

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4329 - L2 Version 3
Chandra X-Ray Center

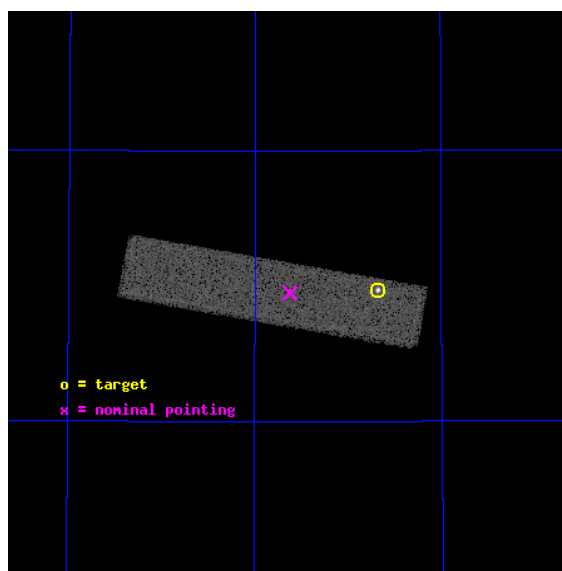
L2 Processing Date : Nov 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

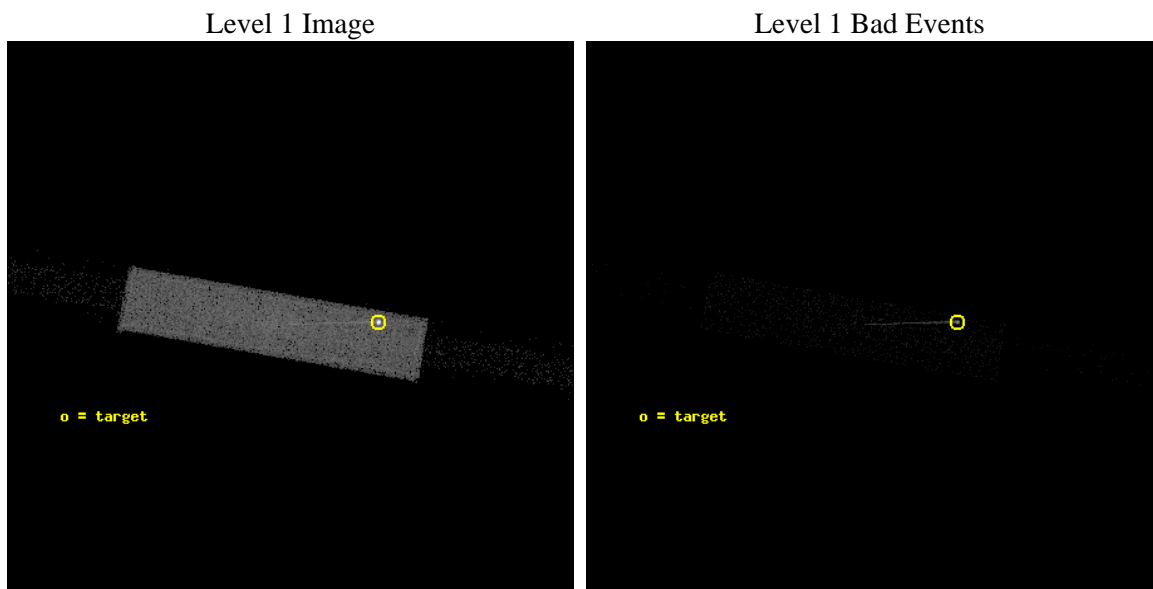
seq_num	290289	Sequence number
obs_id	4329	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.40625360878	Nominal RA [deg]
dec_nom	45.737861758683	Nominal Dec [deg]
roll_nom	189.7842015574	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062988937	[s]
livetime	1136.348374723	Ontime multiplied by DTCOR
l2events	40380	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062988937	[s]
caldbver	4.5.2	 	l1events	66757	Number of level 1 events
date	2012-11-02T16:31:50	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

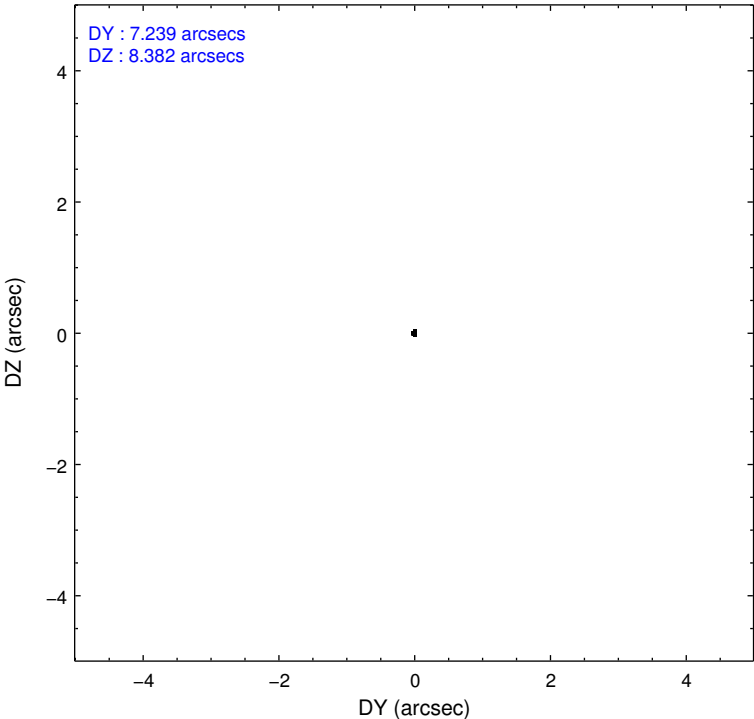
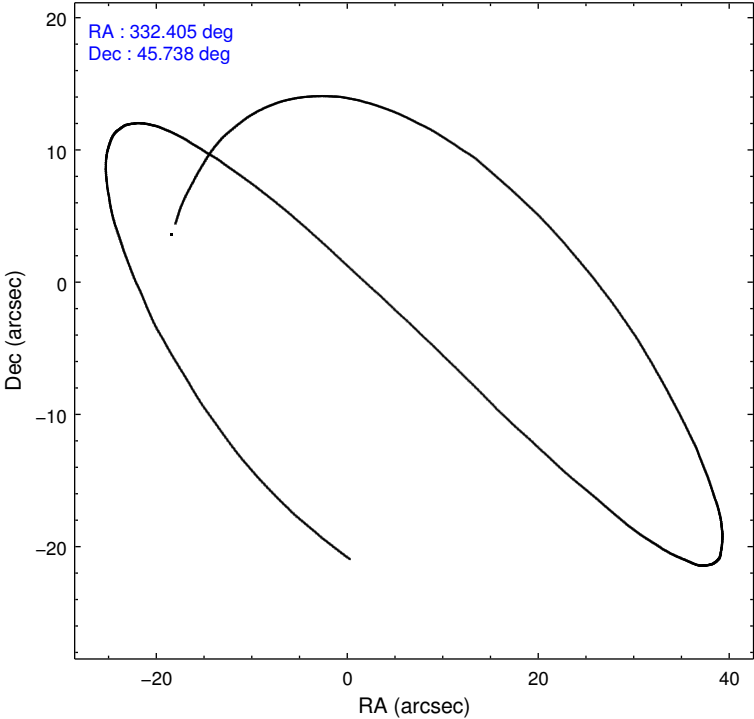
Level 1 Events

