

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2445 - L2 Version 5
Chandra X-Ray Center

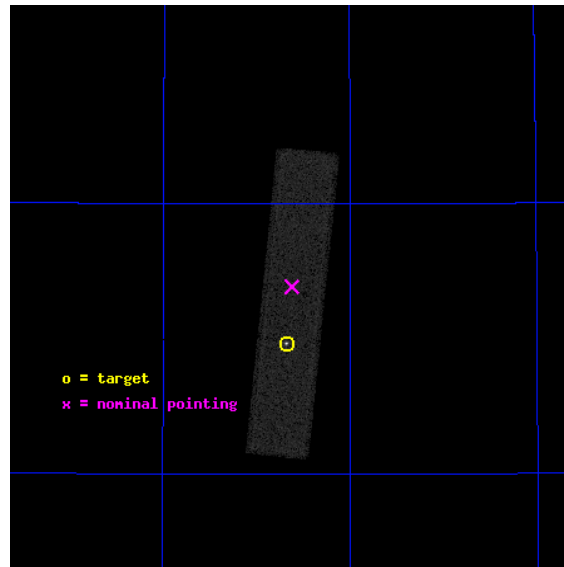
L2 Processing Date : Sep 18 2012

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

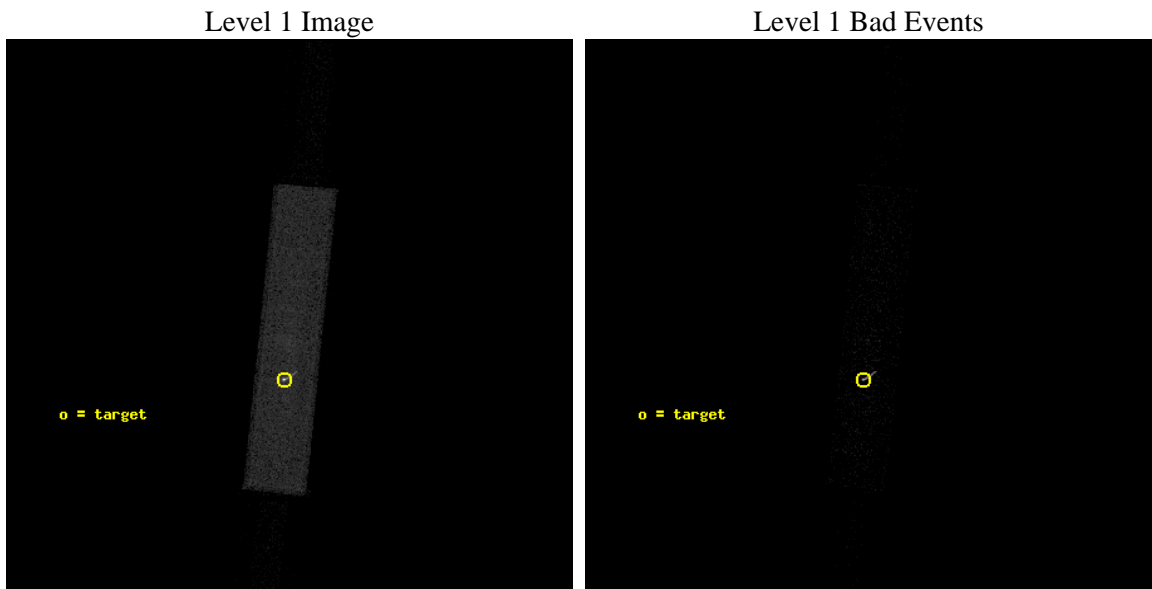
seq_num	290078	Sequence number
obs_id	2445	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1554731456	Nominal RA [deg]
dec_nom	45.846725404856	Nominal Dec [deg]
roll_nom	95.805935213825	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1375.8063034564	[s]
livetime	1368.0248520092	Ontime multiplied by DTCOR
l2events	57383	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	1234.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1375.8063034564	[s]
caldbver	4.5.1.1	 	l1events	88692	Number of level 1 events
date	2012-09-18T22:55:06	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

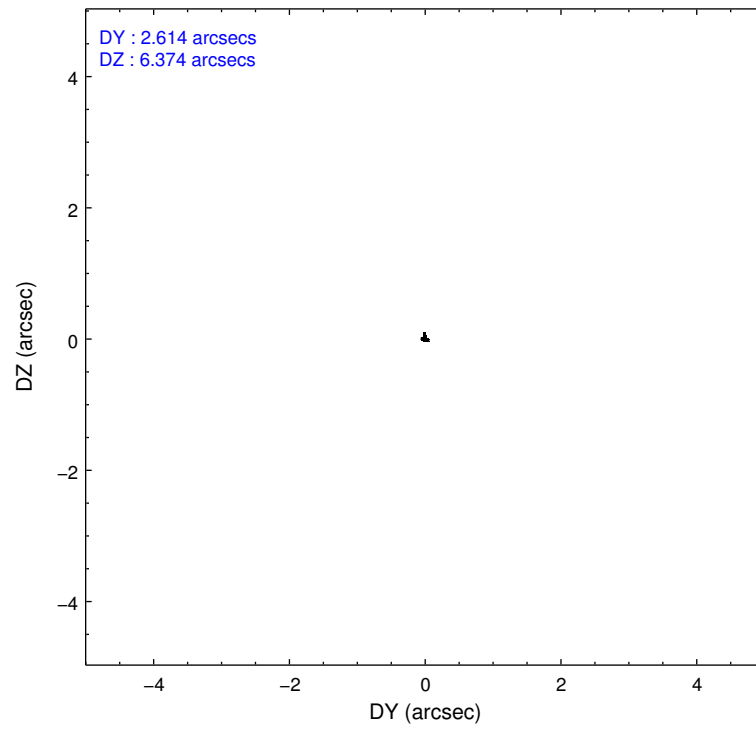
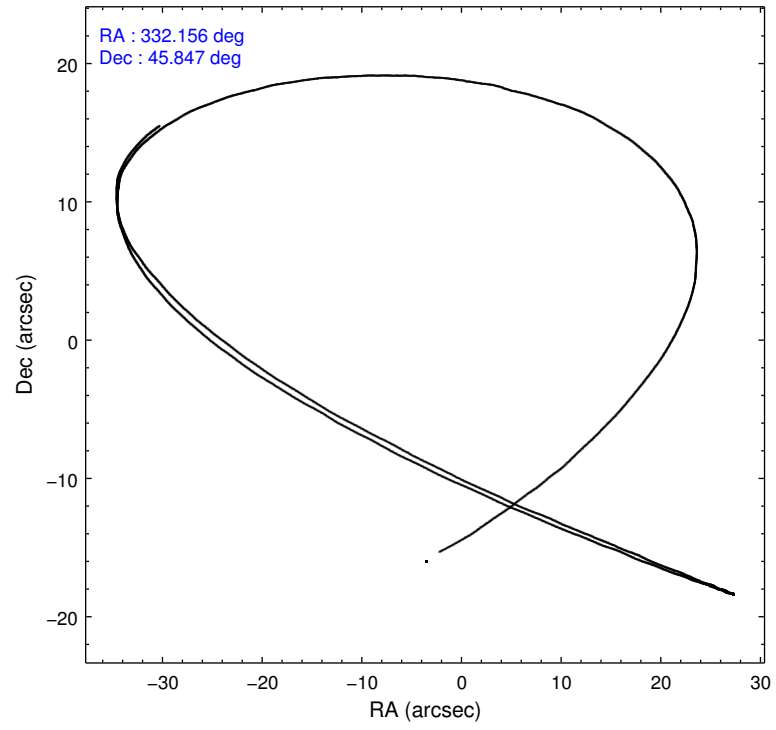
Level 1 Events

