

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4331 - L2 Version 3
Chandra X-Ray Center

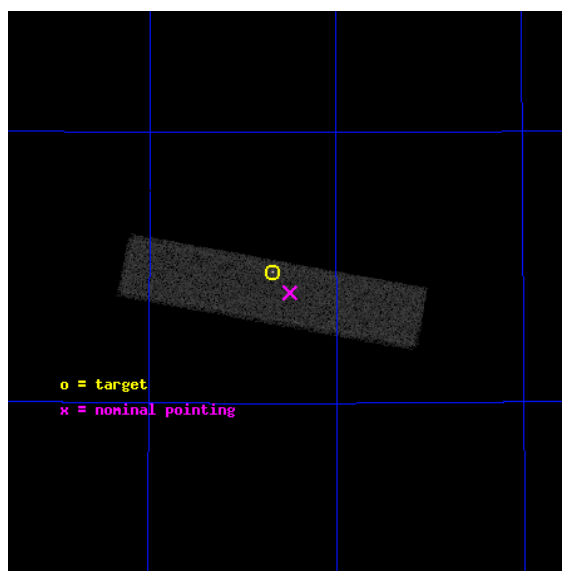
L2 Processing Date : Nov 2 2012

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

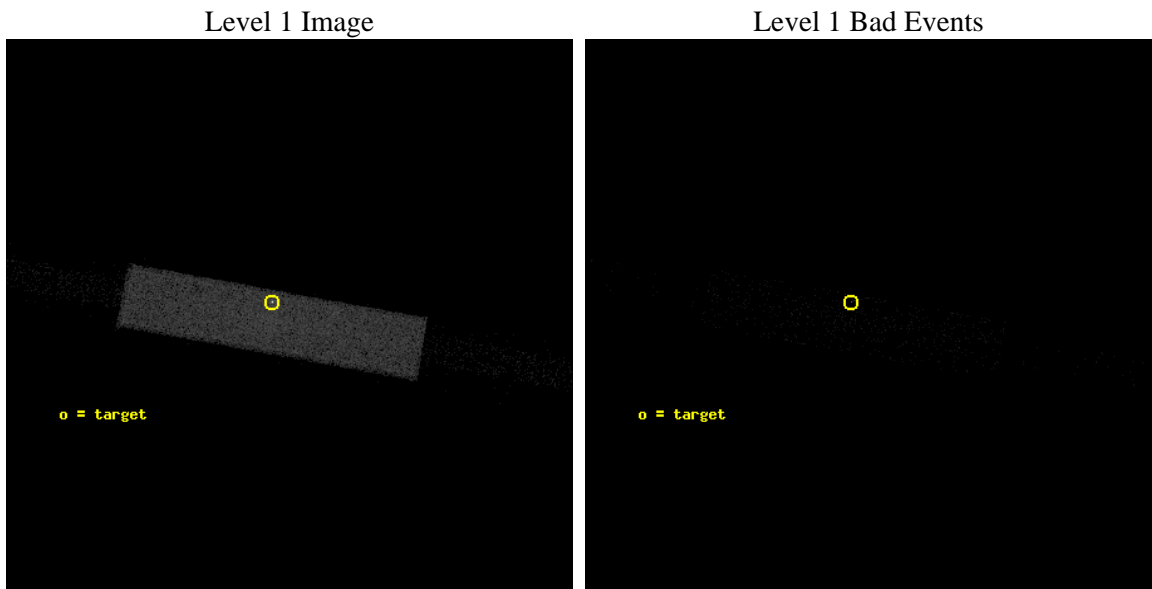
seq_num	290291	Sequence number
obs_id	4331	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12389017429	Nominal RA [deg]
dec_nom	45.703883387054	Nominal Dec [deg]
roll_nom	190.16972437165	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.9781760573	[s]
livetime	1136.0954395091	Ontime multiplied by DTCOR
l2events	41587	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	1142.1062989235	[s]
caldsver	4.5.2	 	l1events	65418	Number of level 1 events
date	2012-11-02T16:33:26	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

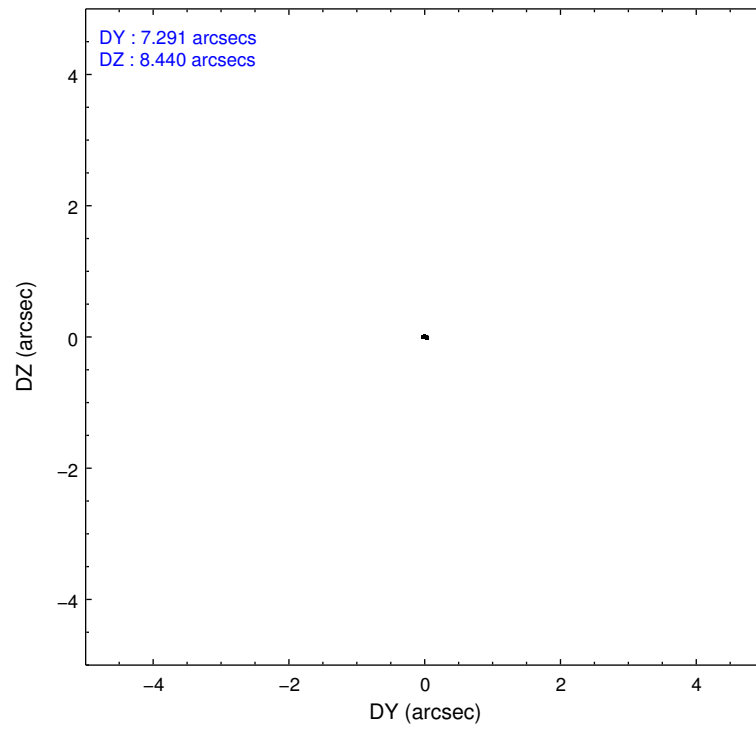
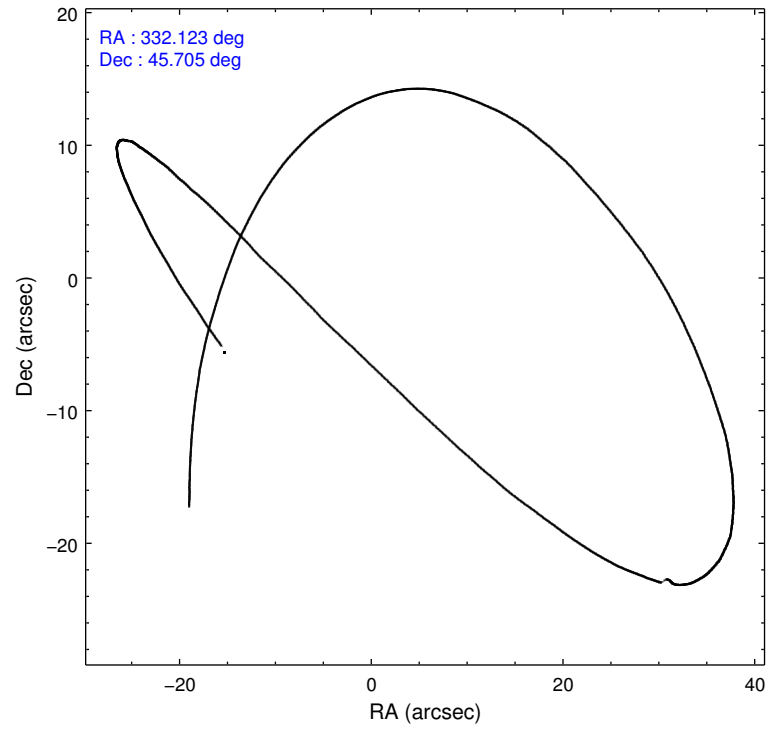
Level 1 Events