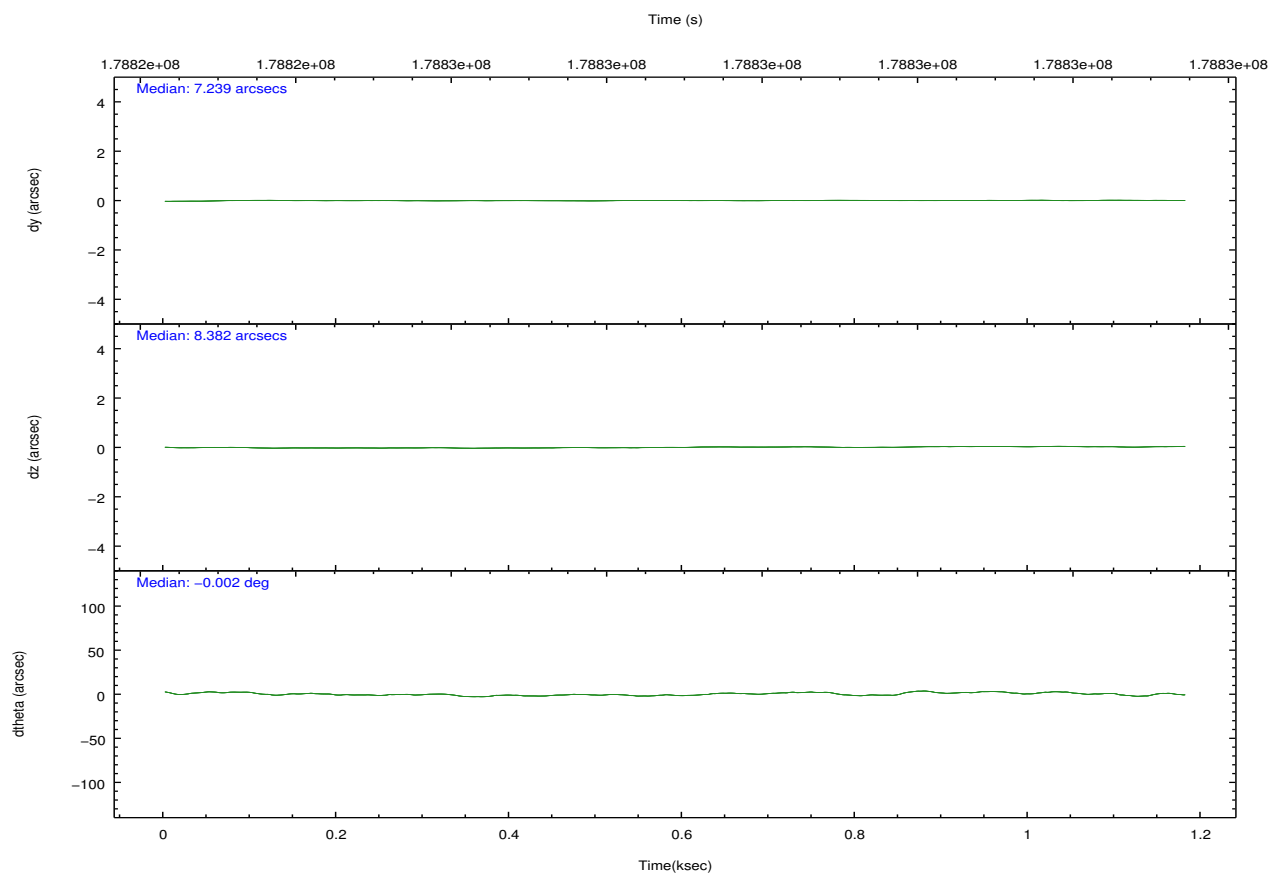
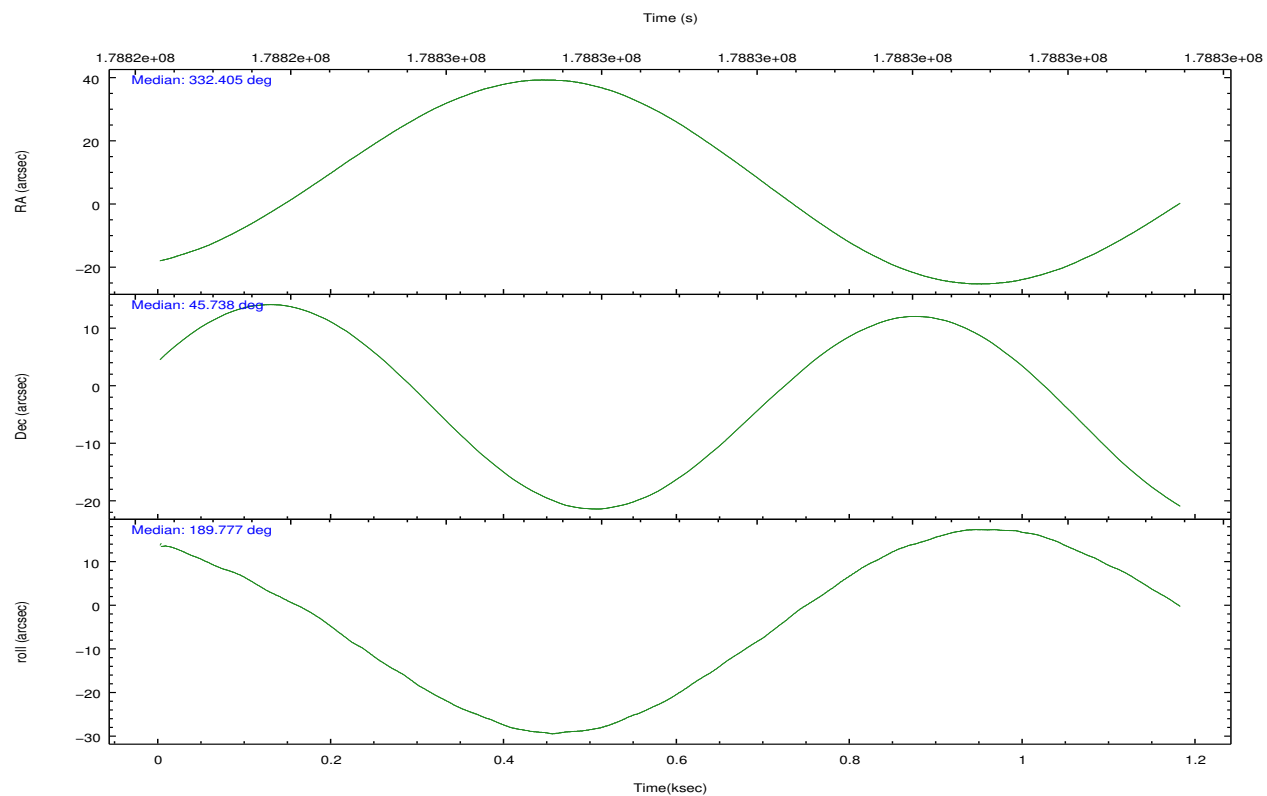
	segment 1	segment 2	segment 3
level 1 events	1072	64581	1104
rejected events	1072	14883	1104
rejected %	100%	23%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.436977	332.4062536087844			
[deg] Pointing Dec	45.756523	45.73786175868282			
[deg] Pointing Roll	189.694851	189.7842015574013			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	178825078.184000	178824702.64569			
Observation start date	2003-09-01T17:36:54	2003-09-01T17:31:42			
[s] Observation end time (MET)	178826078.184000	178826212.47075			
Observation end date	2003-09-01T17:53:34	2003-09-01T17:56:52			