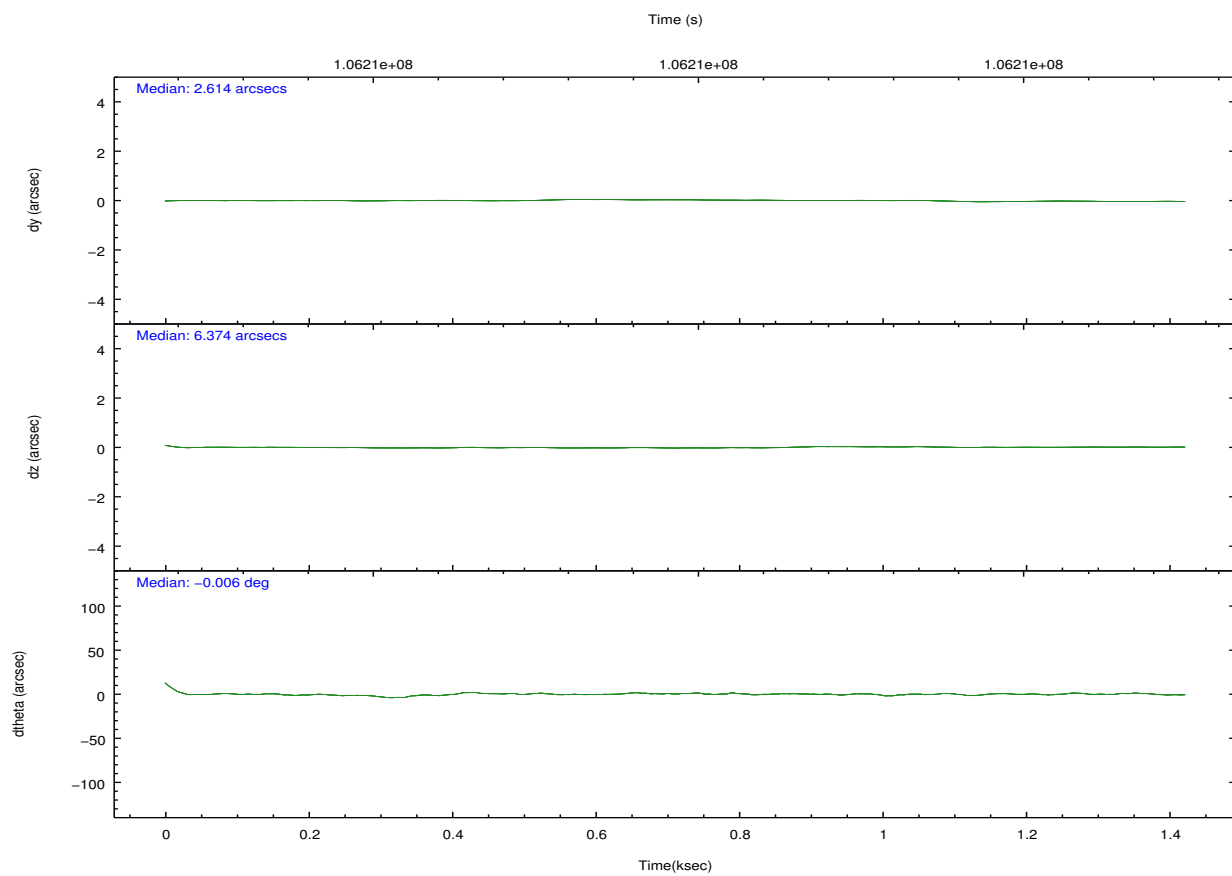
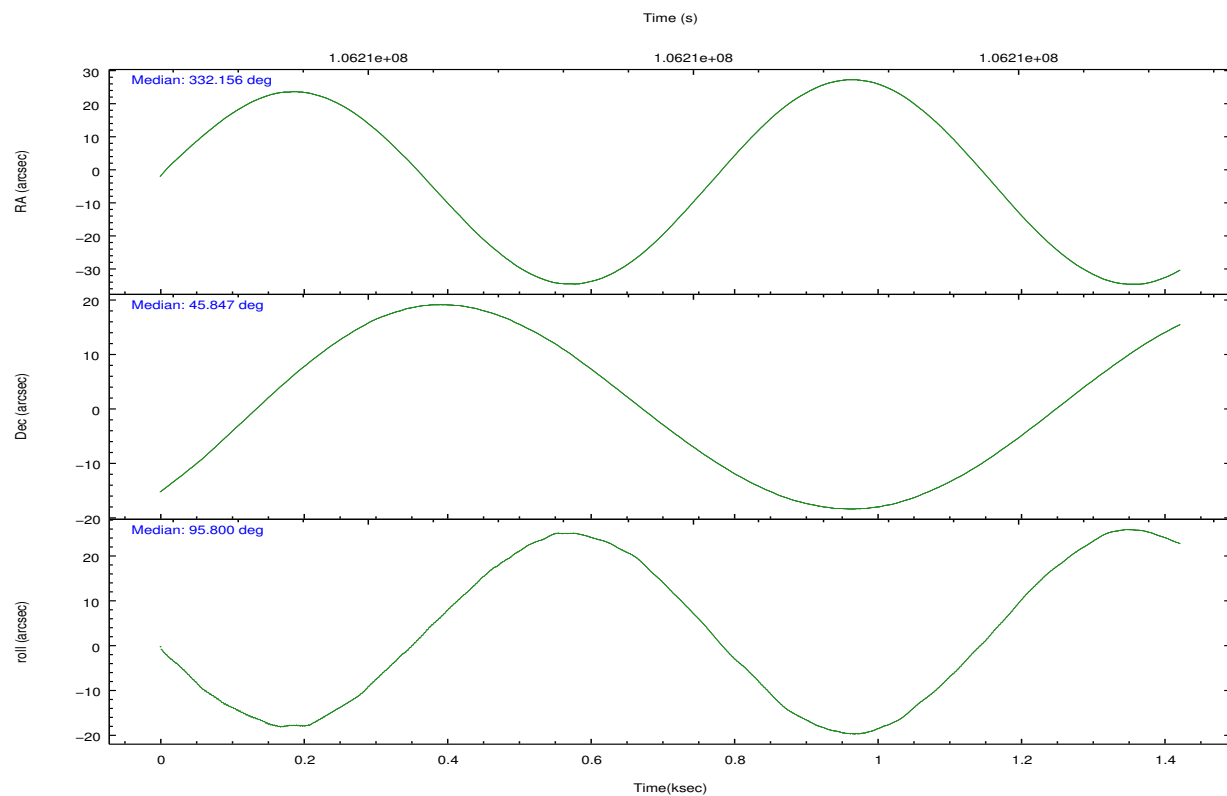
	segment 1	segment 2	segment 3
level 1 events	1132	86342	1218
rejected events	1132	17269	1218
rejected %	100%	20%	100%