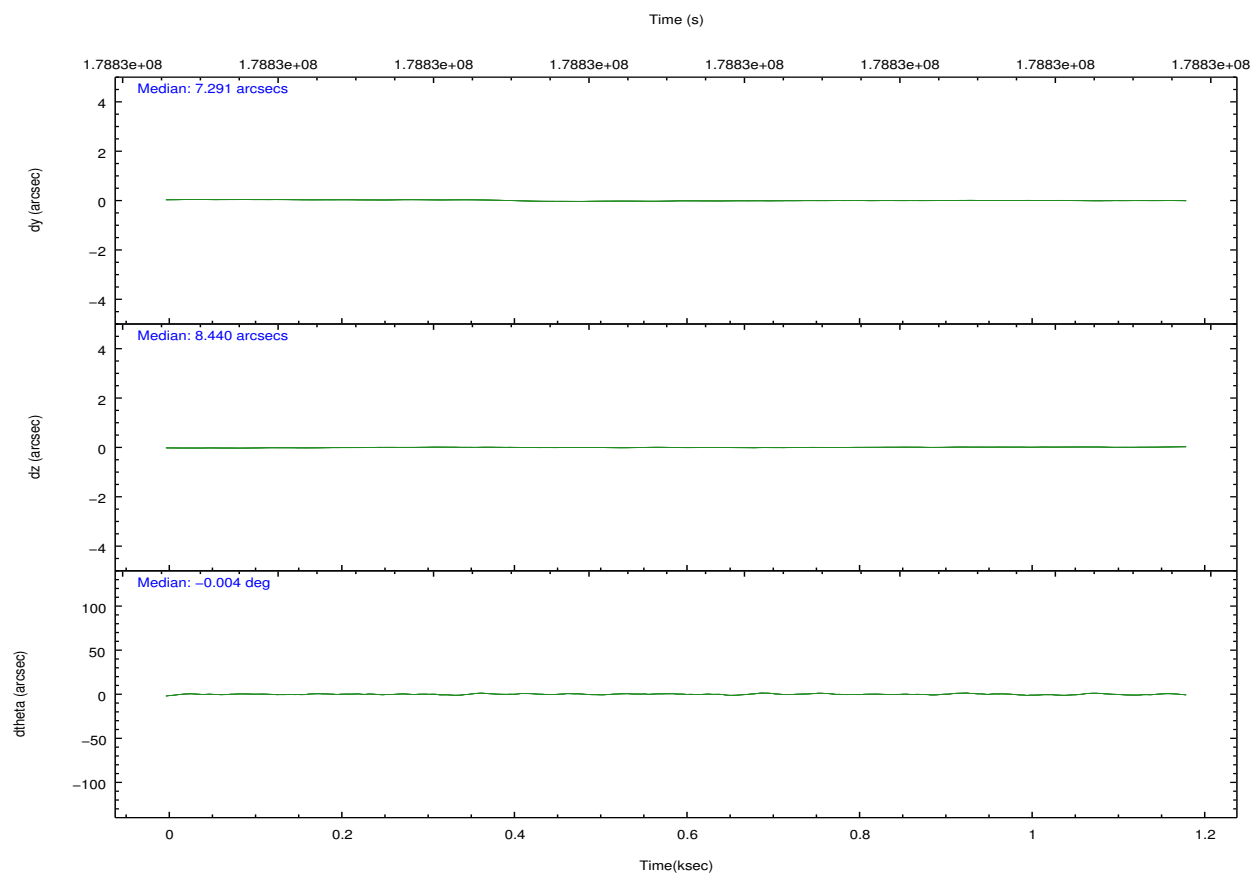
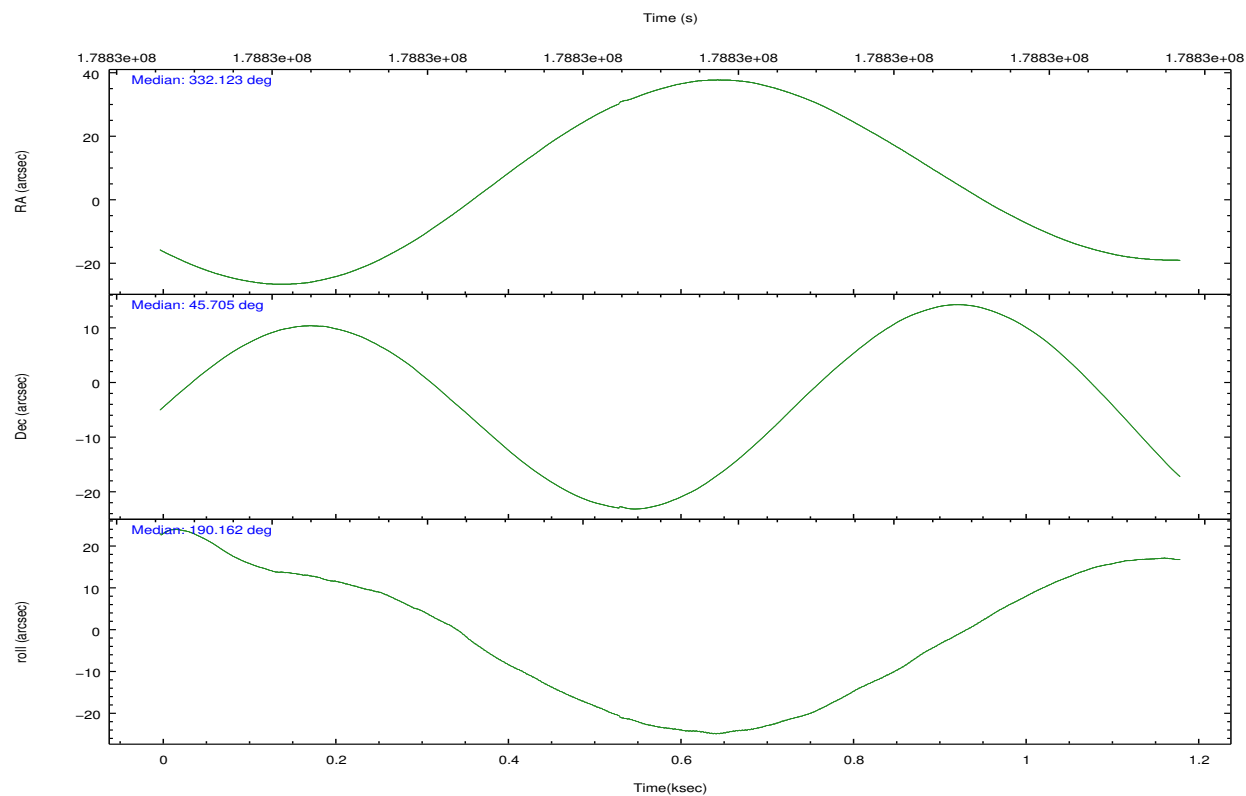
	segment 1	segment 2	segment 3
level 1 events	1097	63204	1117
rejected events	1097	12142	1117
rejected %	100%	19%	100%