2.3 Aspect



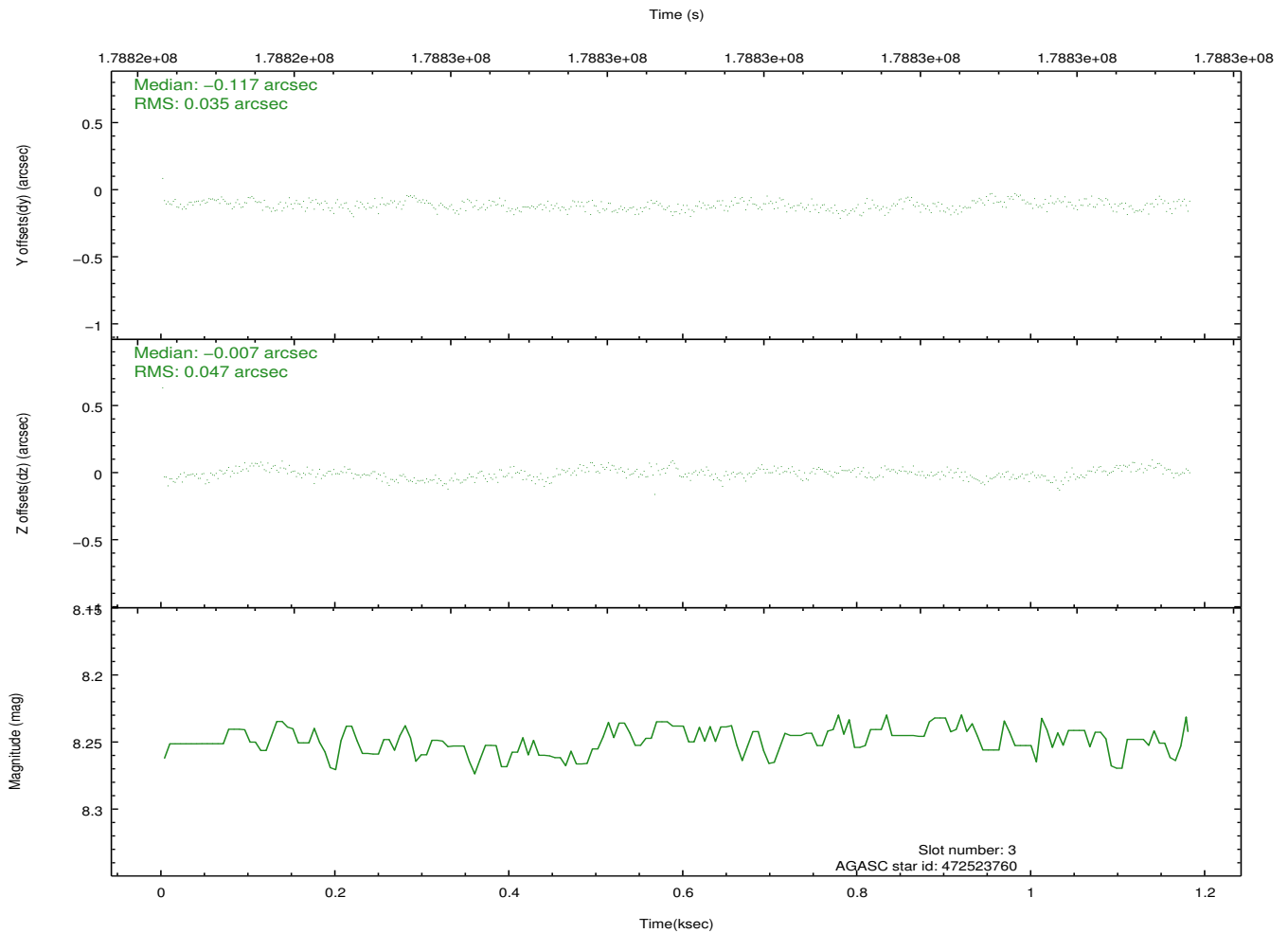
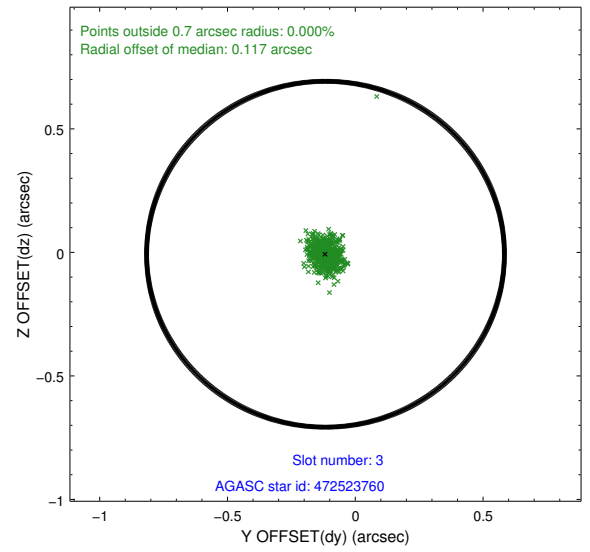
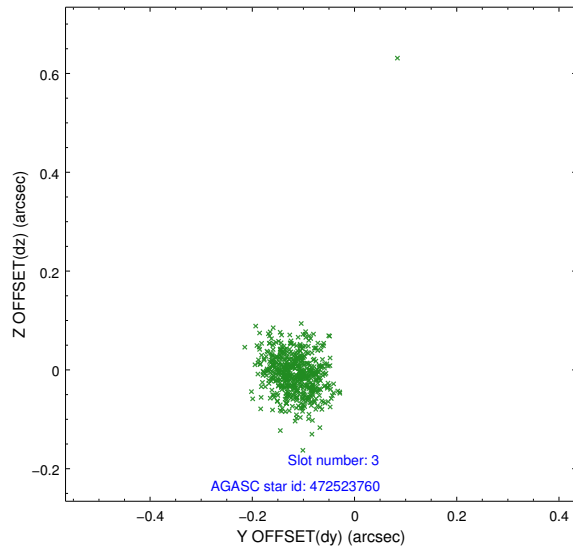


