

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8315 - L2 Version 4
Chandra X-Ray Center

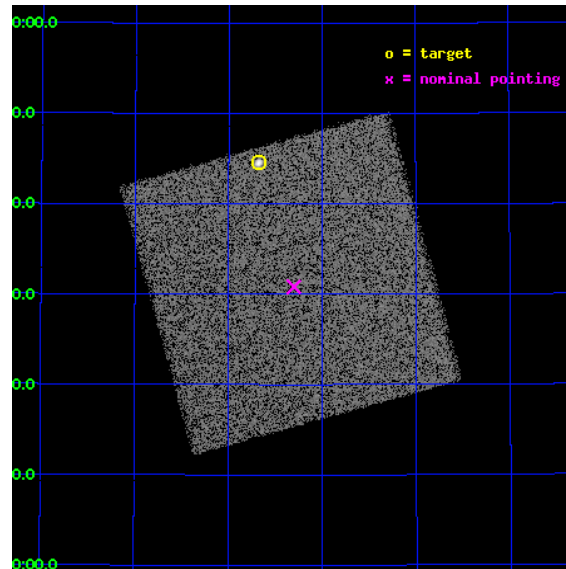
L2 Processing Date : Aug 11 2012

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

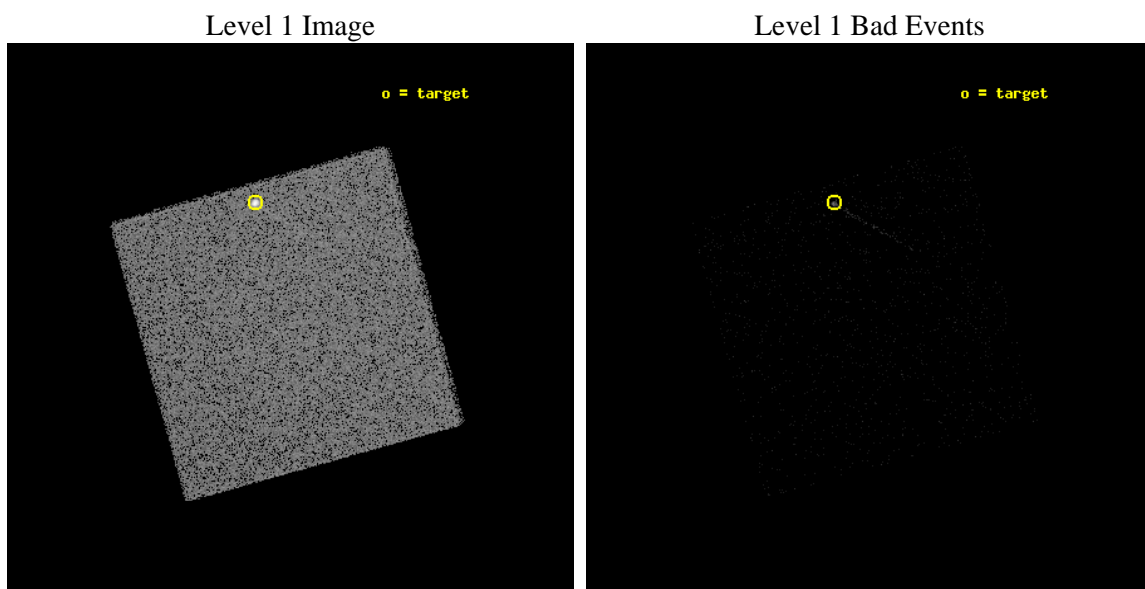
seq_num	290694	Sequence number
obs_id	8315	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07562560528	Nominal RA [deg]
dec_nom	45.513774704527	Nominal Dec [deg]
roll_nom	209.50282782971	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1313068867	[s]
livetime	1171.9269487684	Ontime multiplied by DTCOR
l2events	70977	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	1184.1313068867	[s]
caldbver	4.5.1.1	 	l1events	133341	Number of level 1 events
date	2012-08-12T02:34:30	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

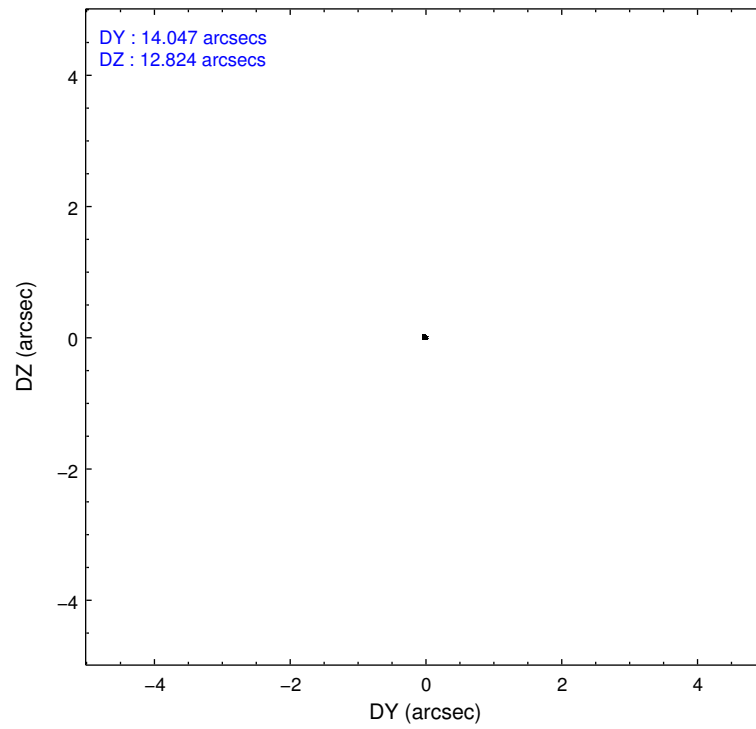
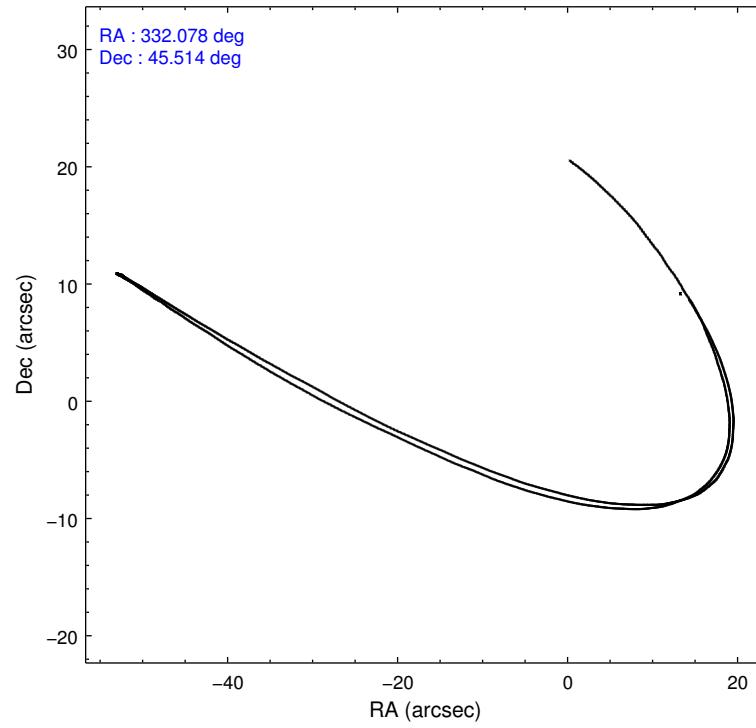
	segment 0
level 1 events	133341
rejected events	28927
rejected %	21%

