A8 07 A6 07 A4 07 B7 07 CD 07 C3 07 C1 07 C3 07 B9 07 BC 07 C8 07 BE 07 C6 07 DC 07 D8 07 D8 07 D7 D7 D3 07 DE 07 D8 07 D9 07 E1 07 D8 07 D0 07 D2 07 E6 07 D9 07 8C 06 D7 07 D3 07 DC 07 D5 07 D8 07 D6 07 DA 07 D9 07 D6 07 D3 07 D2 07 DC 07 DE 07 D8 07 DC 07 D6 07 D2 07 D3 07 D8 07 D7 07 D4 07 DC 07 D9 07 D8 07 D4 07 DA 07 D7 07 DA 07 DA 07 D4 07 DC 07 D8 07 DC 07 D7 D7 07 D7 07 DA 07 50 46 5C 46 50 46 5C 46 50 46 5C 46 5C 46 5C 46 5C 46 5O 46 5O 46 5O 46 5O 46 5O 46 69 46 4A 45 50 46 5C 46 50 46 50 46 75 46 50 46 50 46 44 46 69 46 50 46 8E 46 50 46 5C 46 50 46 69 46 75 46 50 46 50 46 50 46 50 46 69 46 37 46 5C 46 8E 46 8E 46 44 46 5C 46 69 46 44 46 50 46 5C 46 75 46 50 46 75 46 75 46 44 46 7B 75 49 75 62 75 62 75 62 75 6E 75 49 75 62 75 30 75 6E 75 62 75 7В 75 94 75 62 75 2A 76 55 75 55 75 3C 75 62 75 75 75 75 62 75 62 75 49 75 49 75 55 75 62 75 55 75 49 75 49 75 49 75 62 30 55 55 75 6E 75 62 75 55 75 62 75 49 75 7B 75 6E 75 62 75 6E 75 62 75 6E 75 62 75 62 75 55 49 00 00 00 00 FF 00 00 00 00 11 00 11 00 75 00 38 BA BF 33 00 00 00 01 03 00 00 80 78 00 01 00 03 3F 00 00 00 00 01 04 00 00 80 7F 00 01 00 03 00 38 BA BF 3F 00 00 00 00 00 38 BA BF 01 06 00 00 80 79 00 01 00 03 00 38 BA BF 3F 00 00 00 00 01 06 00 00 80 7B 00 00 00 03 00 38 BA BF 4B 00 23 00 E1 01 00 00 00 80 81 00 00 03 00 38 BA BF 1B 01 1E 00 00 01 03 00 00 80 66 00 01 00 03 00 38 BA BF 1B 01 0E 00 00 01 05 00 00 80 65 00 01 00 03 00 38 BA BF 1B 00 D2 00 00 01 05 00 00 80 6C 00 01 00 03 00 38 BA BF 27 00 8F 00 00 01 06 00 00 80 6E 00 01 00 03 00 38 BA BF 27 00 54 00 00 01 02 00 00 80 74 00 00 03 00 33 00 2E 00 00 01 02 00 00 80 7C 00 01 00 03 00 00 00 00 00 38 BA BF 00 14 09 00 00 00 00 00 01 14 09 00 00 00 00 14 09 00 00 00 14 09 00 00 00 00 00 14 09 00  $00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00$ 00 14 09 00 00 00 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 00 00 00 00 00 00 14 09 00 00 00 00 00 00 14 09 00 00 00 00 00 14 09 00 14 09 00  $00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00 \ 14 \ 09 \ 00 \ 00 \ 00 \ 00$ 00 14 09 00 00 00 00 00 00 14 09 00 00 00 00 14 09 00 00 00 00 14 09 00 00 00 00 00 14 09 