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	332.154672	332.1238901742856			
[deg] Pointing Dec	45.722460	45.7038833870543			
[deg] Pointing Roll	190.080321	190.1697243716453			
[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)	178828098.184000	178827722.29582			
Observation start date	2003-09-01T18:27:14	2003-09-01T18:22:02			
[s] Observation end time (MET)	178829098.184000	178829986.00842			
Observation end date	2003-09-01T18:43:54	2003-09-01T18:59:46			

2.3 Aspect



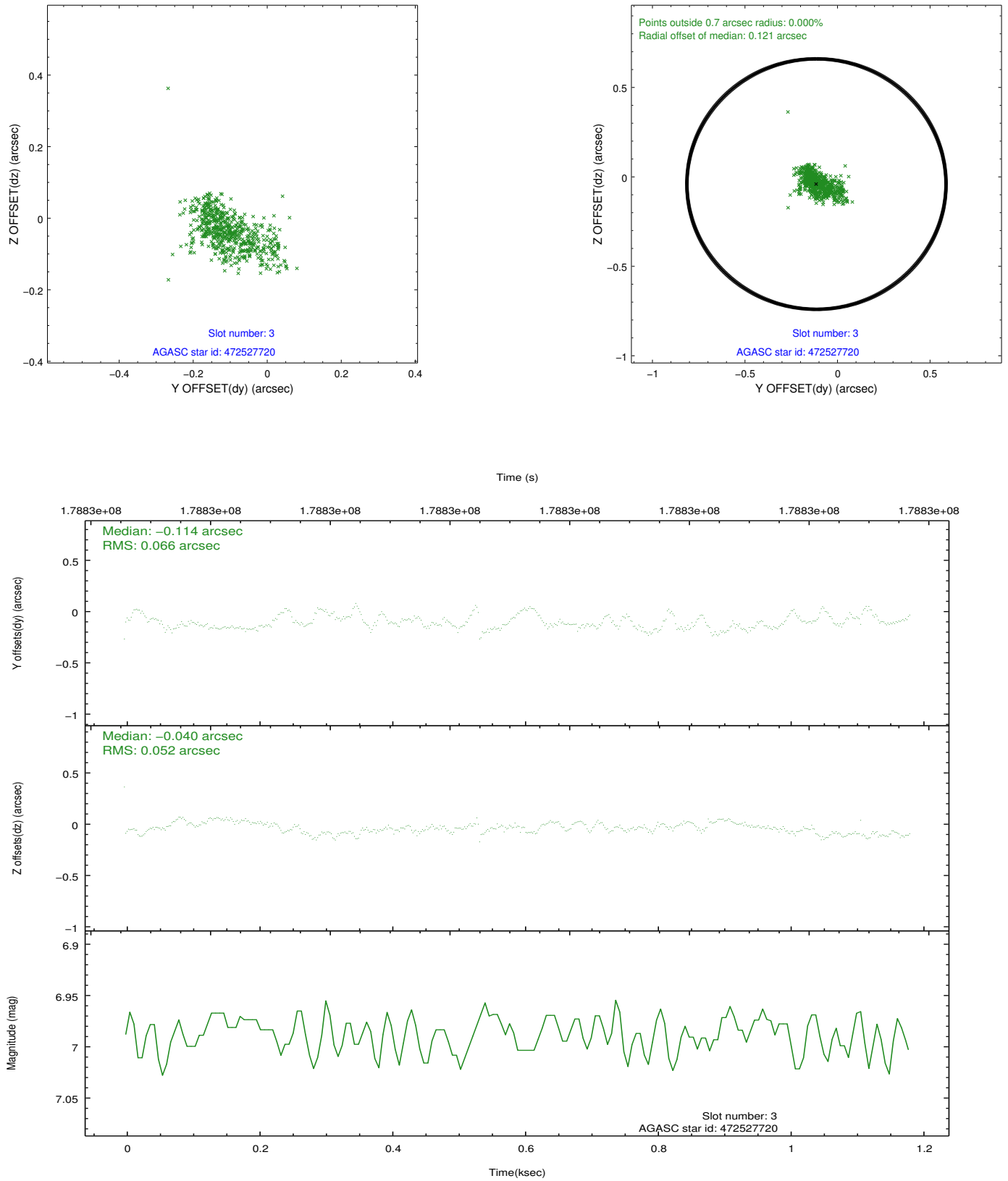


Slot Statistics

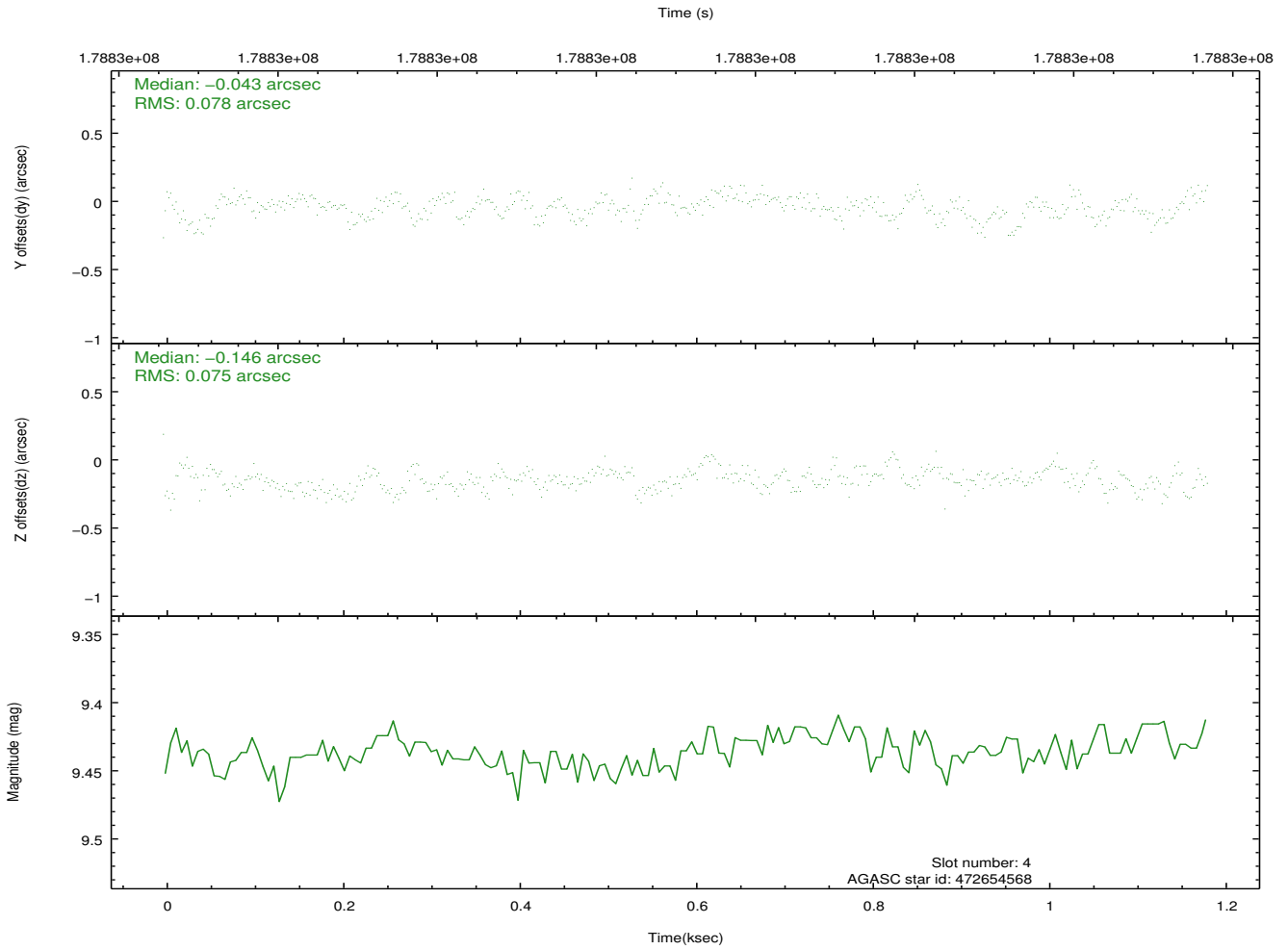
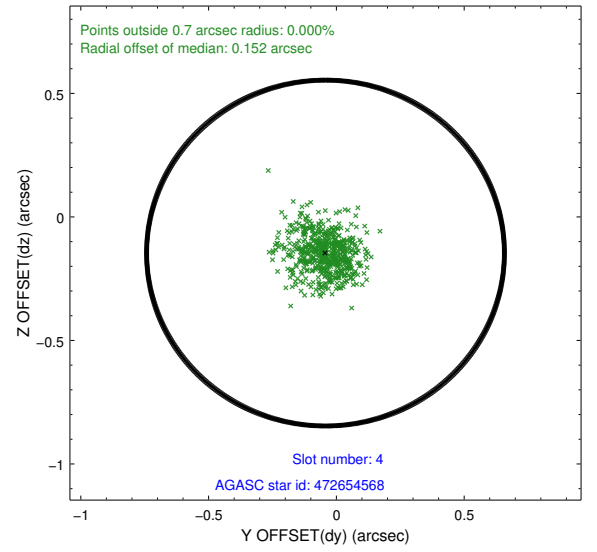
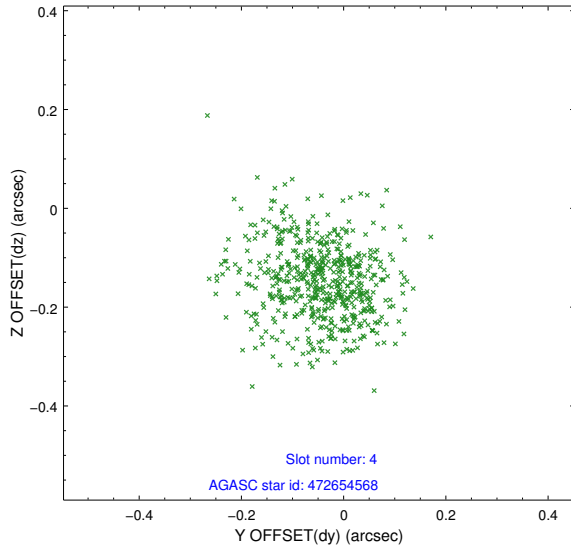
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	289	0.128	-0.135	0.005	0.010	0.000000	0.000000	-1161.46	-457.06