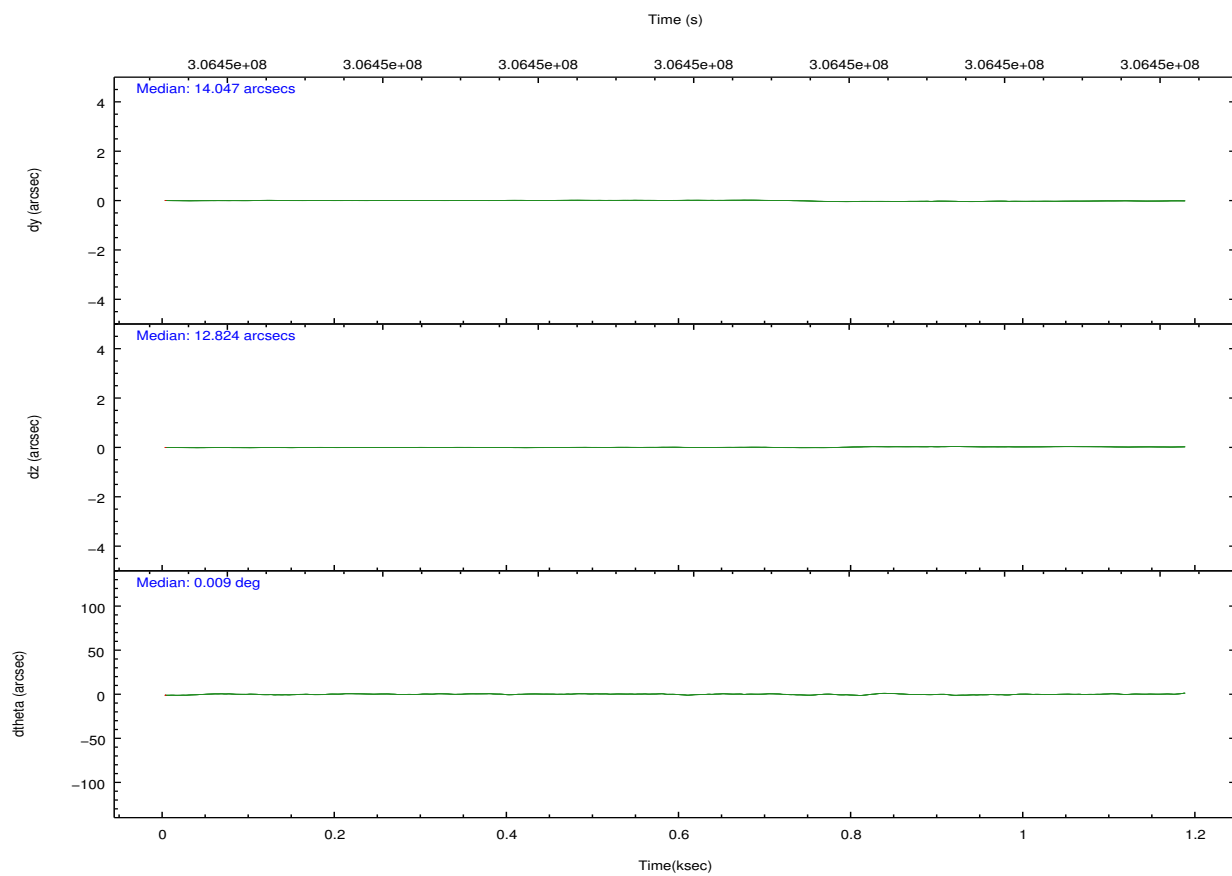
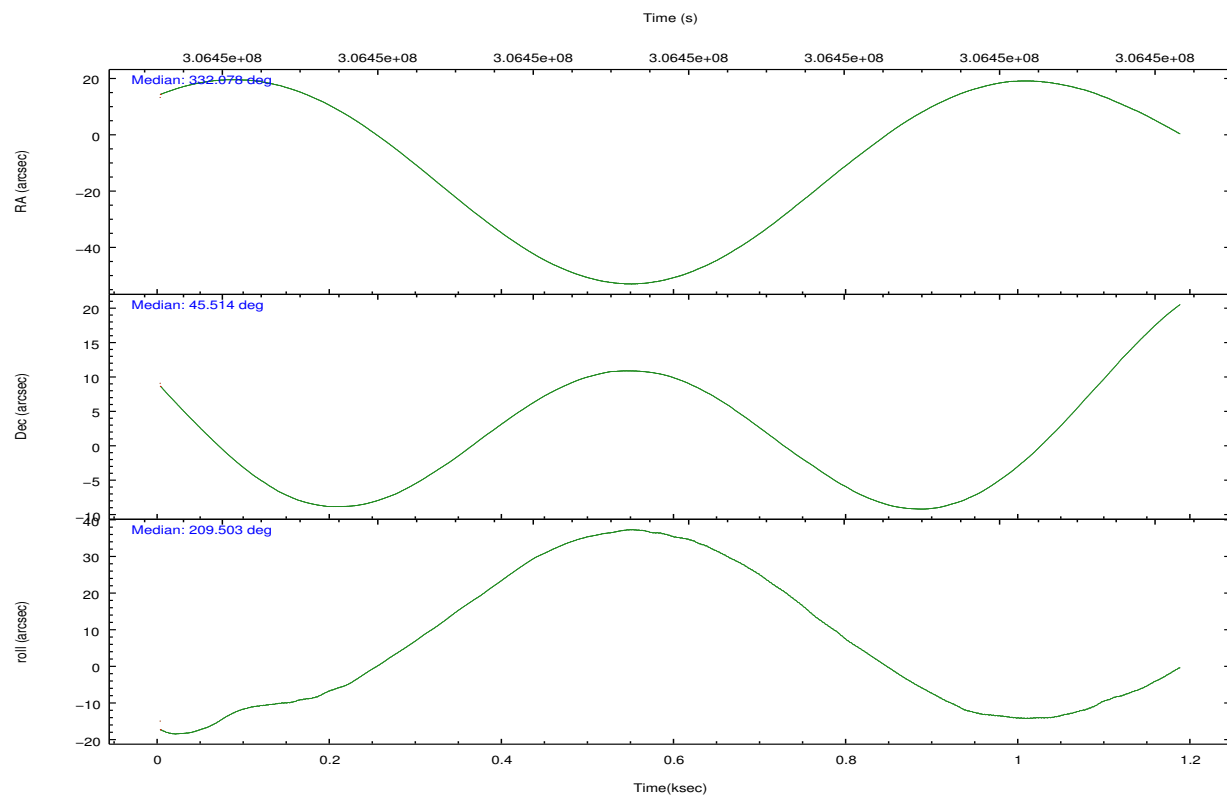
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.093233	332.0756256052775
[deg] Pointing Dec	45.538277	45.51377470452688
[deg] Pointing Roll	209.585770	209.5028278297115
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	306450172.184000	306449796.51442
Observation start date	2007-09-17T21:01:47	2007-09-17T20:56:36
[s] Observation end time (MET)	306451172.184000	306451306.33949
Observation end date	2007-09-17T21:18:27	2007-09-17T21:21:46