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	332.180816	332.1554731456006			
[deg] Pointing Dec	45.824130	45.84672540485613			
[deg] Pointing Roll	95.720463	95.8059352138246			
[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)	106210939.184000	106210563.17107			
Observation start date	2001-05-14T07:01:15	2001-05-14T06:56:03			
[s] Observation end time (MET)	106212173.184000	106212306.69613			
Observation end date	2001-05-14T07:21:49	2001-05-14T07:25:06			

2.3 Aspect



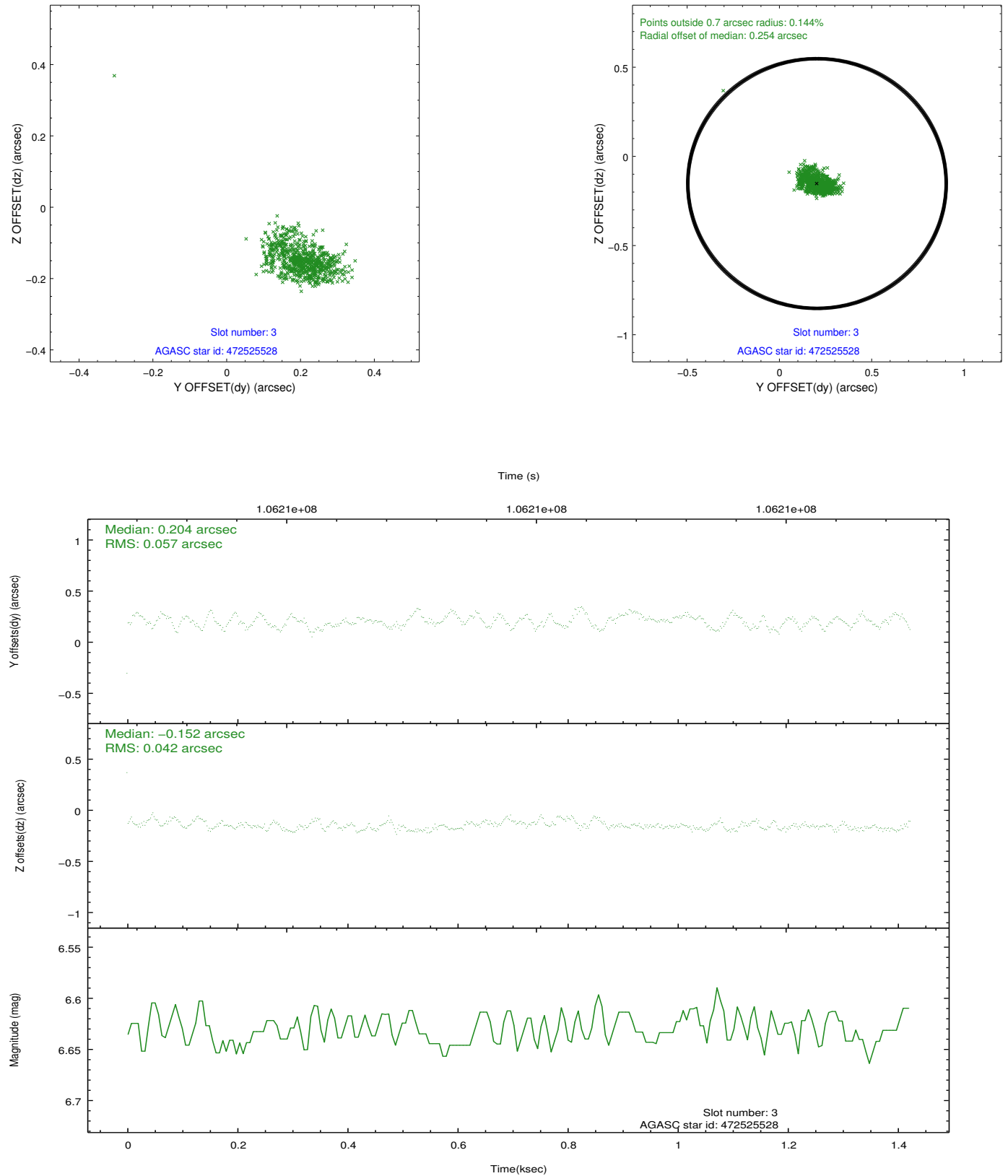


Slot Statistics

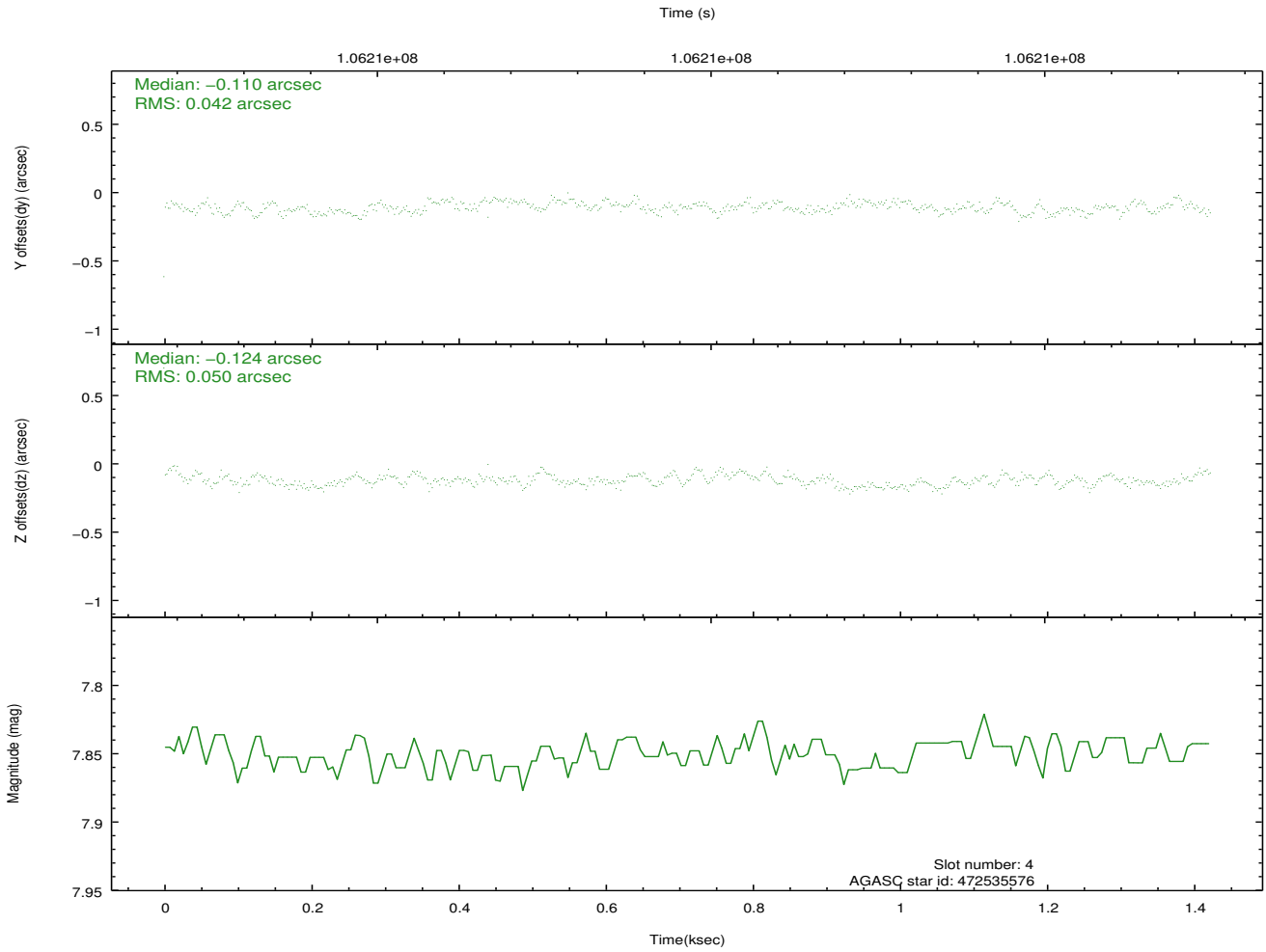
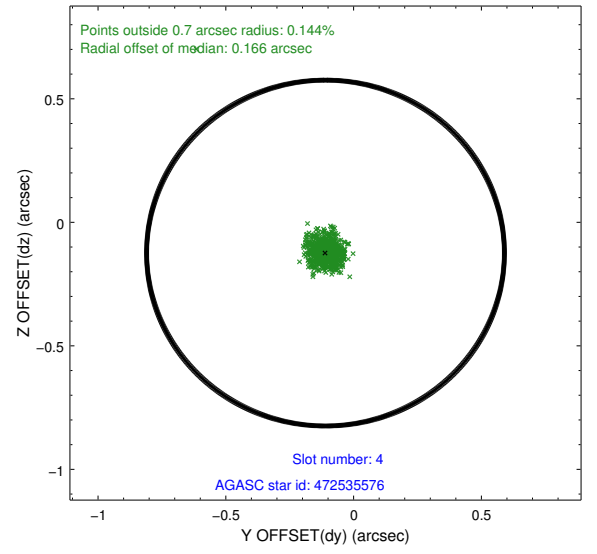
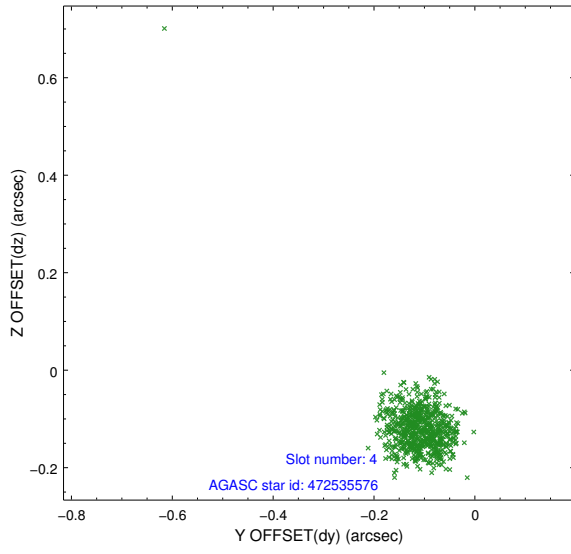
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	347	0.109	-0.111	0.006	0.012	0.000000	0.000000	-1156.65	-454.94
1	FID	HRC-S-3	7.00	347	0.152	-0.094	0.007	0.012	0.000000	0.000000	-1162.70	573.30
2	FID	HRC-S-4	6.94	347	0.126	-0.091	0.004	0.009	0.000000	0.000000	1238.24	578.92
3	GUIDE	472525528	6.63	695	0.204	-0.152	0.073	0.110	331.551102	45.248694	-1896.69	1793.56
4	GUIDE	472535576	7.85	695	-0.110	-0.124	0.057	0.089	331.438373	46.291802	1864.17	1671.57
5	GUIDE	472536328	8.13	695	-0.159	-0.030	0.048	0.076	331.496671	46.454831	2437.27	1463.87
6	GUIDE	472523760	8.24	694	0.119	0.029	0.058	0.100	331.645363	45.403260	-1365.48	1499.17
7	GUIDE	472665256	9.00	693	-0.070	0.269	0.076	0.125	332.808125	46.195041	1176.38	-1686.65