1	FID	HRC-S-2	7.01	289	0.153	-0.110	0.005	0.009	0.000000	0.000000	1234.23	-451.25
2	FID	HRC-S-3	7.03	289	0.108	-0.057	0.005	0.011	0.000000	0.000000	-1159.93	570.99
3	GUIDE	472527720	6.99	578	-0.114	-0.040	0.086	0.148	331.460205	45.112509	2118.56	1849.80
4	GUIDE	472654568	9.44	578	-0.043	-0.146	0.116	0.190	332.194449	45.063576	317.62	2360.00
5	GUIDE	472655152	9.44	578	0.118	0.065	0.117	0.192	332.504239	45.862991	-952.25	-338.70
6	GUIDE	472659832	9.47	578	0.070	0.072	0.105	0.198	332.780399	46.098139	-1778.36	-1061.14
7	GUIDE	472533912	9.15	577	-0.041	0.045	0.105	0.177	331.791136	46.368695	477.62	-2448.48

2.4 Star Slots

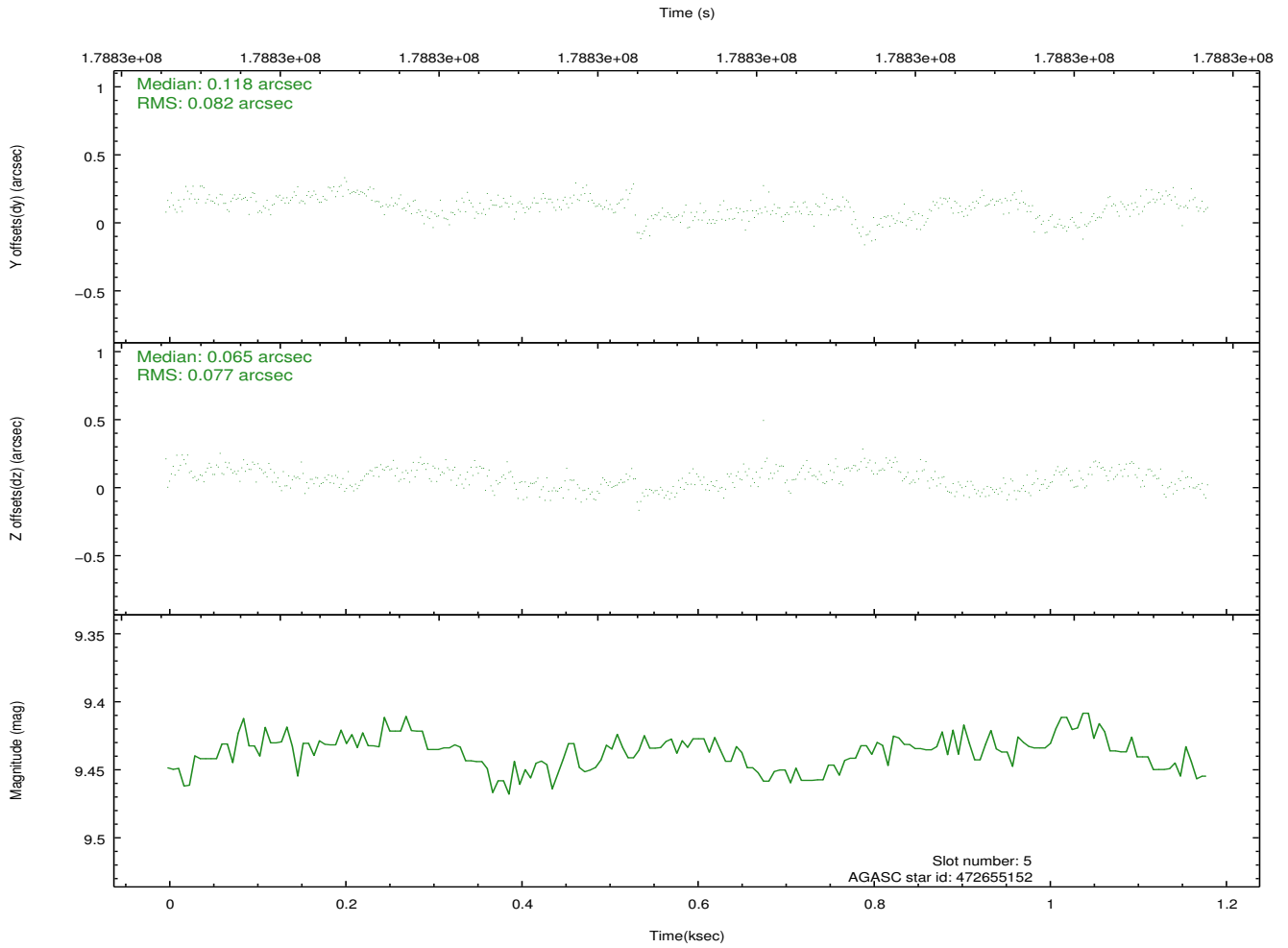
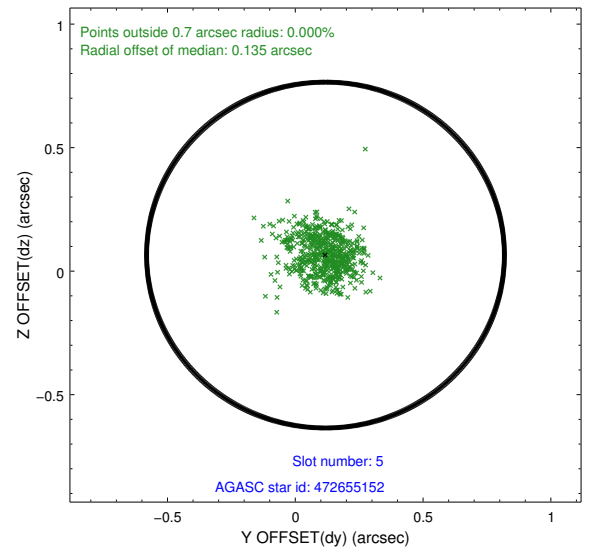
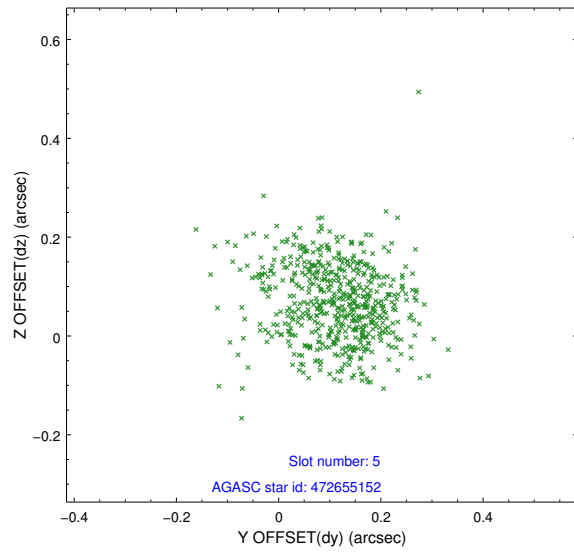
2.4.1 Slot 3