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



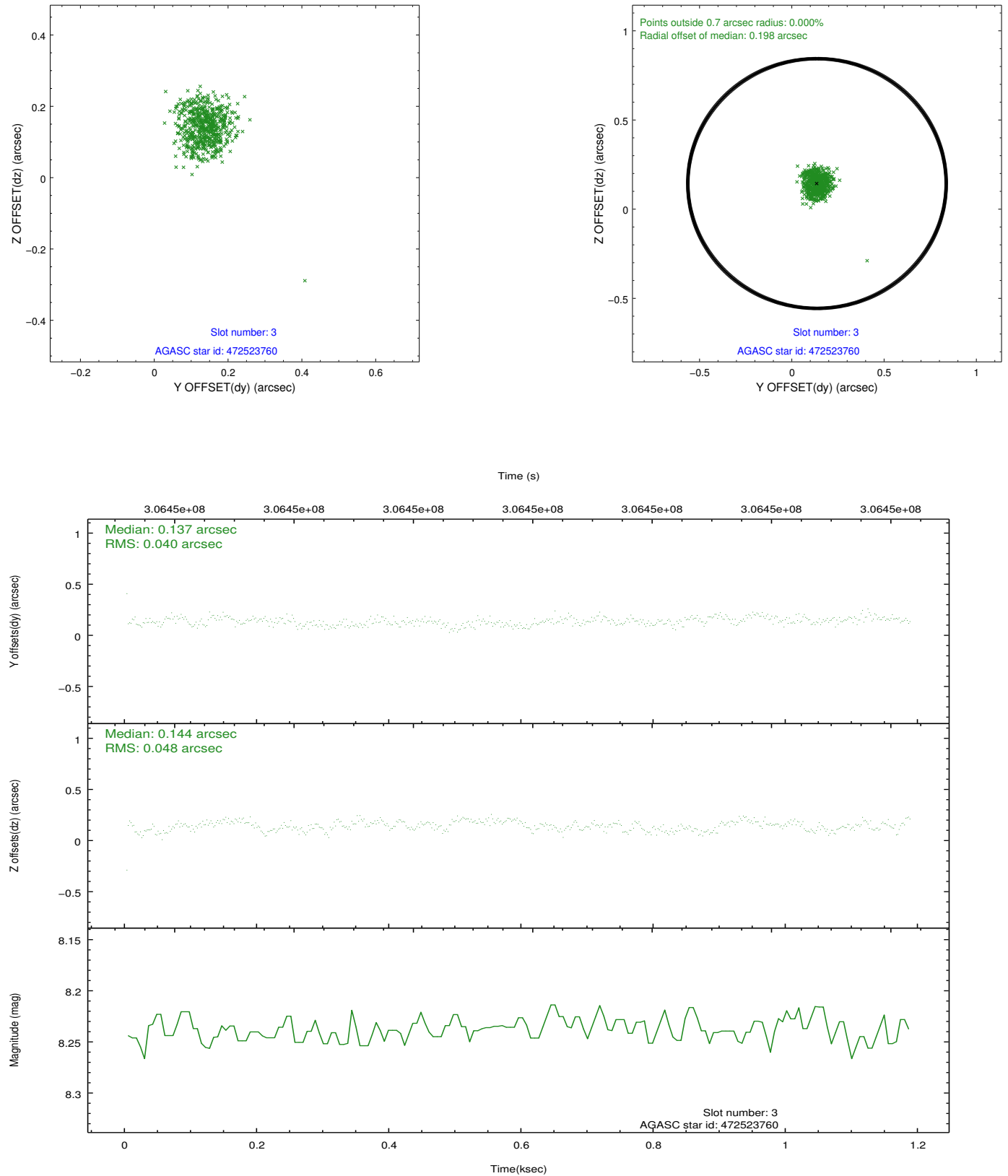


Slot Statistics

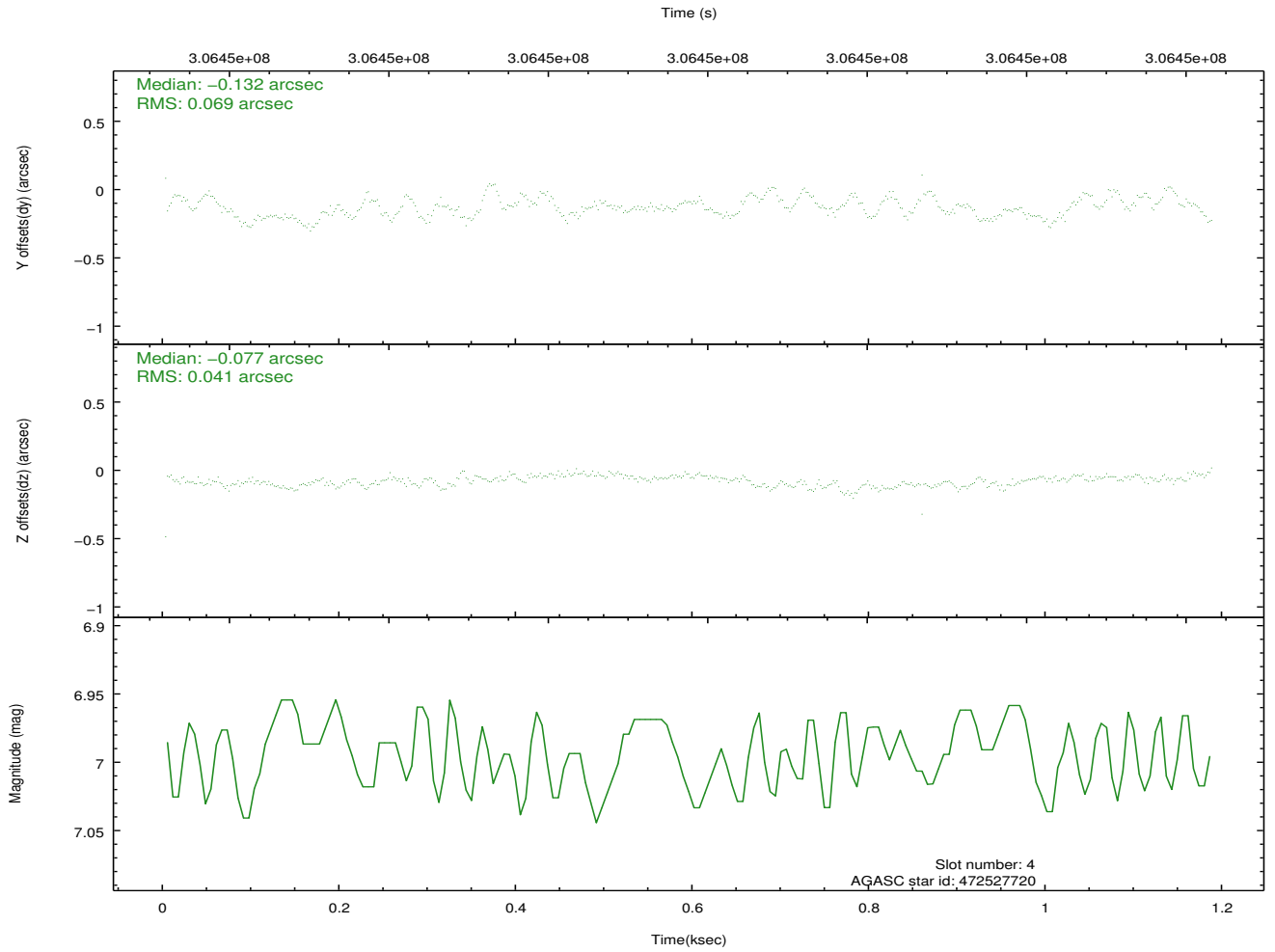
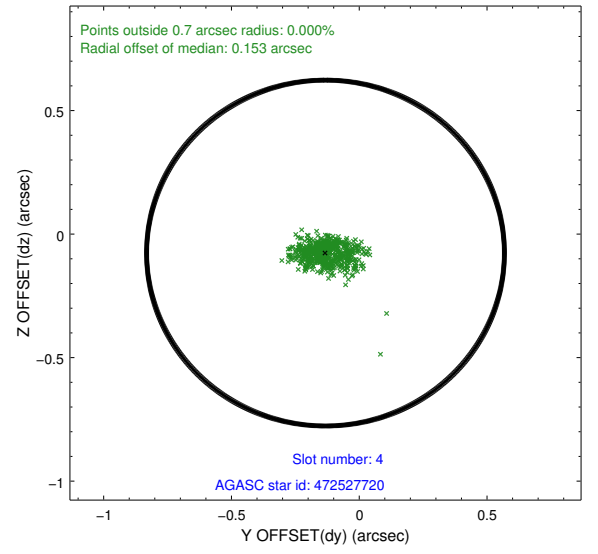
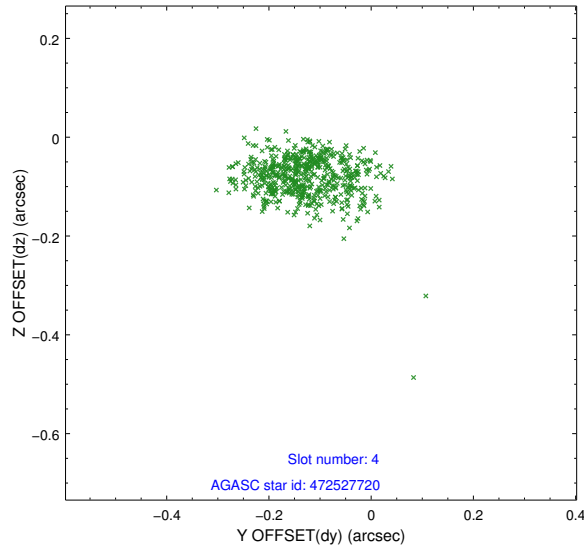
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	290	-0.062	0.031	0.006	0.011	0.000000	0.000000	-769.88	-1300.87
1	FID	HRC-I-2	7.02	290	0.246	-0.161	0.006	0.010	0.000000	0.000000	840.41	-1307.12
2	FID	HRC-I-3	7.08	290	-0.065	0.041	0.006	0.010	0.000000	0.000000	-1195.47	999.20
3	GUIDE	472523760	8.24	579	0.137	0.144	0.065	0.096	331.645363	45.403260	1224.97	-142.65
4	GUIDE	472527720	6.99	579	-0.132	-0.077	0.082	0.139	331.460205	45.112509	2156.10	529.23
5	GUIDE	472651904	6.74	579	-0.038	-0.009	0.065	0.111	332.170077	45.742257	-524.77	-546.74
6	GUIDE	472655152	9.43	577	0.088	0.050	0.114	0.180	332.504239	45.862991	-1473.40	-514.74
7	GUIDE	420754040	9.06	578	-0.058	-0.099	0.083	0.137	331.917939	44.882543	1552.55	1827.04