2.4 Star Slots

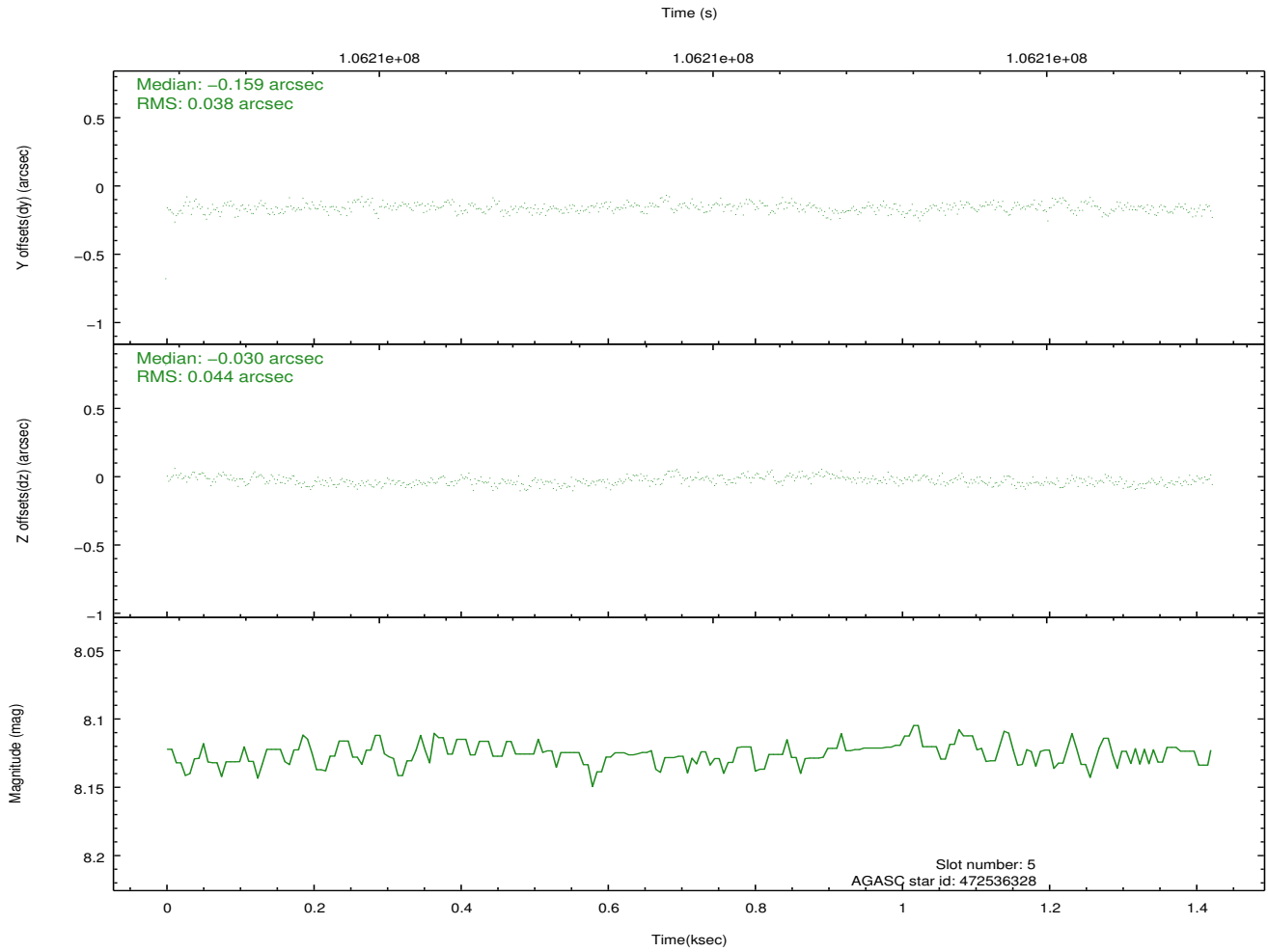
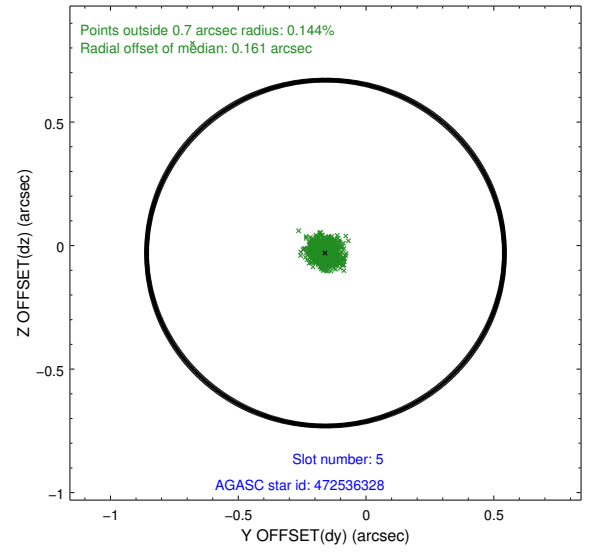
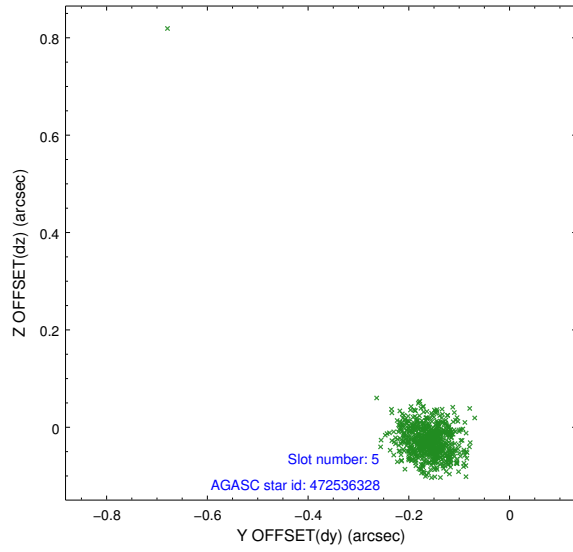
2.4.1 Slot 3