Slot Statistics

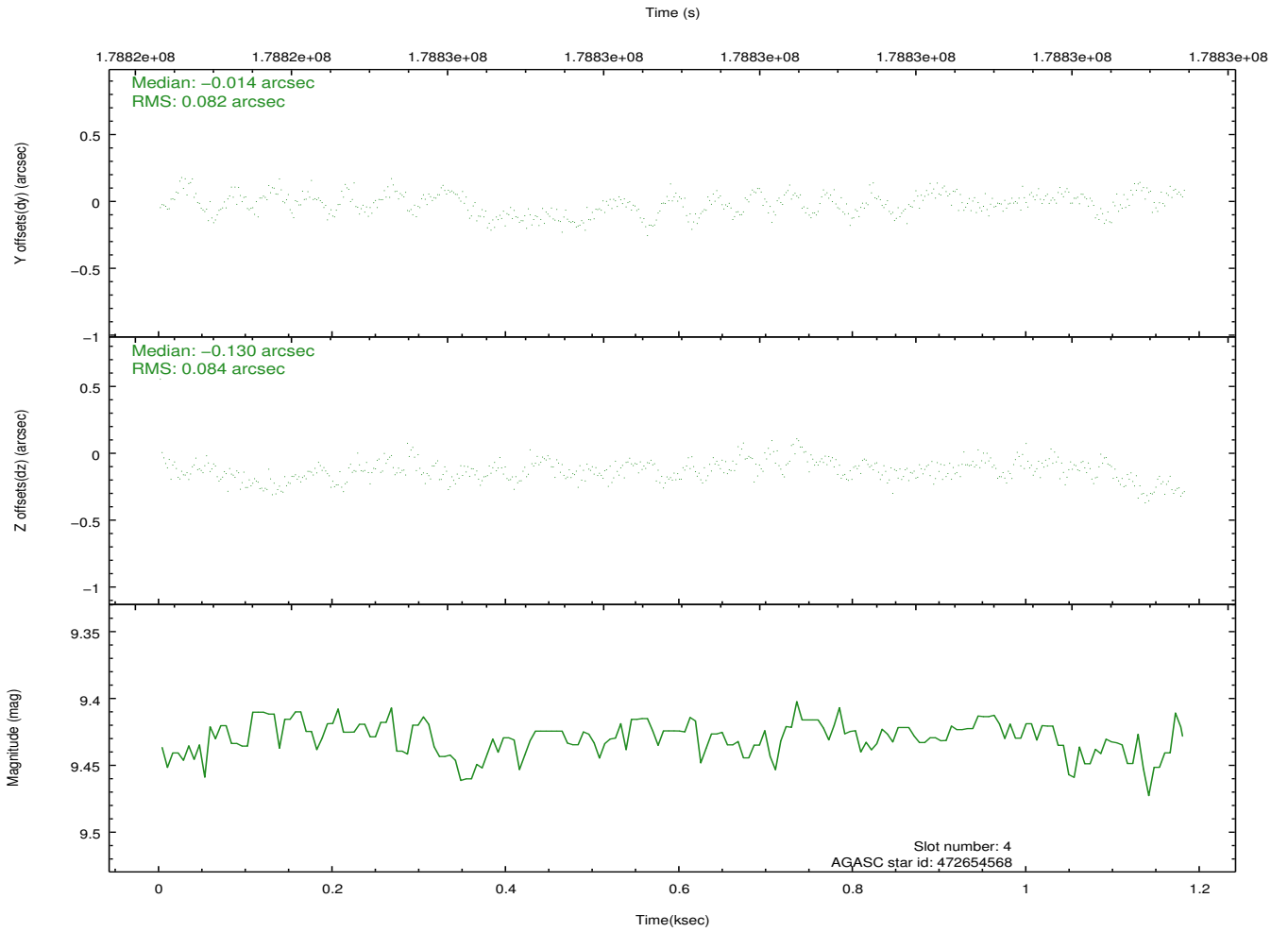
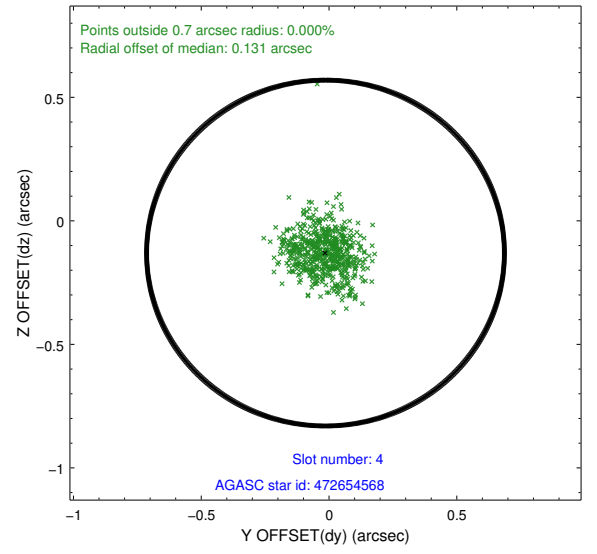
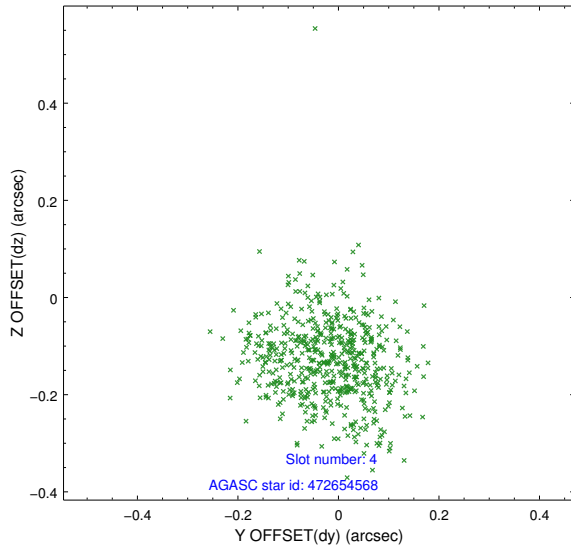
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	288	0.113	-0.136	0.007	0.012	0.000000	0.000000	-1161.43	-456.97
1	FID	HRC-S-3	7.03	288	0.069	-0.068	0.009	0.014	0.000000	0.000000	-1168.20	571.04
2	FID	HRC-S-4	6.99	288	0.206	-0.093	0.006	0.011	0.000000	0.000000	1232.89	577.09
3	GUIDE	472523760	8.25	577	-0.117	-0.007	0.055	0.090	331.645363	45.403260	2183.93	910.12
4	GUIDE	472654568	9.43	577	-0.014	-0.130	0.125	0.192	332.194449	45.063576	1030.63	2358.69
5	GUIDE	472655152	9.45	577	0.150	0.045	0.104	0.171	332.504239	45.862991	-229.47	-342.48
6	GUIDE	472659832	9.47	576	0.006	0.053	0.094	0.158	332.780399	46.098139	-1053.40	-1067.53
7	GUIDE	472533912	9.17	576	-0.012	0.032	0.104	0.169	331.791136	46.368695	1207.11	-2447.70