2.4 Star Slots

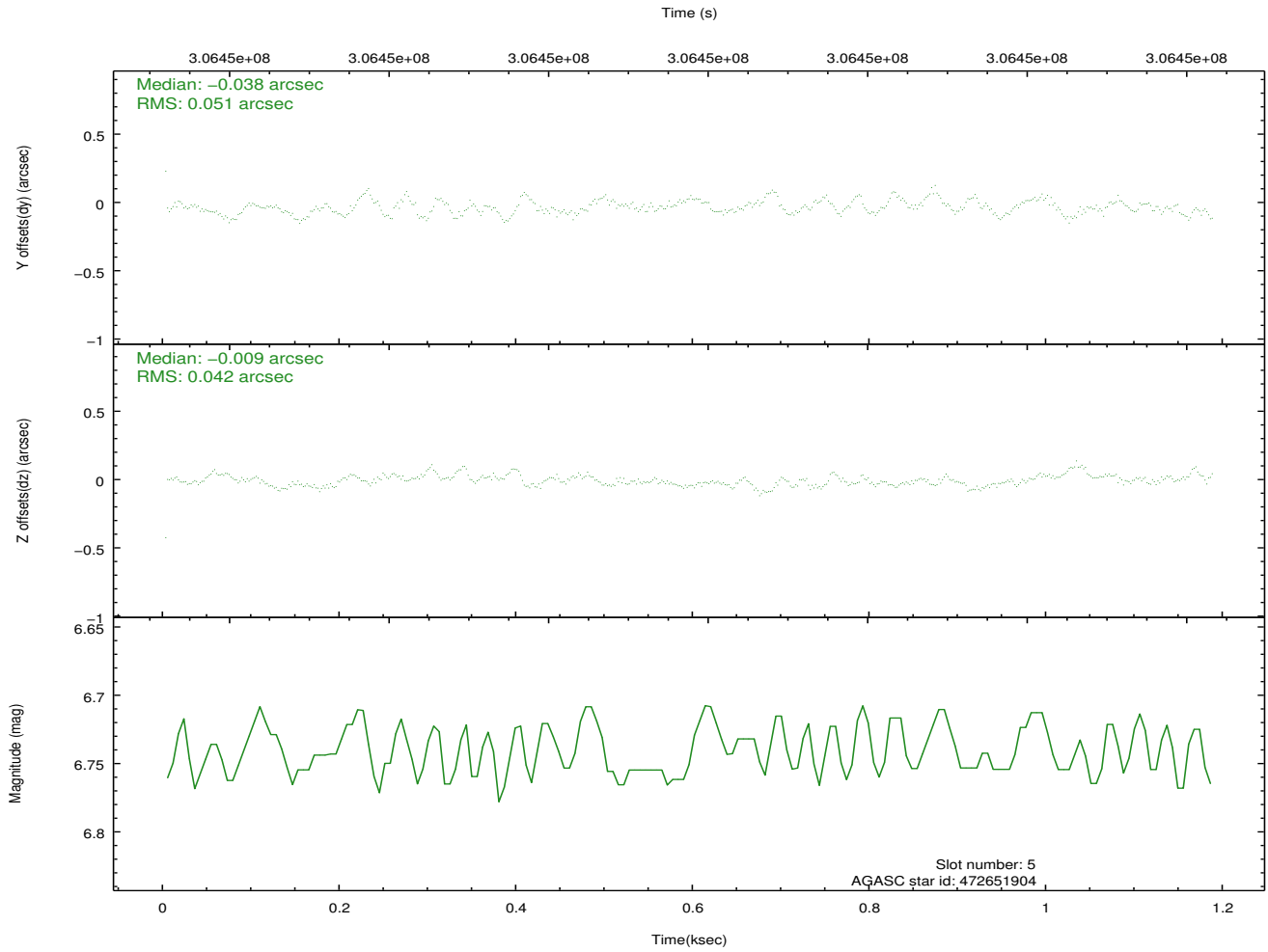
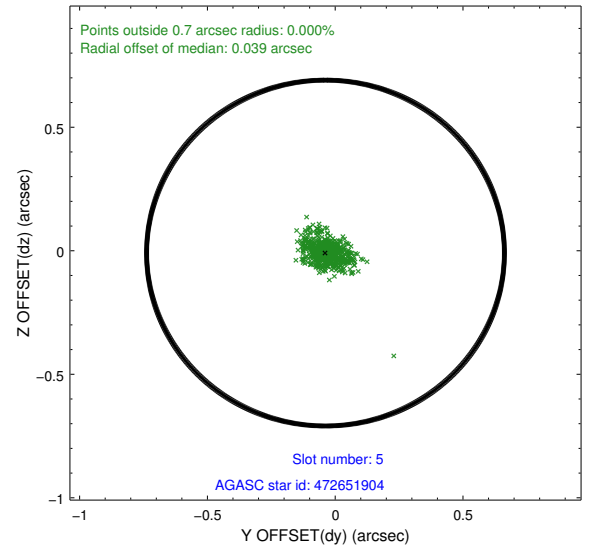
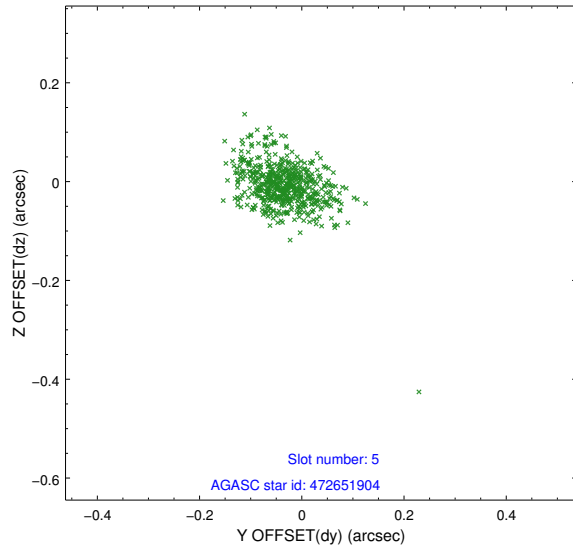