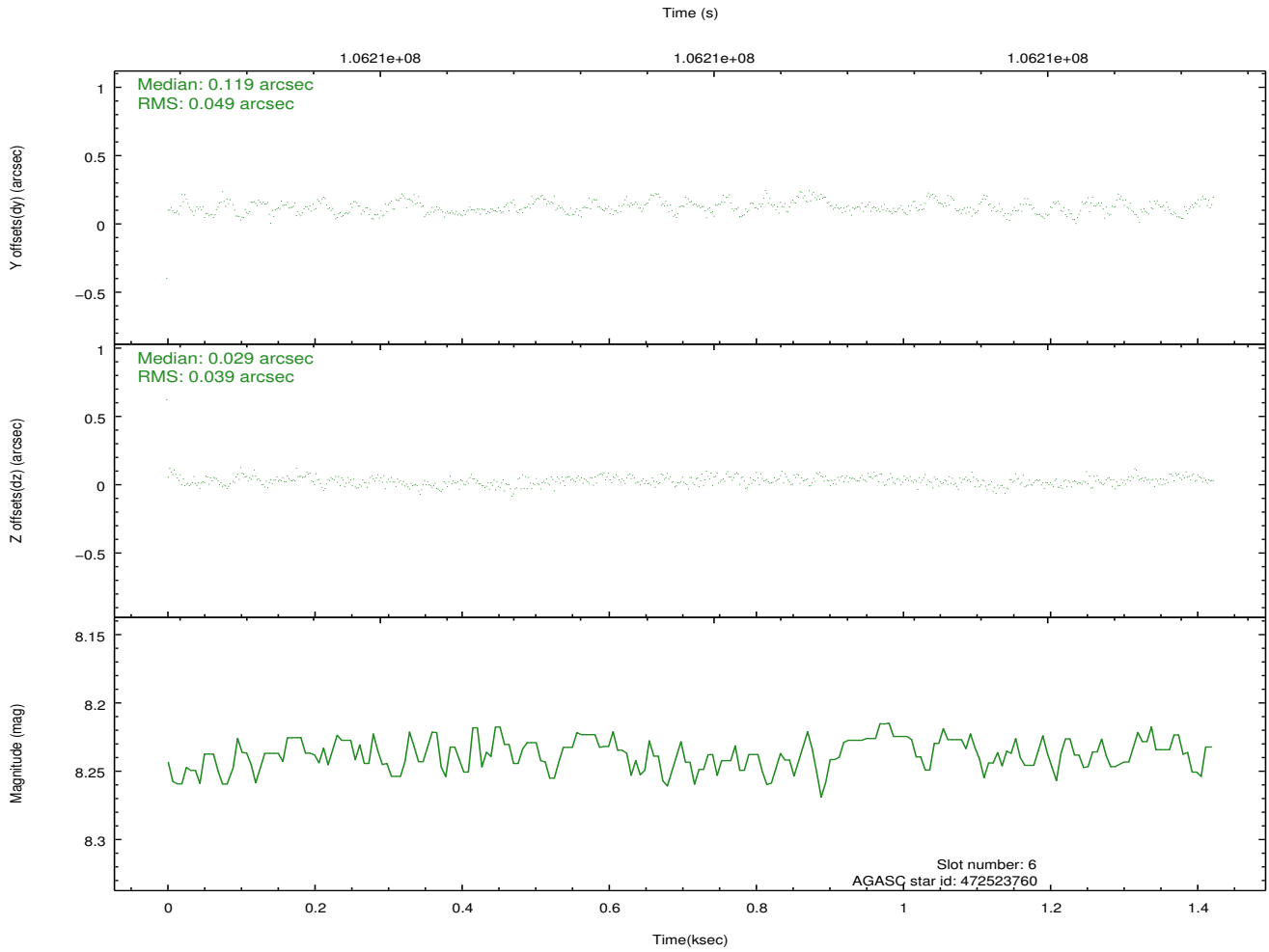
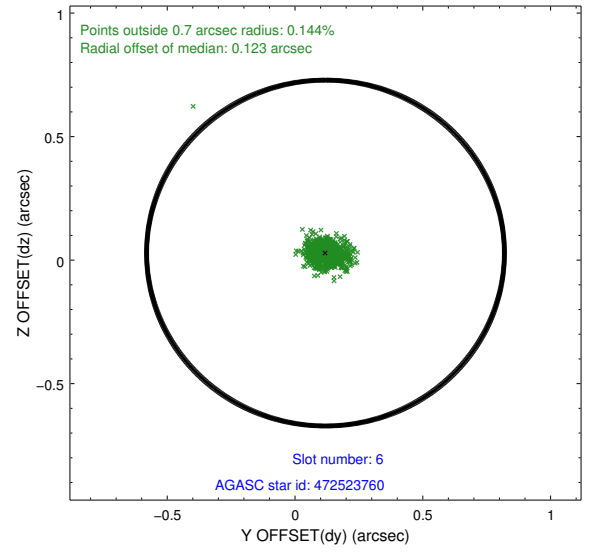
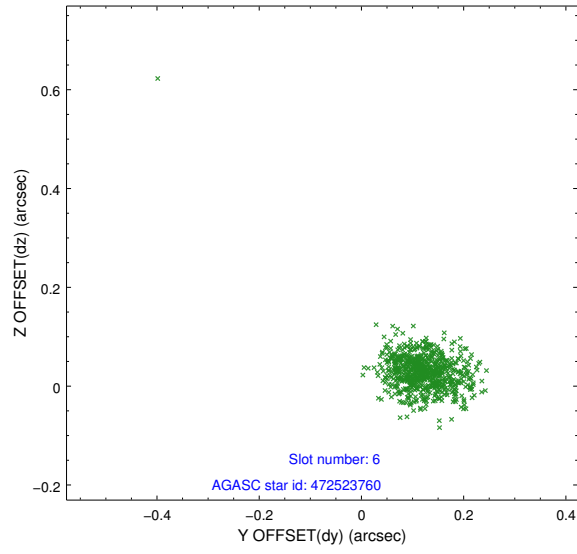
2.4.2 Slot 4