2.4 Star Slots

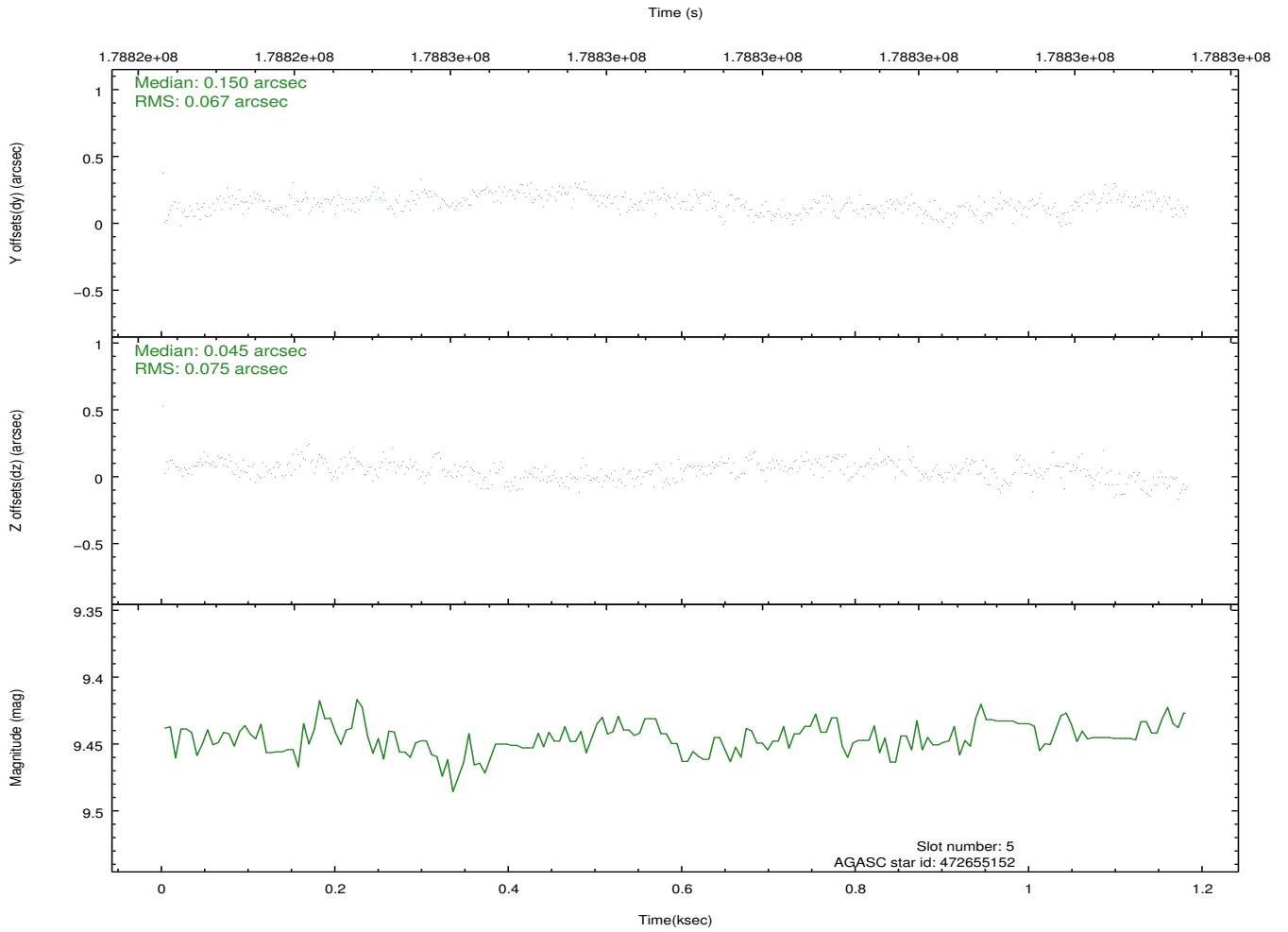
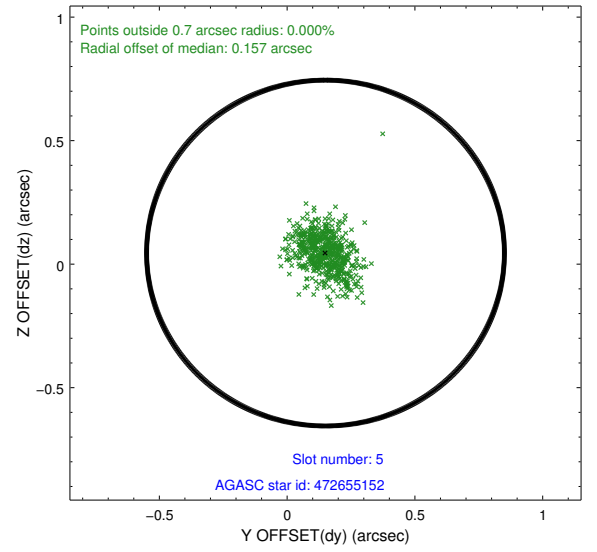
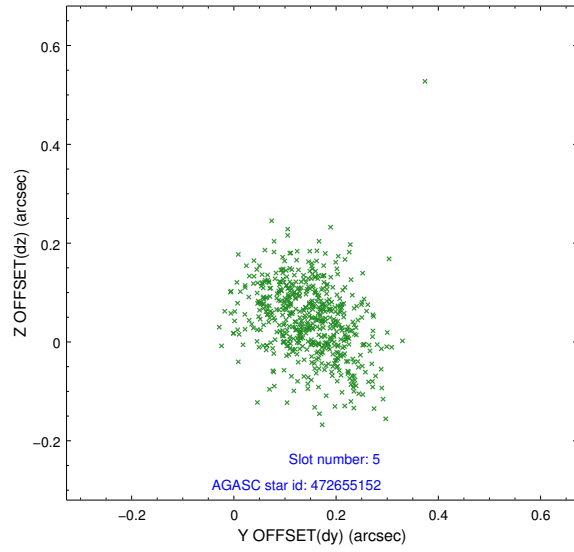
2.4.1 Slot 3