2.4.1 Slot 3



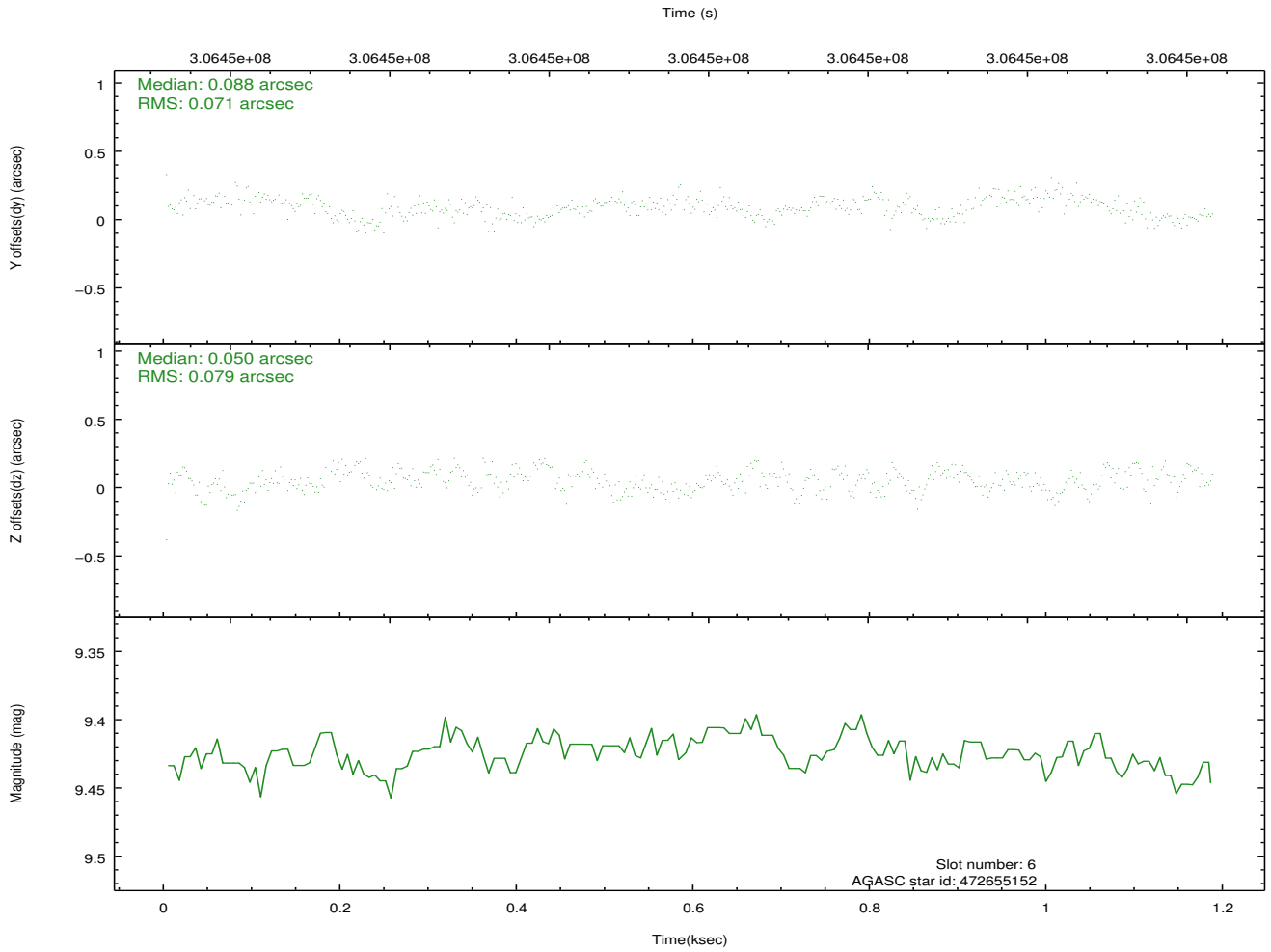
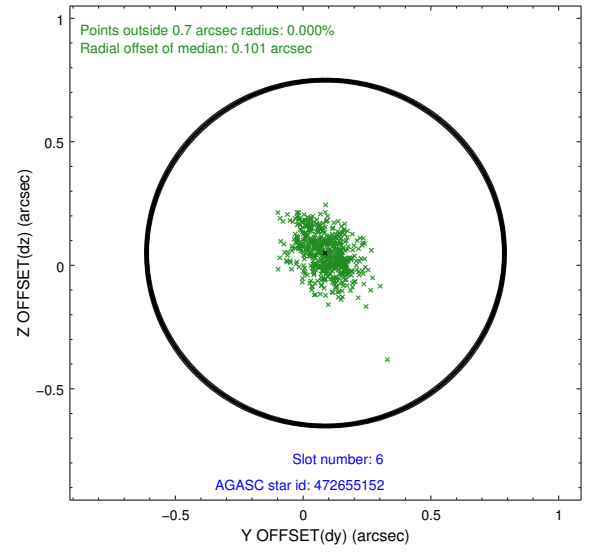
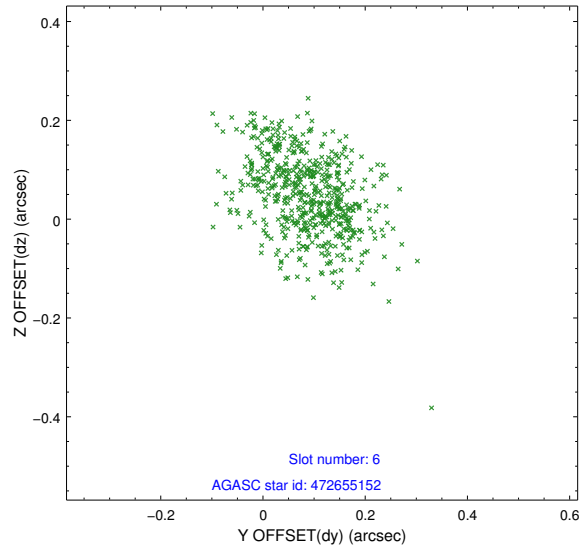
2.4.2 Slot 4