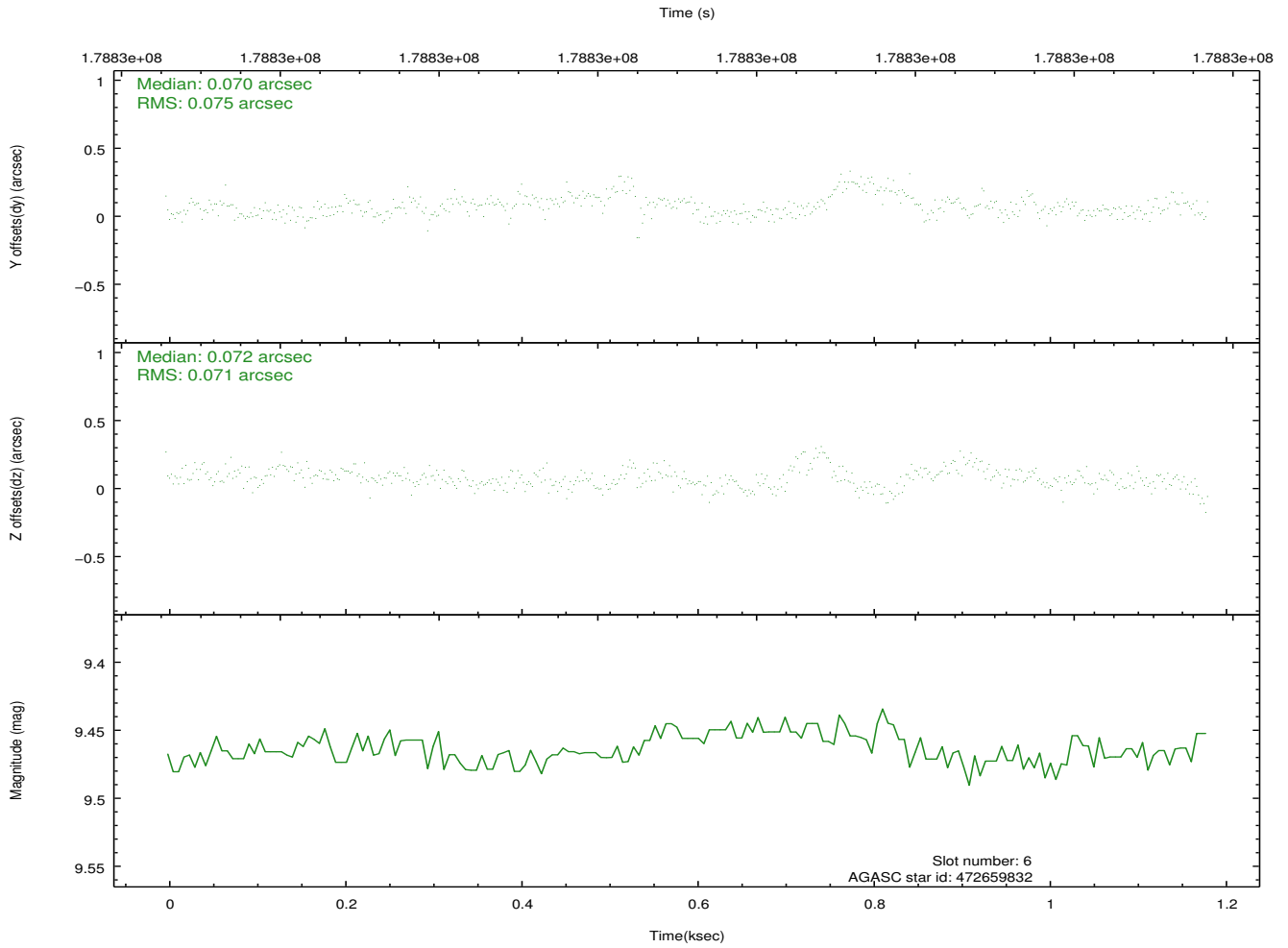
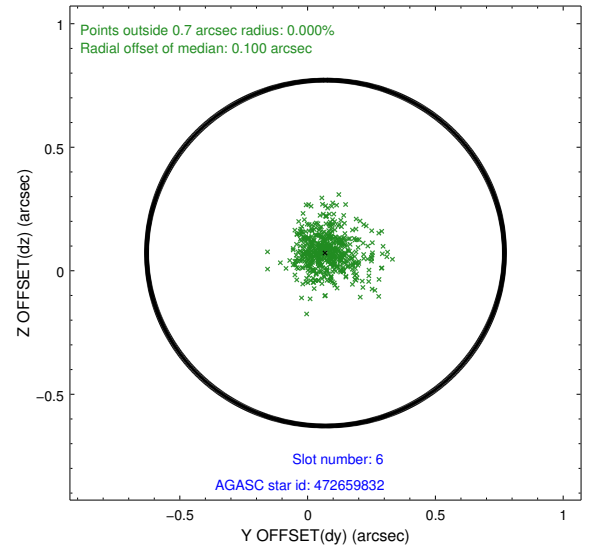
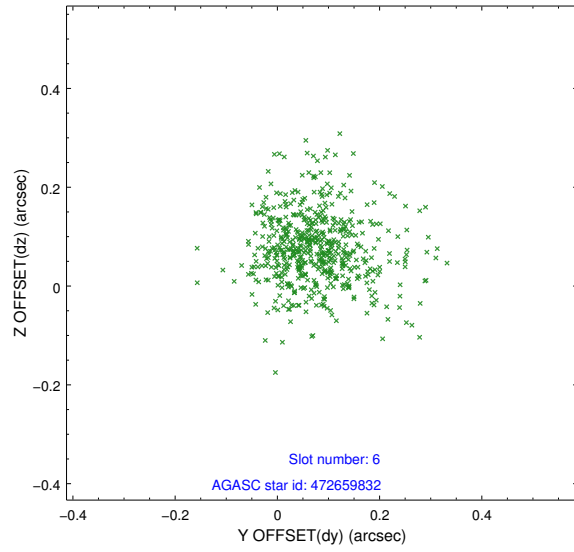
2.4.2 Slot 4



