

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 6566 - L2 Version 3
Chandra X-Ray Center

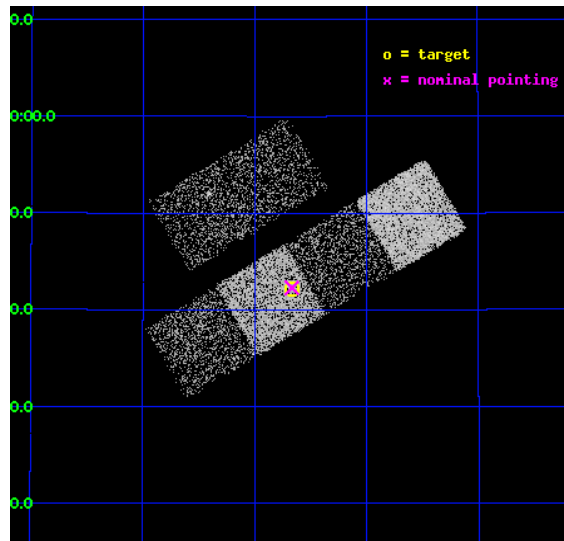
L2 Processing Date : Apr 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	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

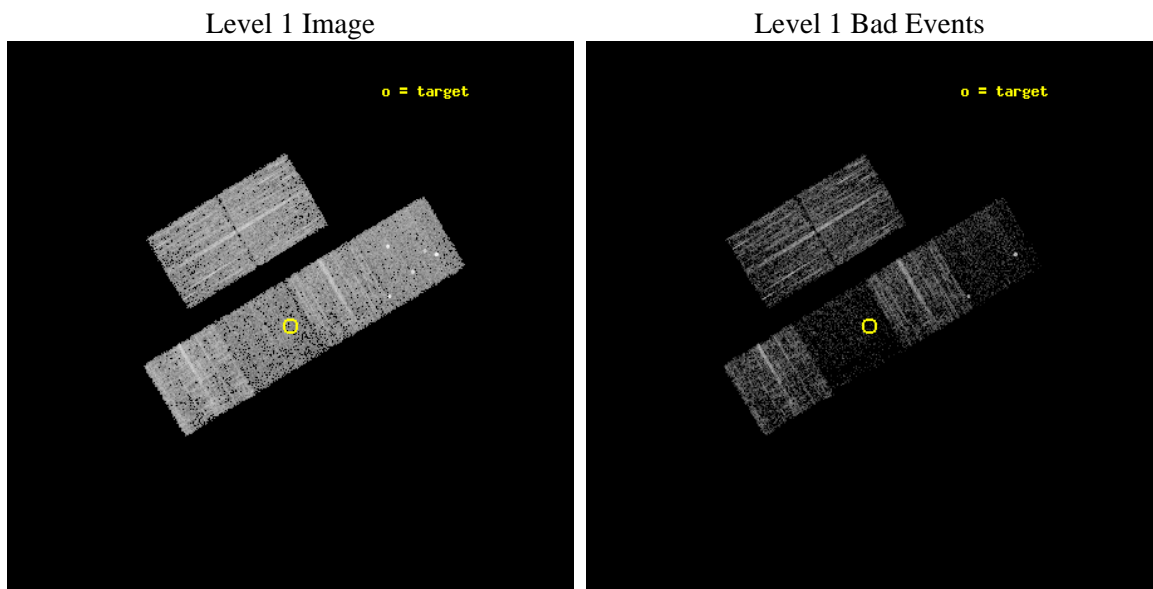
seq_num	300170	Sequence number
obs_id	6566	Observation id
title	X-ray Measures of the Three Newest Double-Degenerate AM CVn's	Pro
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J0129+3842	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	22.417083	Observer's specified target RA [deg]
dec_targ	38.702889	Observer's specified target Dec [deg]
ra_nom	22.416718289833	Nominal RA [deg]
dec_nom	38.704841687274	Nominal Dec [deg]
roll_nom	149.03985061682	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3145.5999883413	Sum of GTIs [s]
livetime	3105.768507236	Livetime [s]
ontime2	3145.5999883413	Sum of GTIs [s]
ontime3	3145.5999883413	Sum of GTIs [s]
ontime5	3145.5999883413	Sum of GTIs [s]
ontime6	3145.5999883413	Sum of GTIs [s]
ontime7	3145.5999883413	Sum of GTIs [s]
ontime8	3145.5999883413	Sum of GTIs [s]
l2events	21256	Number of level 2 events