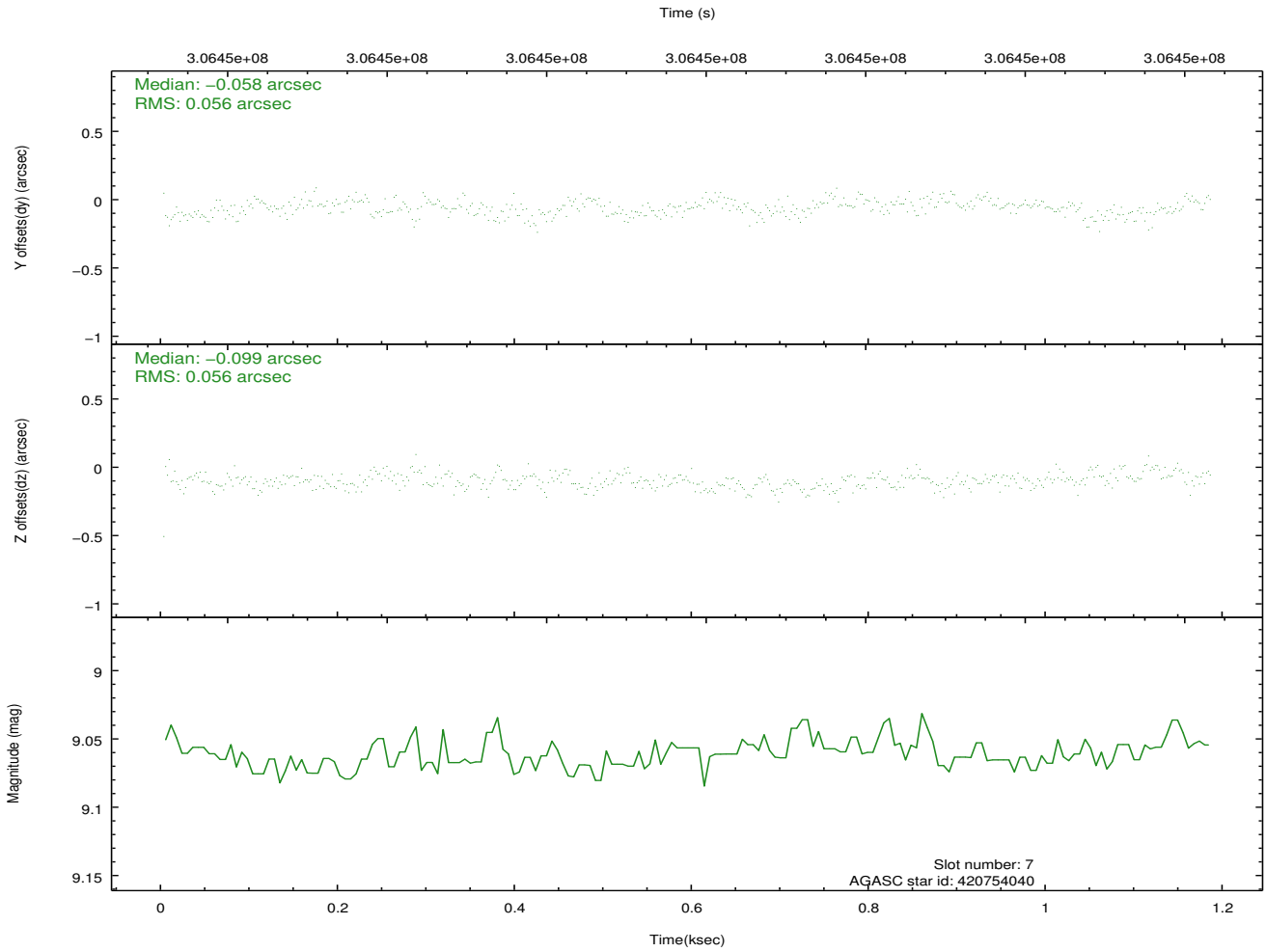
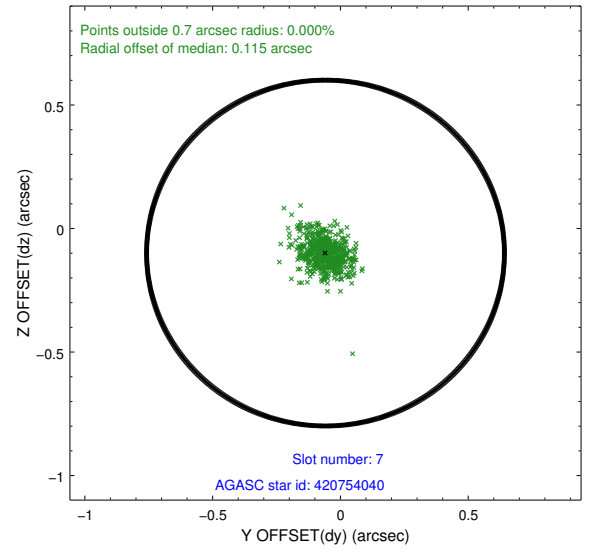
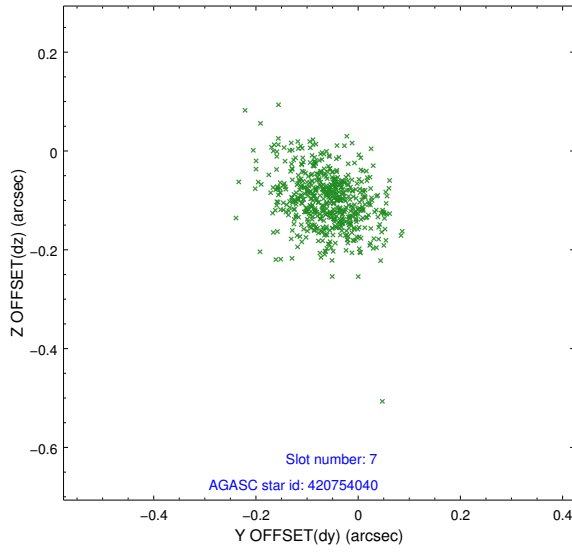
2.4.3 Slot 5