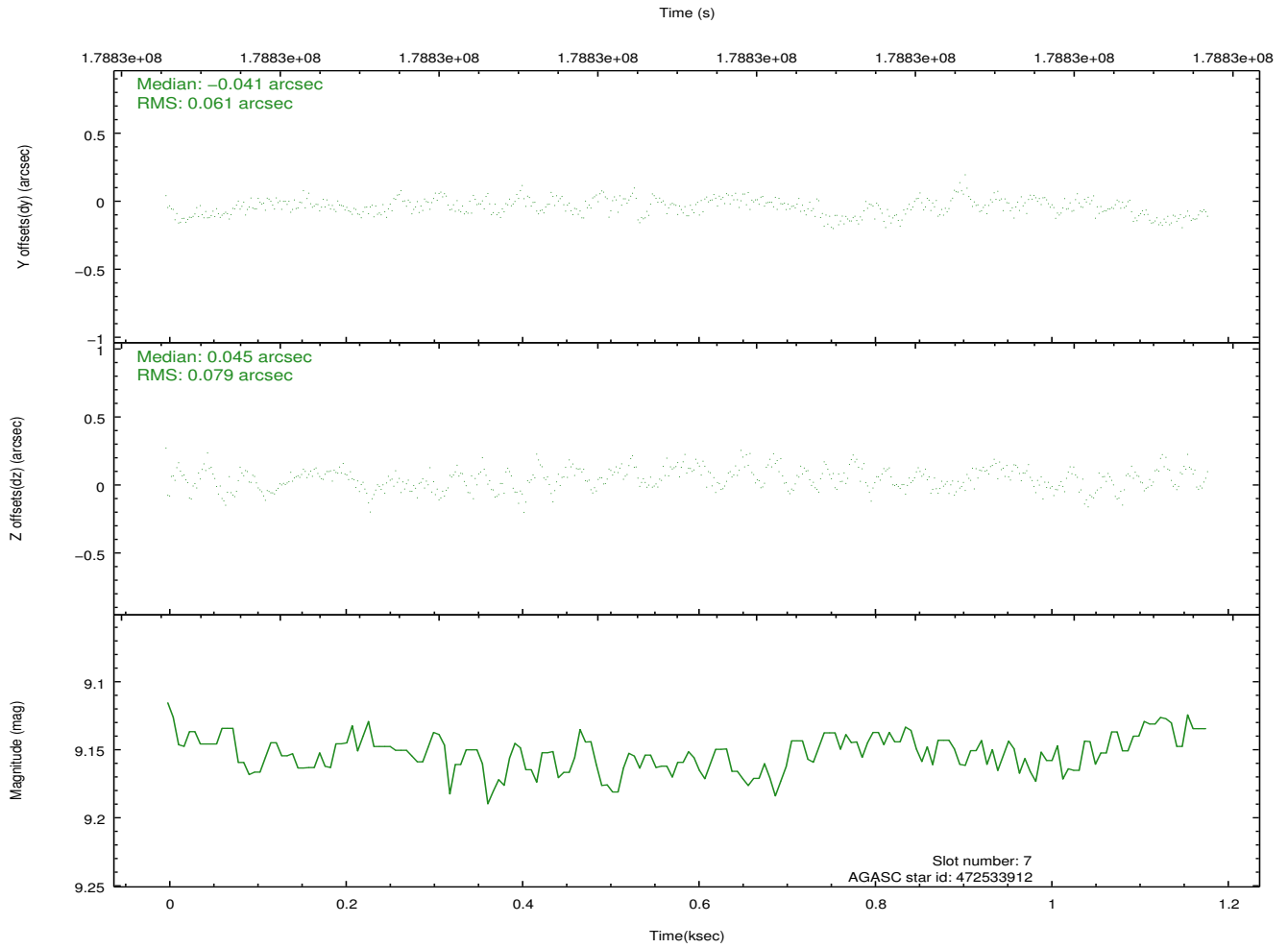
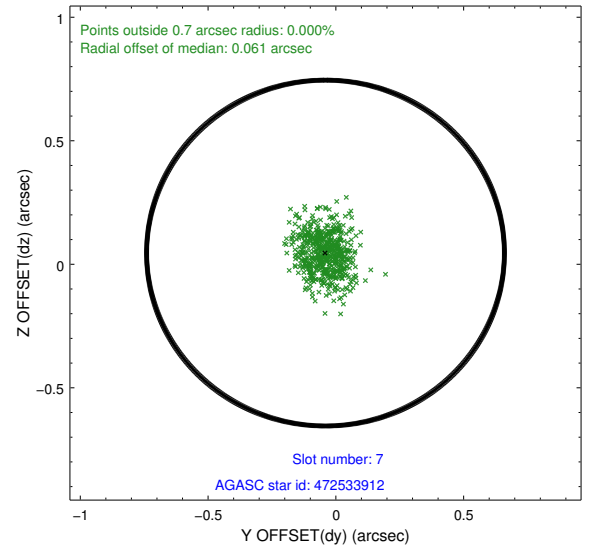
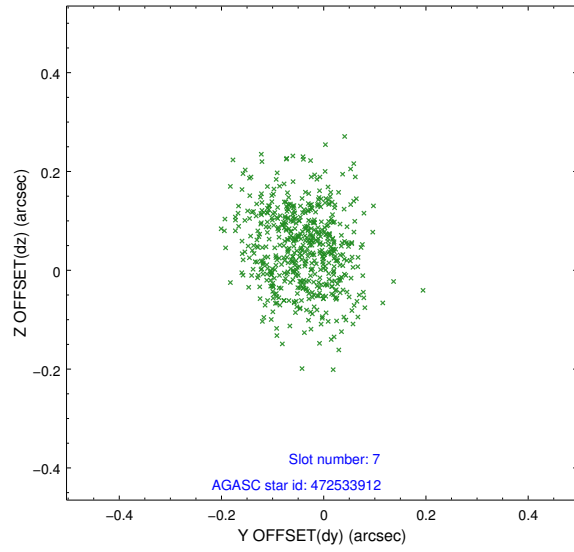
2.4.3 Slot 5