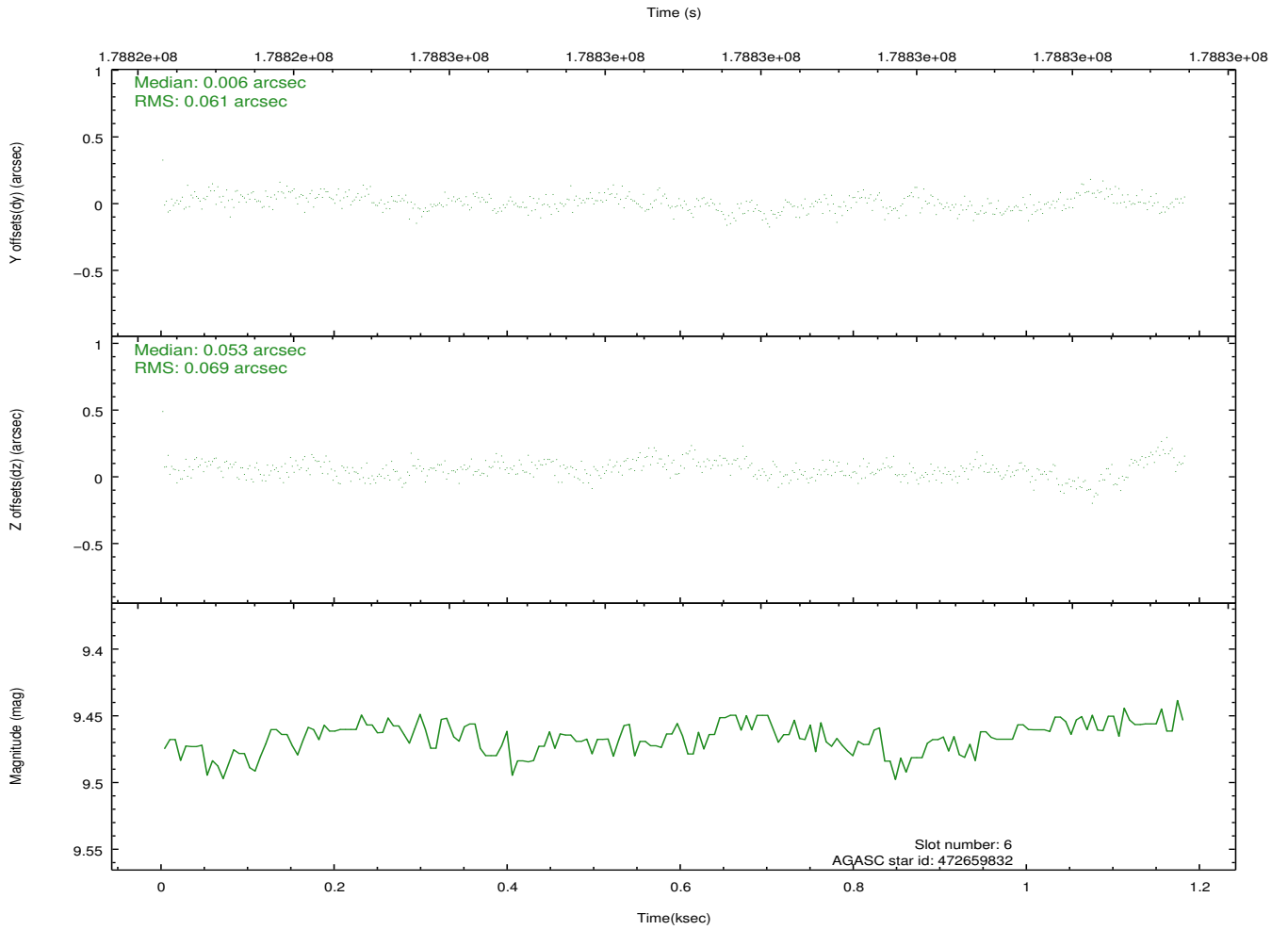
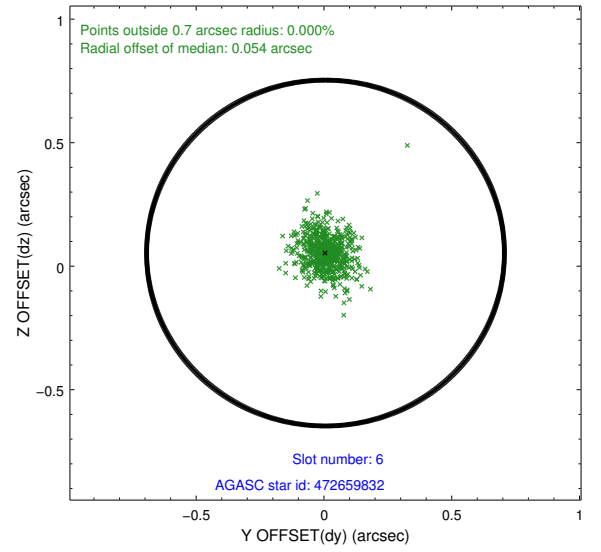
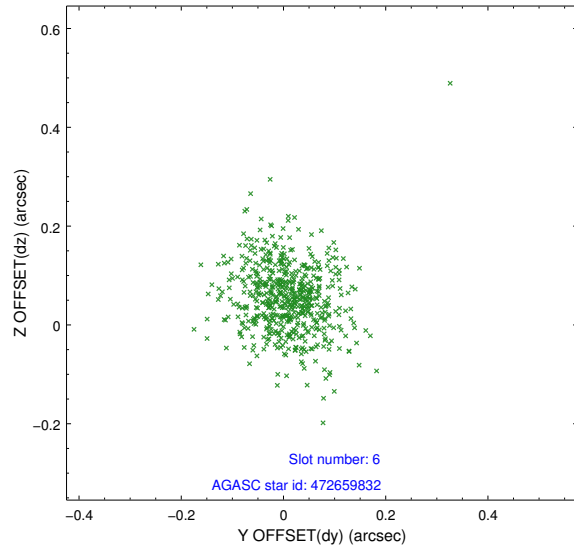
2.4.2 Slot 4