2.4.4 Slot 6

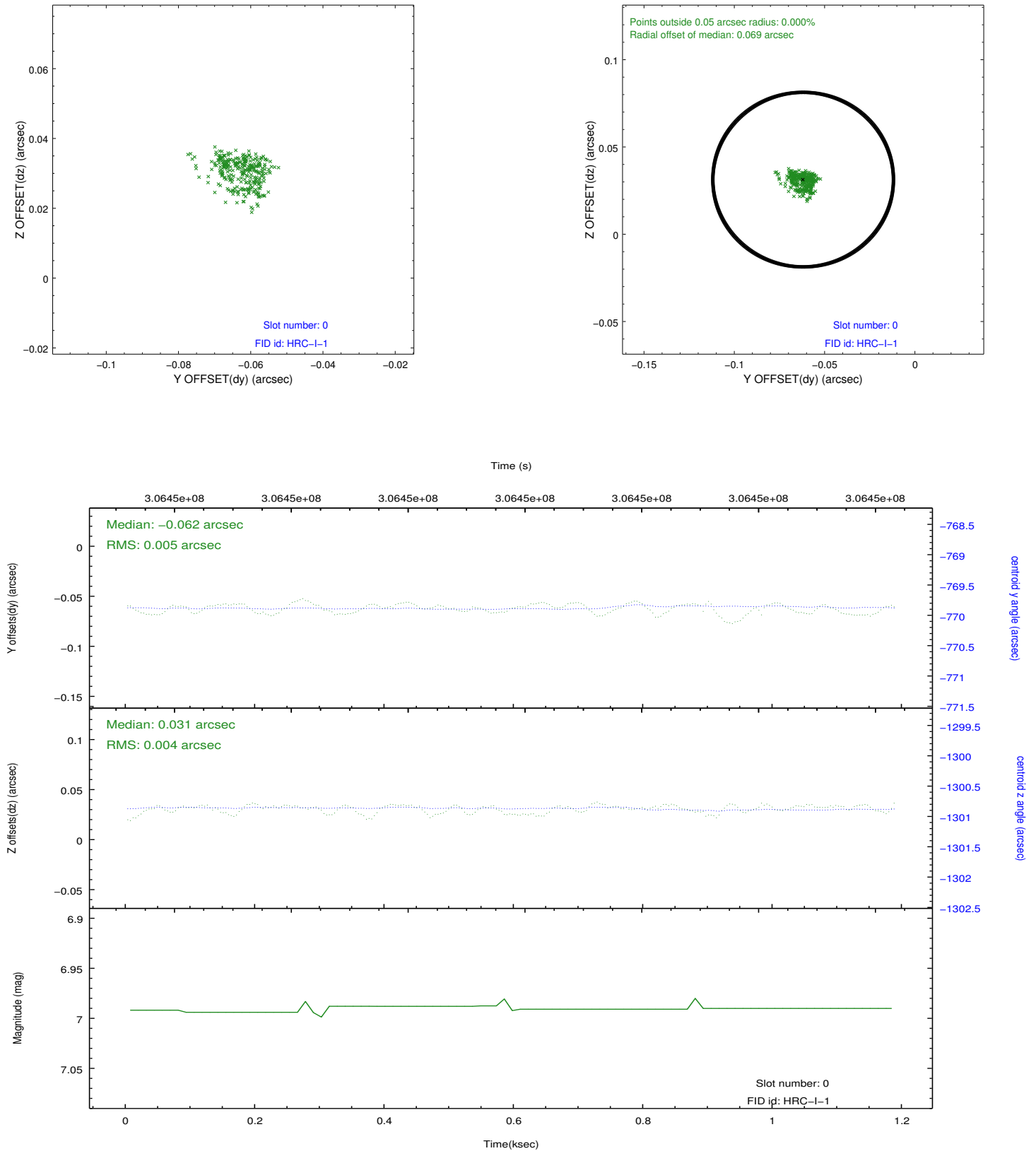


2.4.5 Slot 7

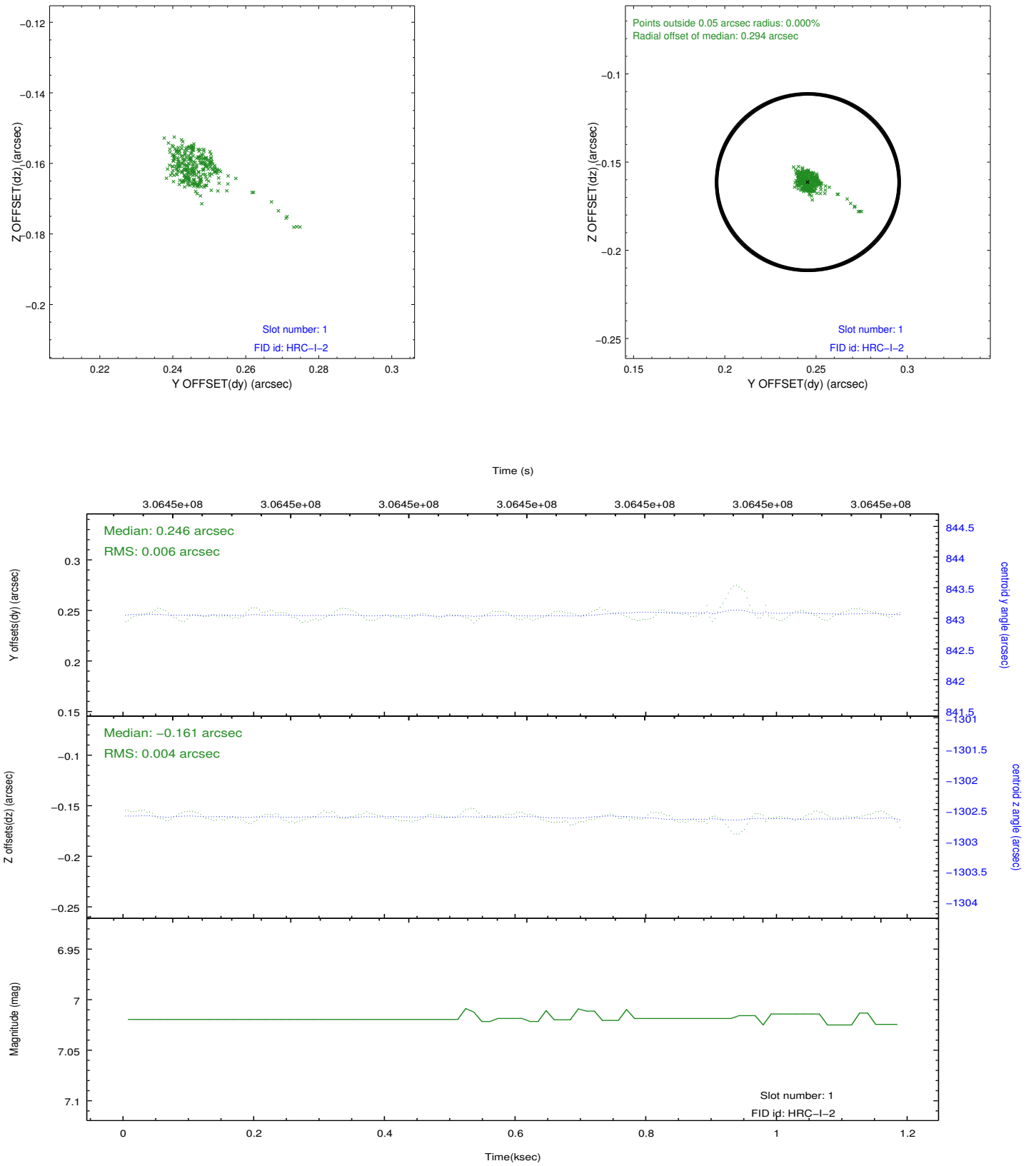


2.5 FID Slots