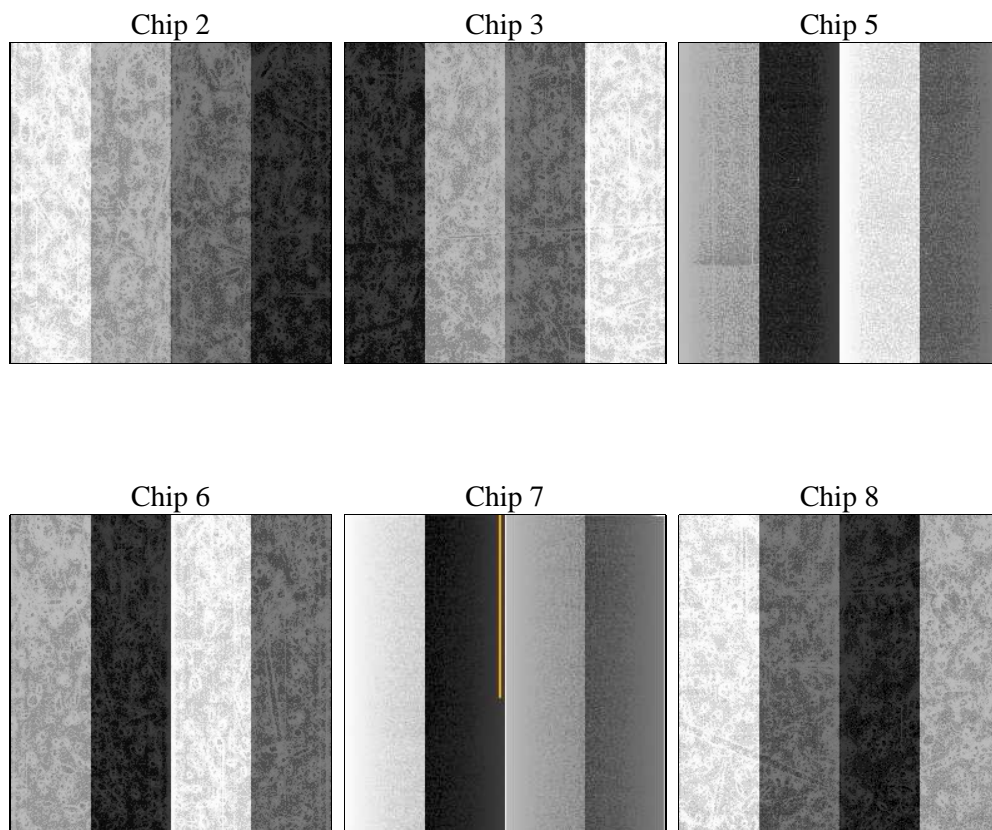
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3145.5999883413	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3145.5999883413	Sum of GTIs [s]
date	2012-04-19T16:47:15	Date and time of file creation	ontime3	3145.5999883413	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3145.5999883413	Sum of GTIs [s]
			ontime6	3145.5999883413	Sum of GTIs [s]
			ontime7	3145.5999883413	Sum of GTIs [s]
			ontime8	3145.5999883413	Sum of GTIs [s]
			l1events	153841	Number of level 1 events

2.1.4 Events

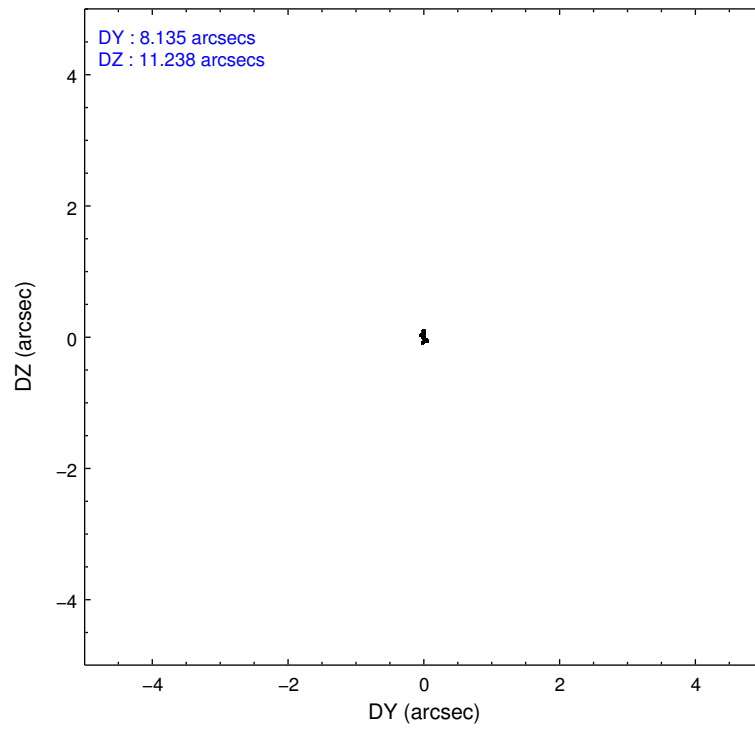
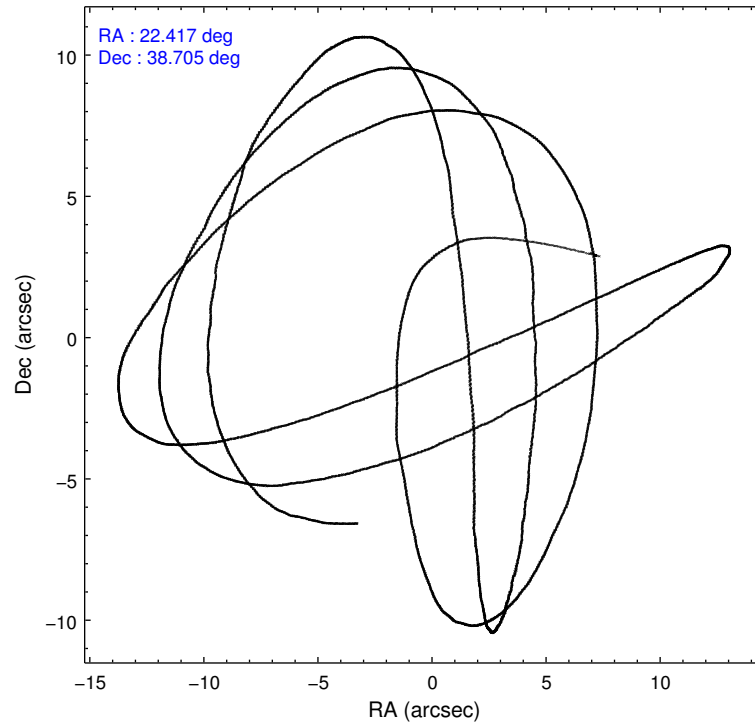
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30188	26577	24742	26730	14417	31187
rejected events	28453	24995	13012	25026	8000	25141
rejected %	94%	94%	52%	93%	55%	80%