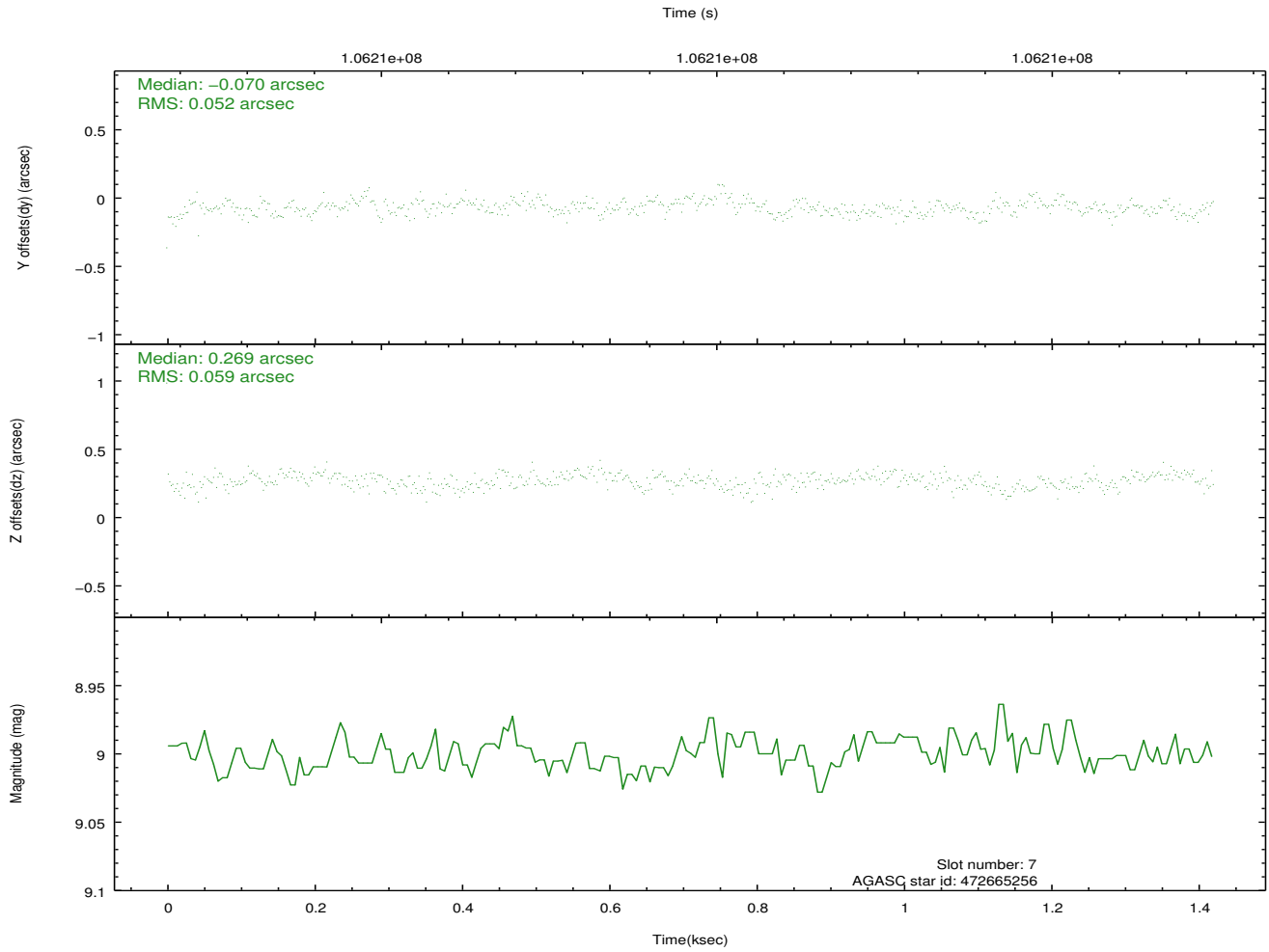
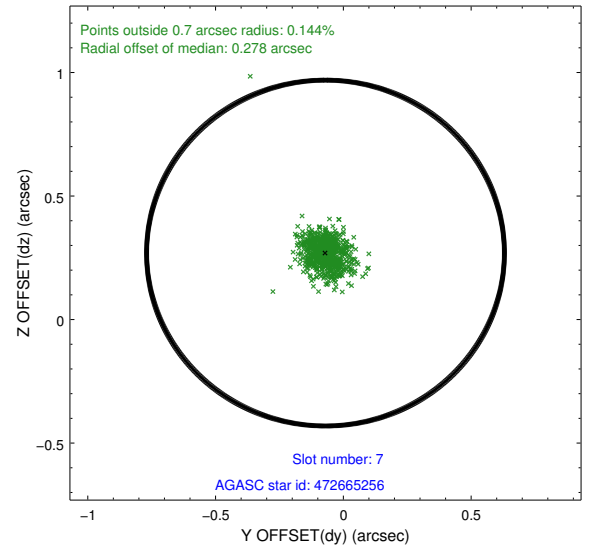
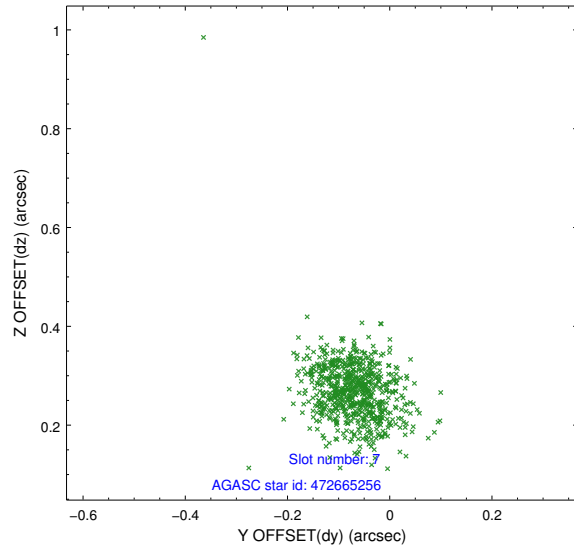
2.4.3 Slot 5