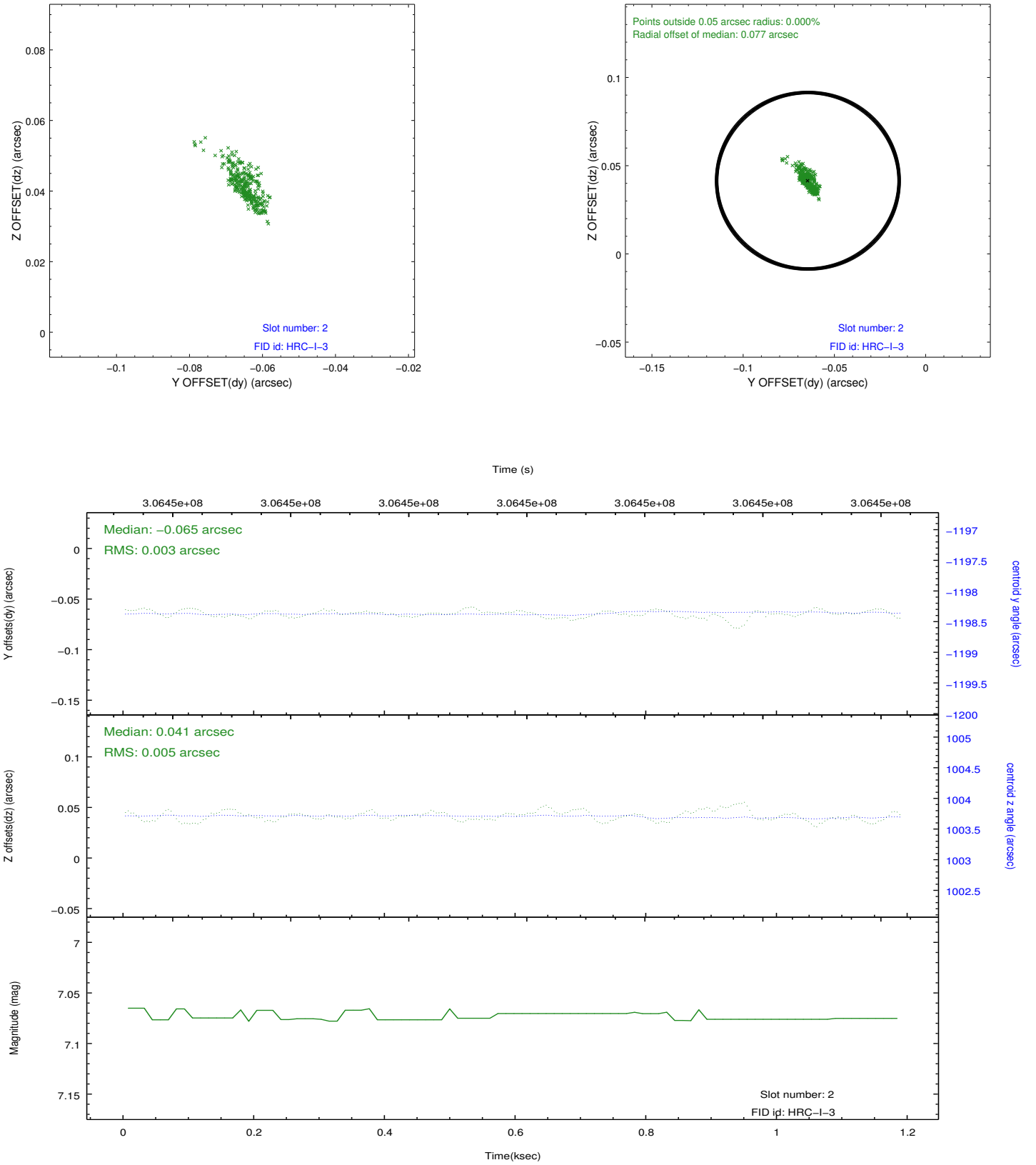
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313

A.2 Comments

Target is near the edge of the chip.