2.4.4 Slot 6

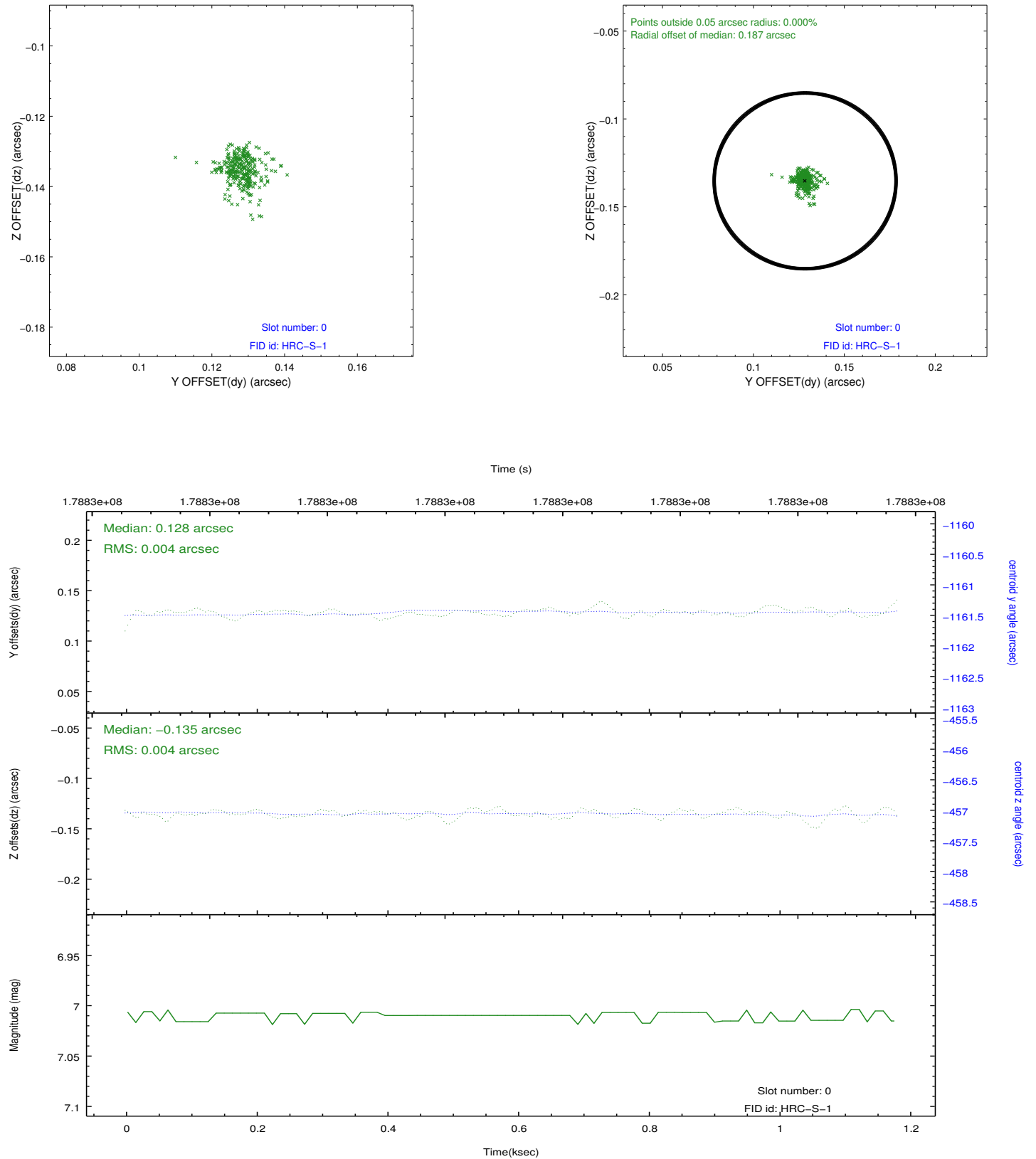


2.4.5 Slot 7

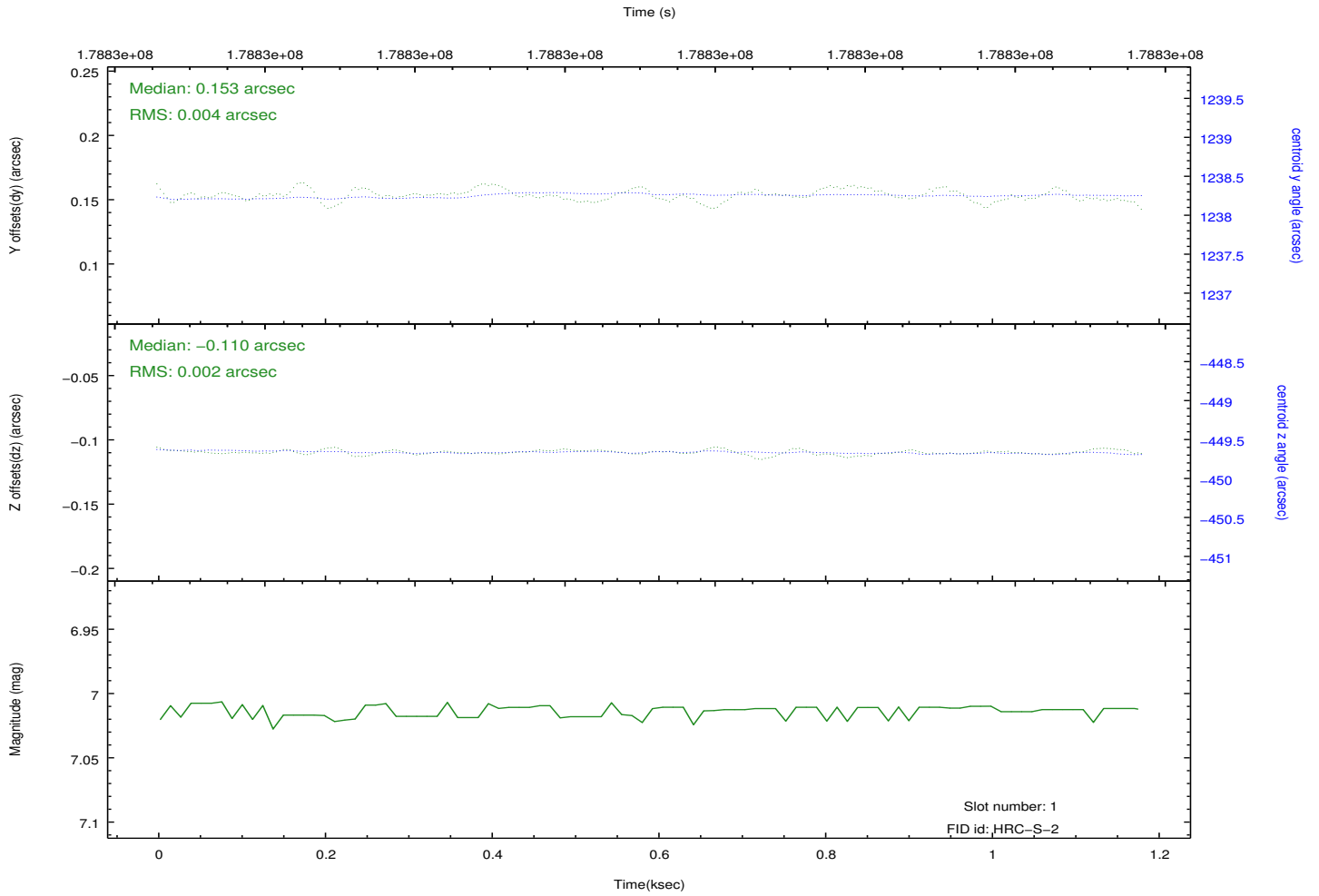
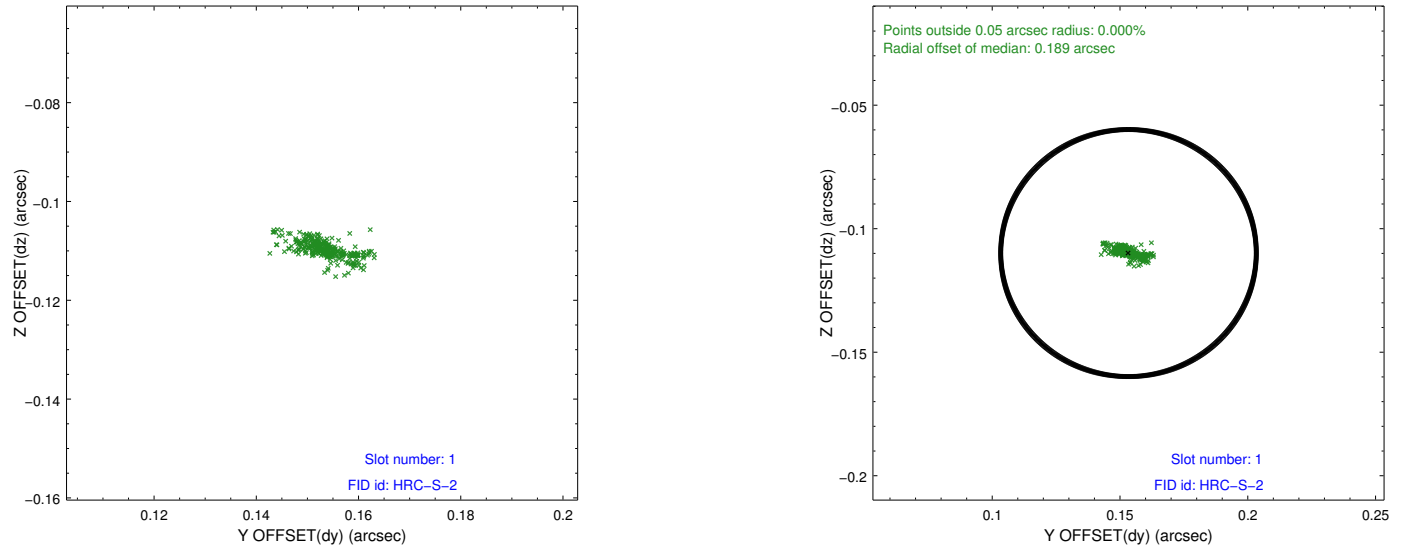


2.5 FID Slots