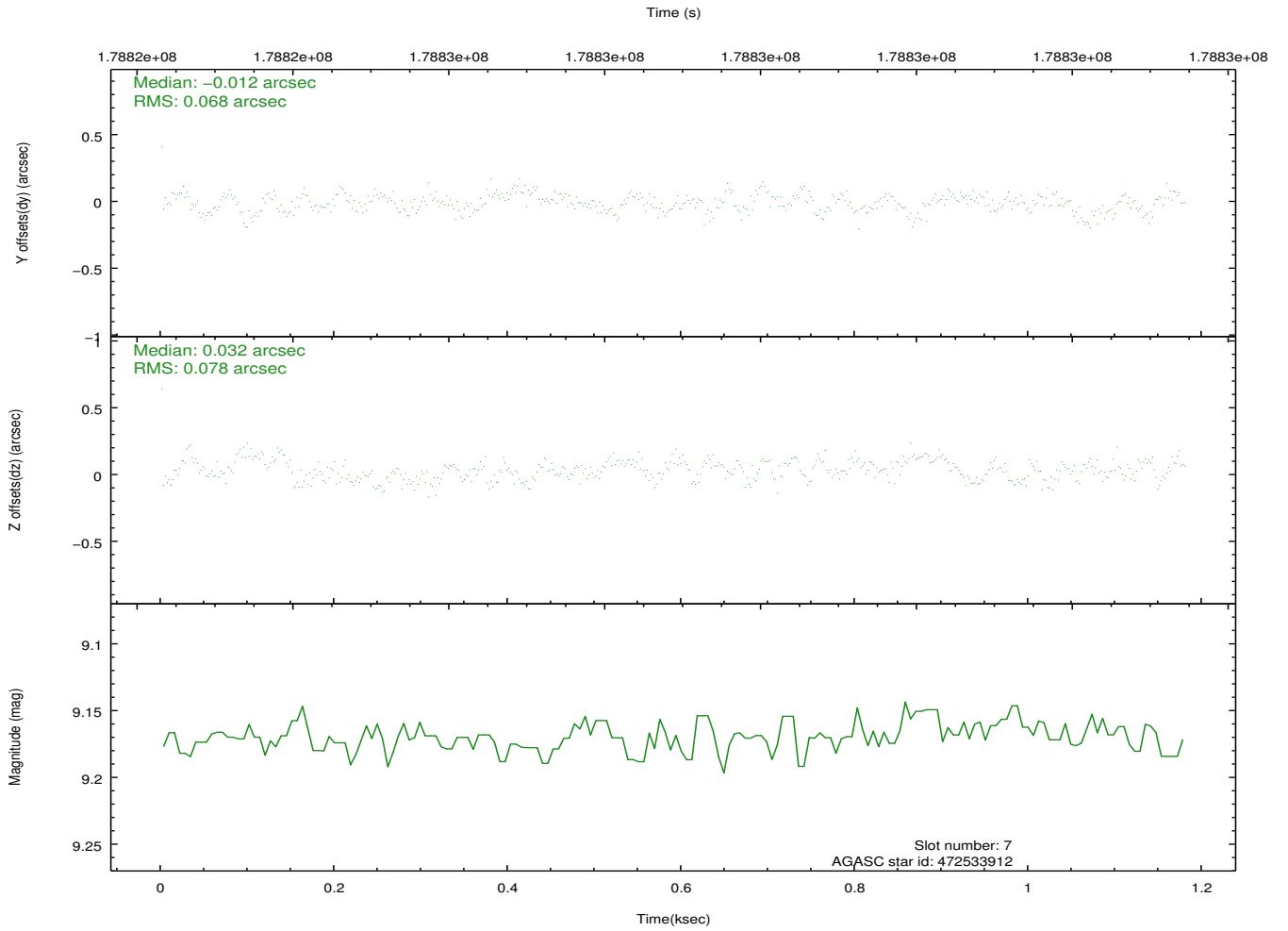
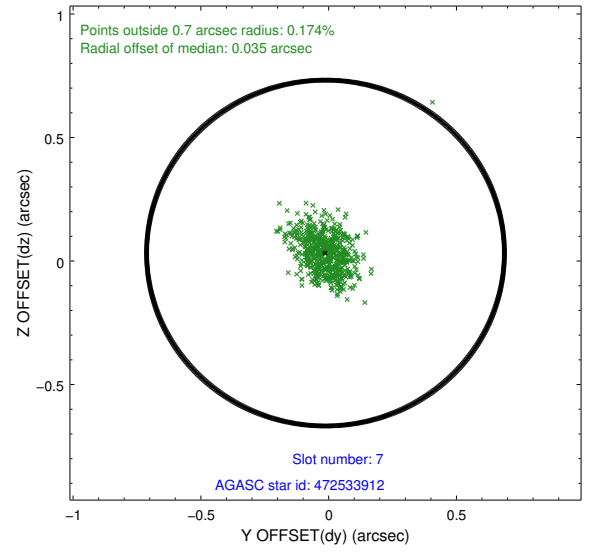
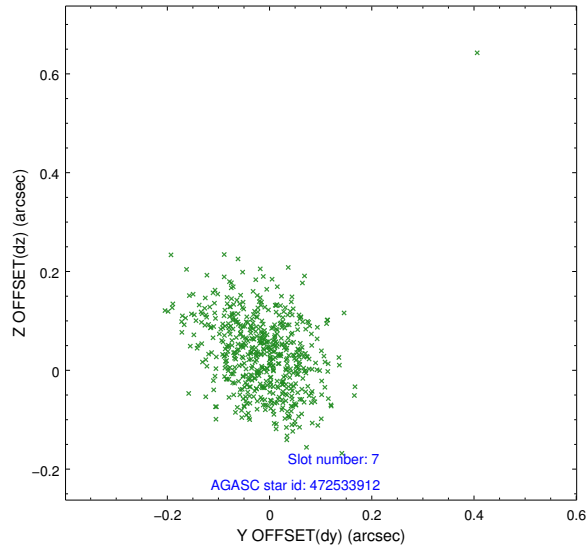
2.4.3 Slot 5