2.4.4 Slot 6

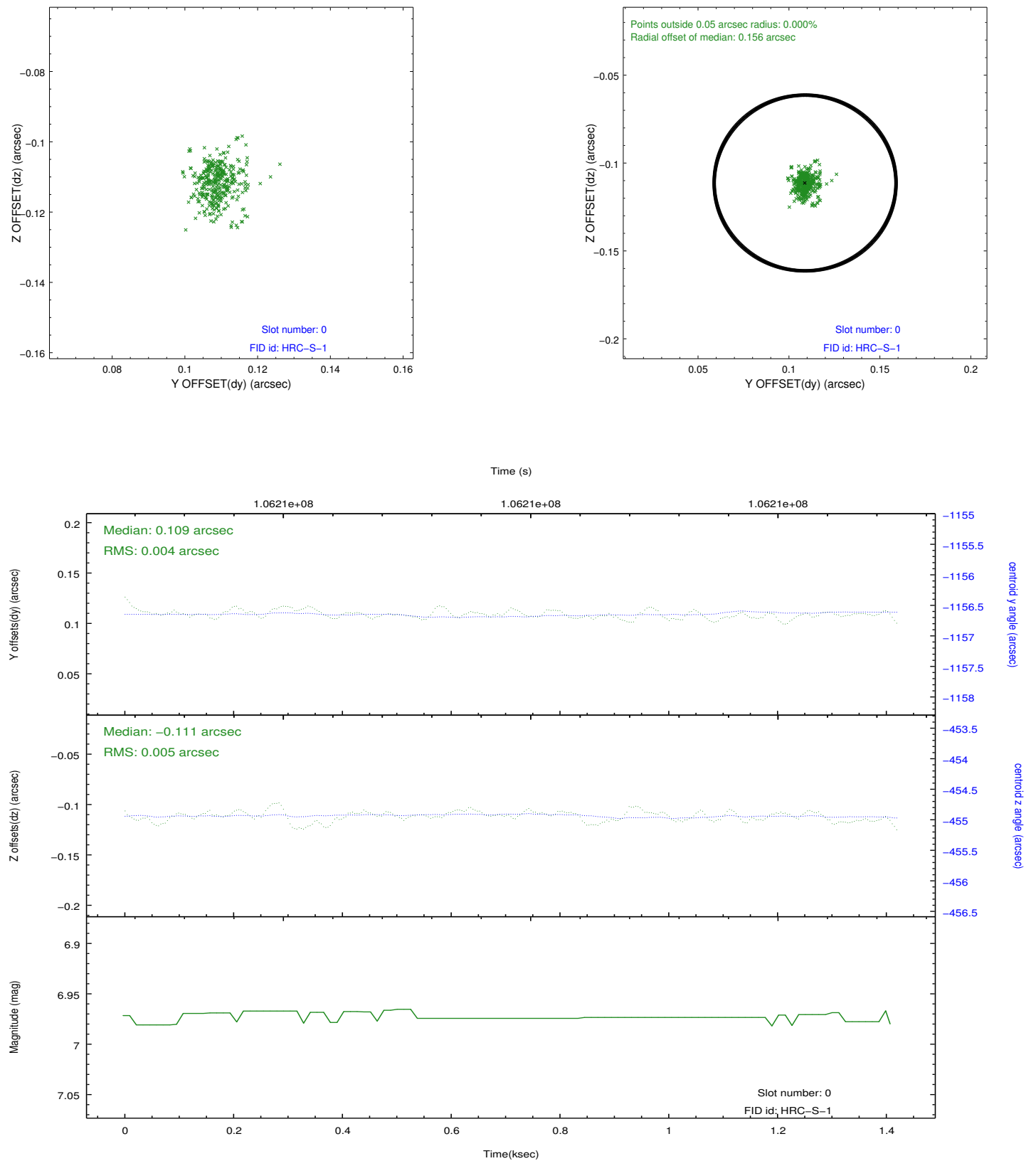


2.4.5 Slot 7

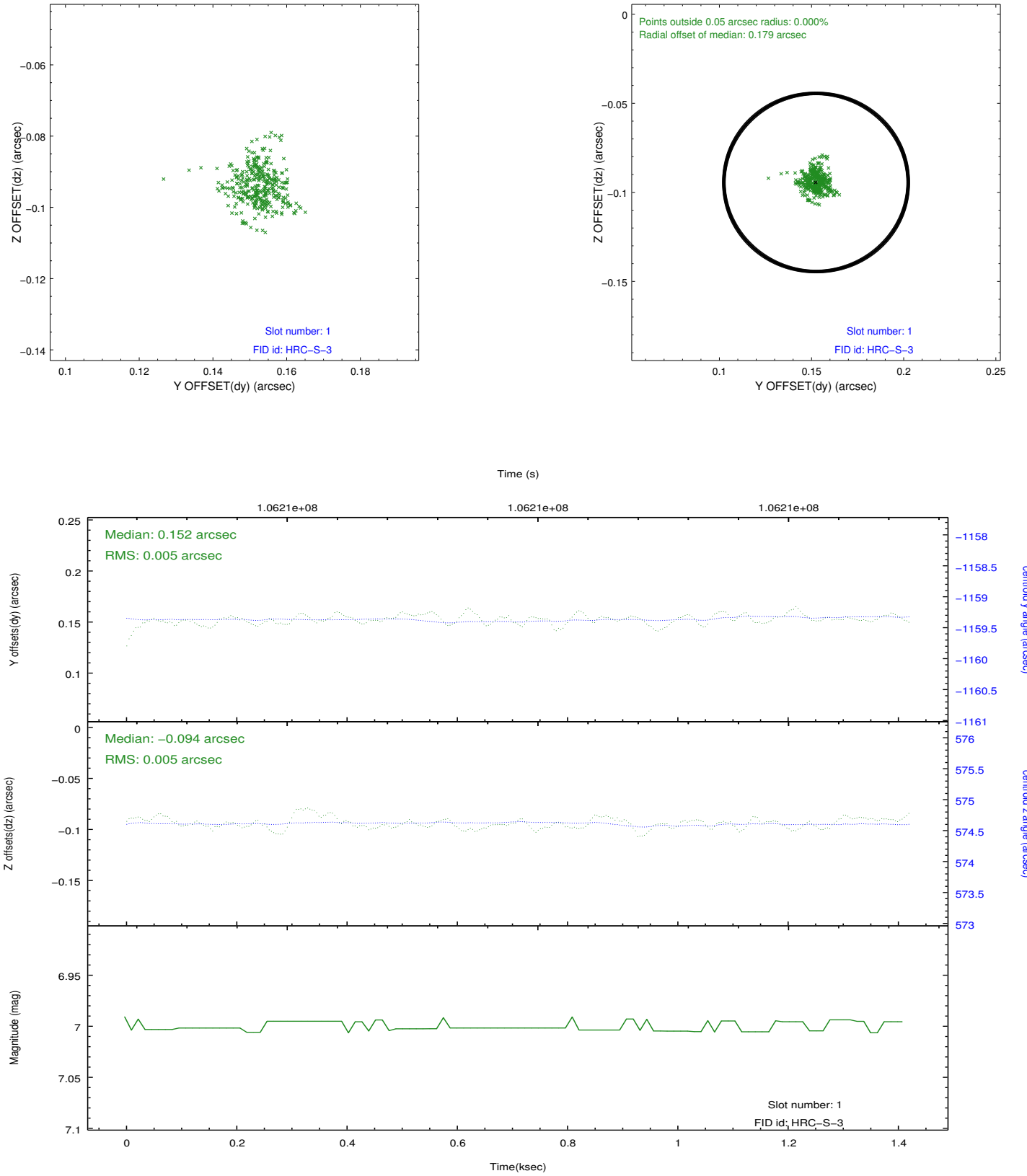


2.5 FID Slots

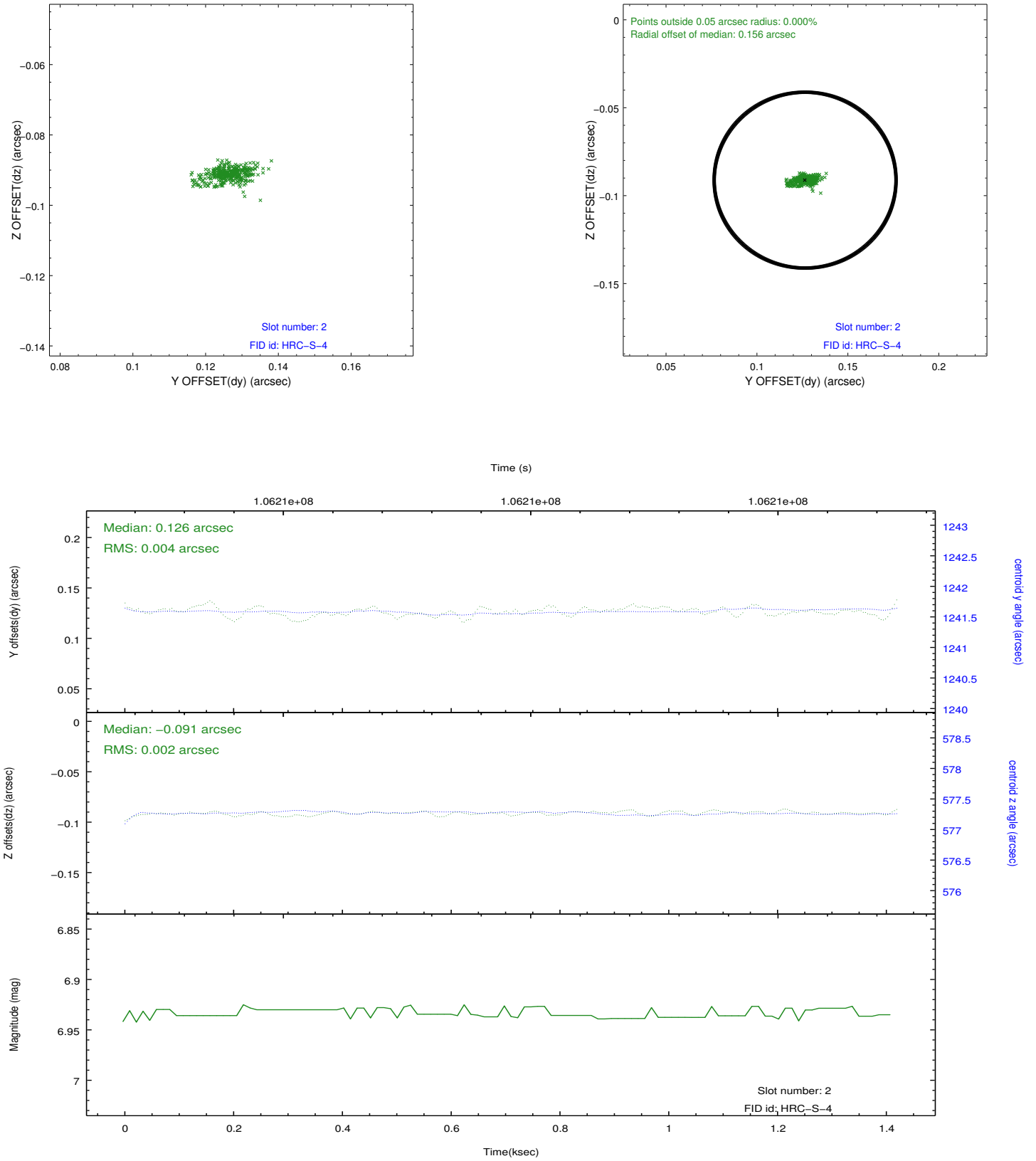
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.415

A.2 Comments

Charge time for this observation remains at previous value of 1.415 ksec.