00 00 00 00 00 00 00 00 00 00 00 00 03 00 01 00 01 02 00 08 00 00 9F 00 00 00 05 0F 1B FF FF FF FF FF FF FF FF FFFFFF FF FF FF FF FF FFFF FFFFFF FF यय यय FF FFFF FFFF FFFFFFFFFF FF नन नन नन FF FF **44 44** FF FF FF FF FF FF FF FF FFFF FF FFFF FFFF FFFF FF FFFF FFFF FF FF FF FF FF Printed on: Wednesday, June 11 2014 at 16:44:59





FF FFFFFF FF यत यत यत यत यत FF नन नन नन पप पप FF ŦŦ यम यम वर वर वर FF यय यय FF FFFF नन नन नन नन FF यय यय FF ਸਸ FF FF FF FF 모모 ਸੁਸ 모모 FF पप पप FF FFFF FF FFFF FF FF FF FF FF FF FFFF FF FF FF FFFFFF FF FF FF FF FF FF FF FFFF FF ਜੁਸ ਜੁਸ FF FF यस यस यस यस यस FF नन नन 무모 FF 모모 모모 पप पप TT TT TT TT TT TT ਜਬ FF FFFF FF FF FF FF FF FF FF FFFF FF FF FF FFFF FFFF FF नन नन FF यय यय 모모 FF नन नन FF FFFFFF FF FF FFFF FF FFFFFFFFFF FF FF FFFF FFFF FF FF FF FF FFFF FF FFFF नन नन FF FF **44 44 44 44 44** FF ਸ਼ਸ FF पप पप FF 모모 FF 모모 FF FFFF FF FF FF FF FF FFFFFFFFFF FFFFFFFF FF FF FF FFFF FF FFFF FF FFFF यय यय FF FF FF FF FF FFFFFFFFFFFF FF FFFF FF FFFF FF FF FFFF FF FF FF FF FF FF FFFF FF FF FF FF FF FFFFFF FF यय यय यय यय 모모 FF FF 모모 FF FF 모모 FF FFFFFF FF नन **44 44** FF ਜਜ 77 TT FFFFFFFFFFFFFFFF FF무무 무무 FF FF FF FF FFFFFFFF FFFF FF FF FF FF FFFFFF **44 44 44 44 44** FF FFFFFF FF नन नन FF FF FF FF FF FFFFFFFFFF FF FF FF FF FF FFFF FF FF FF FF FF FF FFFF FFFF FF FF FF FFਜਜ FF FF FF ŦŦ पप पप FF ਸਸ FF FF ਜਜ FF FFFFFF FF FF FF FF FF FF नन नन नन FF यय यय 모모 FF 모모 FF 모모 ਸਸ 모모 FF ਸ਼ਸ਼ FF FF FF FF 모모 모모 FF FF 모모 모모 यय यय वय यय यय FF FFFF FF FFFFFFनन नन FFFFFF FF FF FF FF FF FF FF FFFF FF FF FF FF FF FFFF FFयय यय FF Printed on: Wednesday, June 11 2014 at 16:44:59 1FTFW1EF0BK Page 13 of 17









Event Record 2 FF FFपप पप **44 44 44** FF FF FF FF FF FF FF FF नन नन नन नन नन नन 77 77 FF FF FF ŦŦ यम यम FF यय यय FF पत पत नन नन FF यय यय FF ਸਸ FF ਸਸ FF FF 모모 FF ਸ਼ਸ਼ 모모 FF पप पप FF FFFF FF FFFFFF FF FF FF FF FF FFFF FF FF FF FF FF FF FFFF FF FF FF FF FF FFFF FF FF 모모 FF FF यय यय यय यय FF 모모 यय यय 무모 FF 모모 모모 FF FF TT TT TT TT TT TT ਜਬ FF FFFF FF FF FF FF FF FFFF FF FF FF FF FF FF FF FF FF FFFF FF पप पप FF यय यय 모모 FF 모모 FF FF FF FF FF FF FFFF FF नन नन FF FFFF FF FFFFFF FFFFFFFF FFFF FF FF FF FF FFFF FF FF