2.4.4 Slot 6

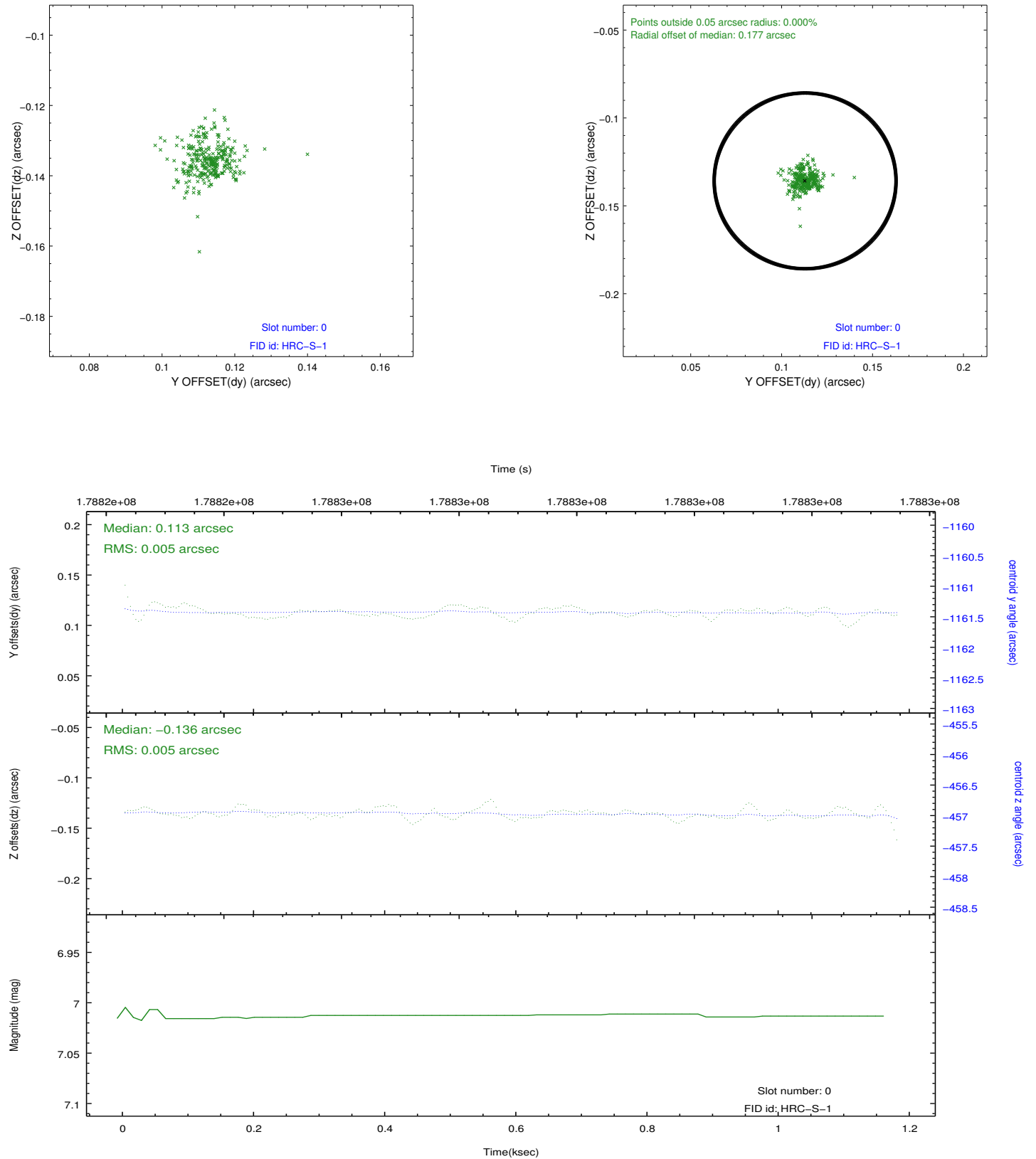


2.4.5 Slot 7

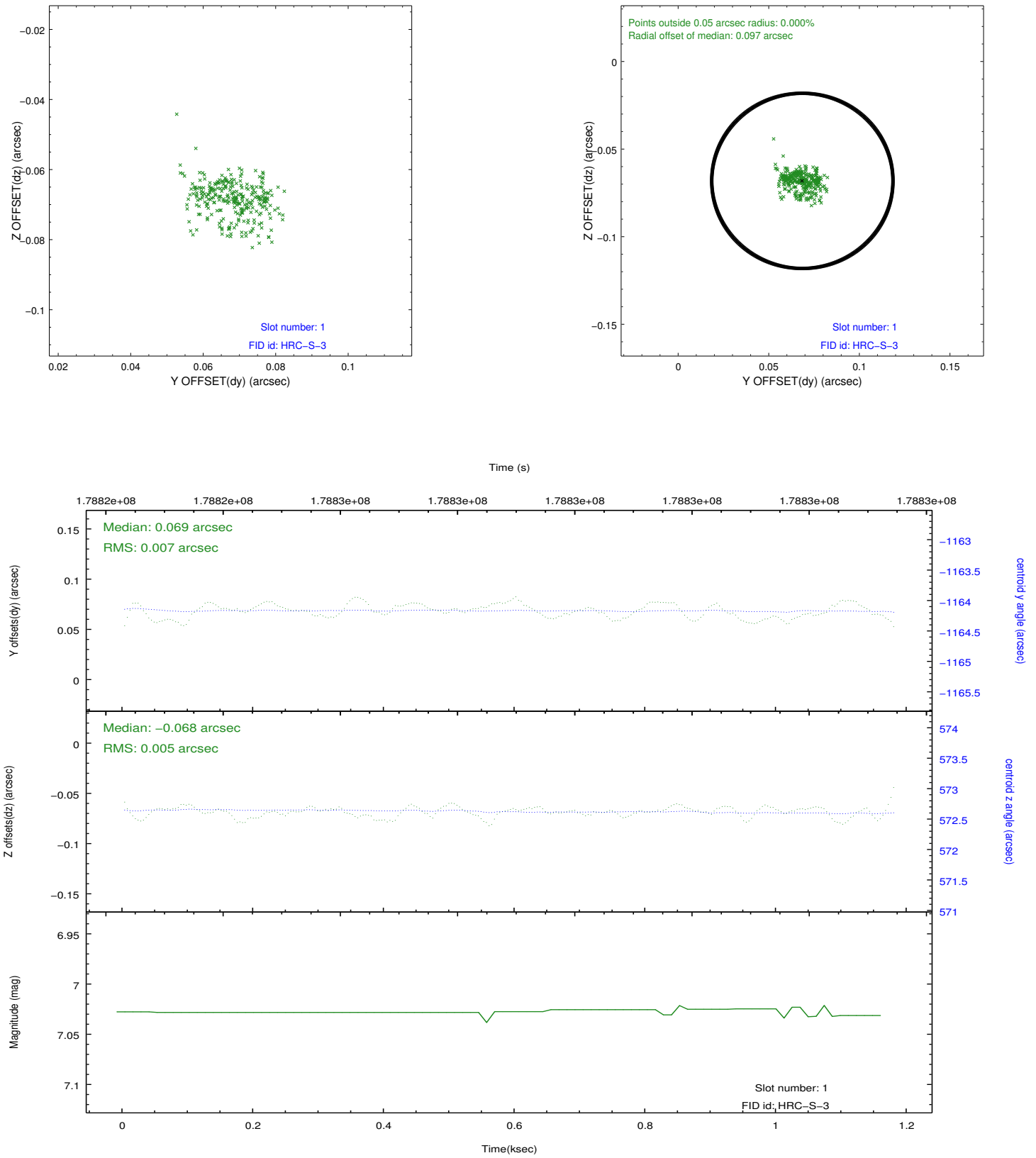


2.5 FID Slots

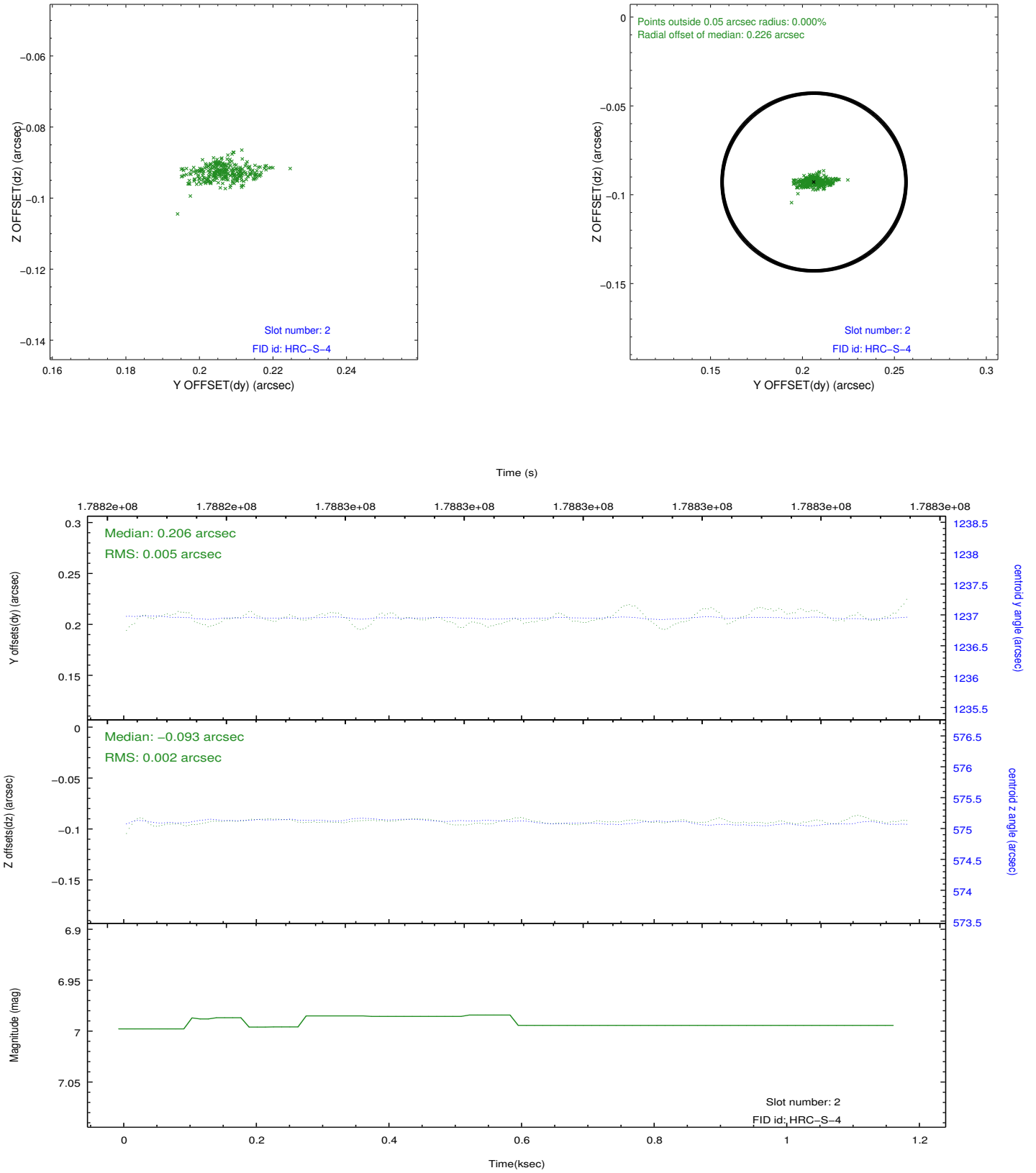
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

A.2 Comments

Monitor constraint met. Target is near the edge of the chip.