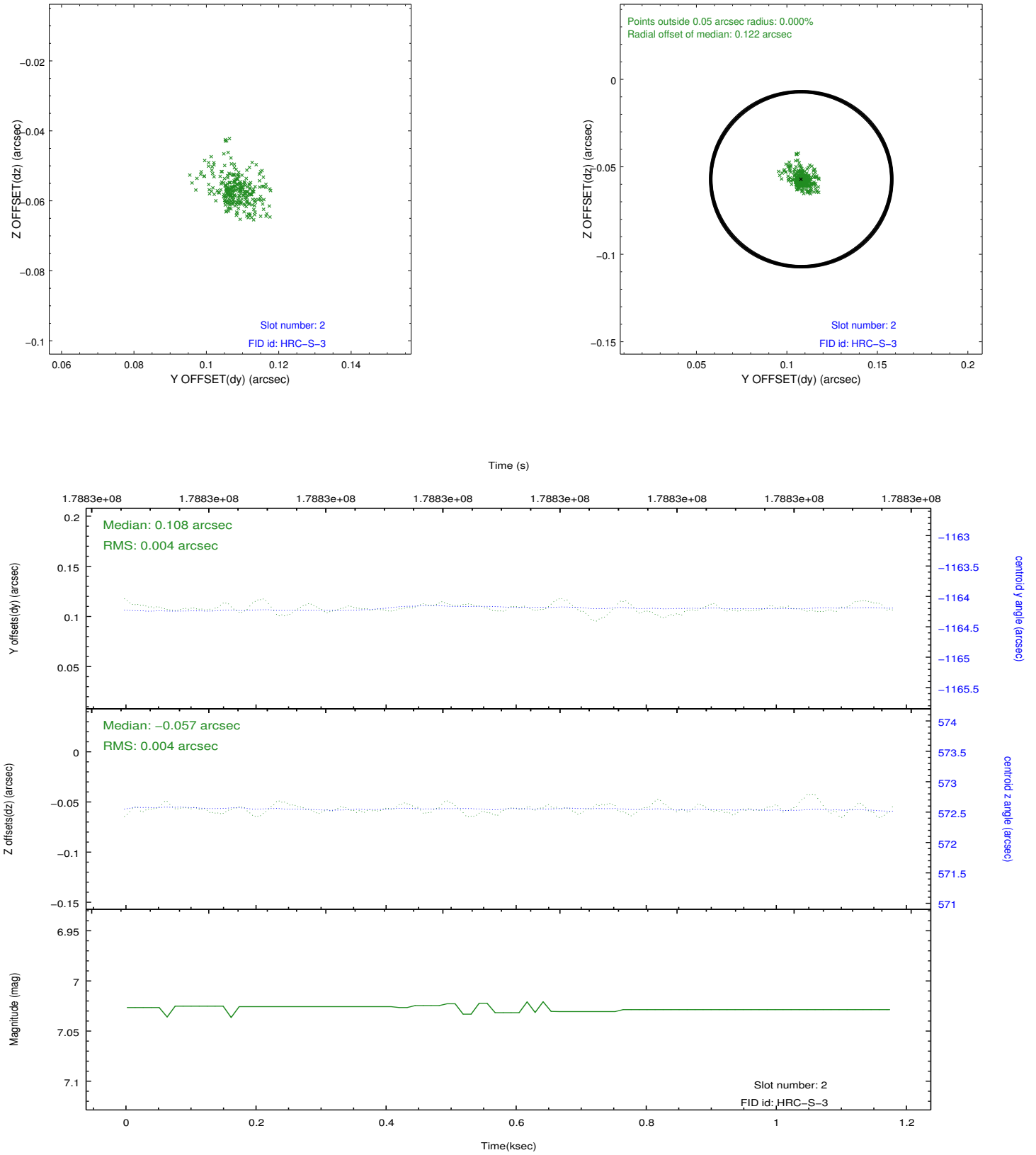
2.5.1 Slot 0



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	1.141

A.2 Comments

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