FF FF FFFFFF FF FFFF नन नन FF FF FF पप पप **44 44 44** नन नन FFFF FF FF FF FF यय यय ਸ਼ਸ FF FF ਜੁਸ 모모 FF 모모 यय यय यय यय FF FFFFFF FF FF FF FF FF FF FFFFFF FF FF FF FF FFFF FF FFFF यय यय FF FF FF FF FF FFFFFFFFFFFF FF FFFF FFFF FF FF FF FF FF FF FF FF FFFF FF FF FF FFFF FFFFFF FF यय यय यय यय 모모 FF FF FF FF FF 모모 FF FFFFFF FF TT **44 44** FF ਜਜ 77 TT FFFF FFFFFFFFFFFFFFFF무무 무무 FF FF FF FF FFFFFF FF FFFF FF FF FF FFFFFF पन पन पन पन FF FFFFFF FF नन नन FF FF FF FF FF FF FFFFFF FF FF FFFF FF FFFFFFFF FF FF FF FF FF FFFF FFFF FF FFFF FFਜਜ FF FF FF ŦŦ प्रच प्रच FF FF FF FF ਜਜ FF नन नन नन FF यय यय 모모 FF 모모 FF 모모 FF 모모 FF ਸ਼ਸ਼ FF FF 모모 모모 FF FF 모모 모모 यय यय वय यय यय FF FFFF FF FFFFFF नन नन FFFFFFFF FF FF FF FF FF FF FF FF FF FFFF FF FF FF FF FFFF FFयय यय FF Printed on: Wednesday, June 11 2014 at 16:44:59 1FTFW1EF0BK Page 15 of 17





FF FFFF FF नन नन नन नन FF **44 44 44** पप पप FF FF ŦŦ यम यम वर वर वर FF यय यय FF FFFF नन नन नन नन FF यय यय FF FF FF FF ਸਸ FF 모모 ਸ਼ਸ਼ 모모 FF पप पप FF FFFF FF FFFF FF FF FF FF FF FF FFFF FF FF FF FFFFFF FF FF FF FF FF FF FF FFFF FF ਜੁਸ ਜੁਸ FF FF यस यस यस यस यस FF नन नन 무모 FF 모모 모모 पप पप TT TT TT TT TT TT ਜਬ FF FFFF FF FF FF FF FF FFFFFF FF नन नन FF यय यय 모모 FF नन नन FF FFFFFF FF FF FFFF FF FFFFFFFFFF FF FF FFFF FFFF FF FF FF FF FFFF FF FFFF नन नन FF FF **44 44 44 44 44** FF ਸ਼ਸ यत यत यत FF 모모 FF 모모 FF FFFFFFFFFF FFFFFFFF FF FF FF FFFF FF FFFF FF FFFF यय यय FF FF FF FF FF FFFFFFFFFFFF FF FFFF FF FFFF FF FFFF FF FF FF FF FF FFFFFF FF यय यय यय यय 모모 FF FF 모모 FF FF FF FF FFFFFF FF TT **44 44** FF ਜਜ 77 TT FFFFFFFFFFFFFFFF FF 무무 무무 FF FF FF FF FFFFFFFF FFFF FF FF FF FF FFFFFF **44 44 44 44 44** FF FFFFFF FF नन नन FF FF FF FF FF FFFFFFFFFF FF FF FF FF FF FFFF FF FF FF FF FF FF FFFF FFFF FF FF FF FFਸਸ FF FF FF ŦŦ पप पप FF पप पप FF ਜਜ FF FFFFFF FF FF FF FF FF FF नन नन नन FF यय यय 모모 FF 모모 FF 모모 ਸਸ 모모 FF ਸਸ FF FF FF FF 모모 모모 FF FF 모모 모모 यय यय वय यय यय FF FFFF FF FF FF FF FFFF FF FF FF FF FF FF FFFFFFनन नन FFFFFF FF FF FF FF FF FF FF FFFF FF FF FF FF FF FFFF FFयय यय FF Printed on: Wednesday, June 11 2014 at 16:44:59 1FTFW1EF0BK Page 16 of 17





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