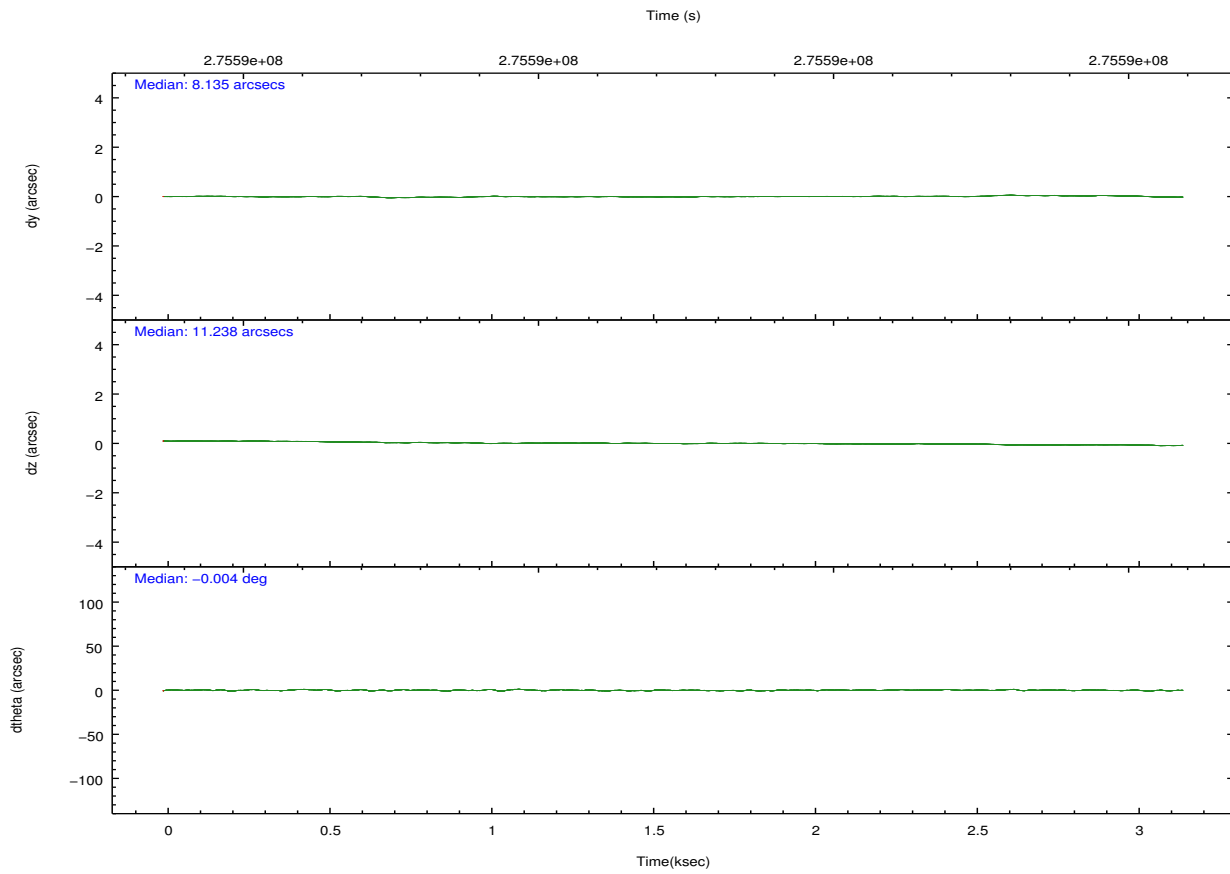
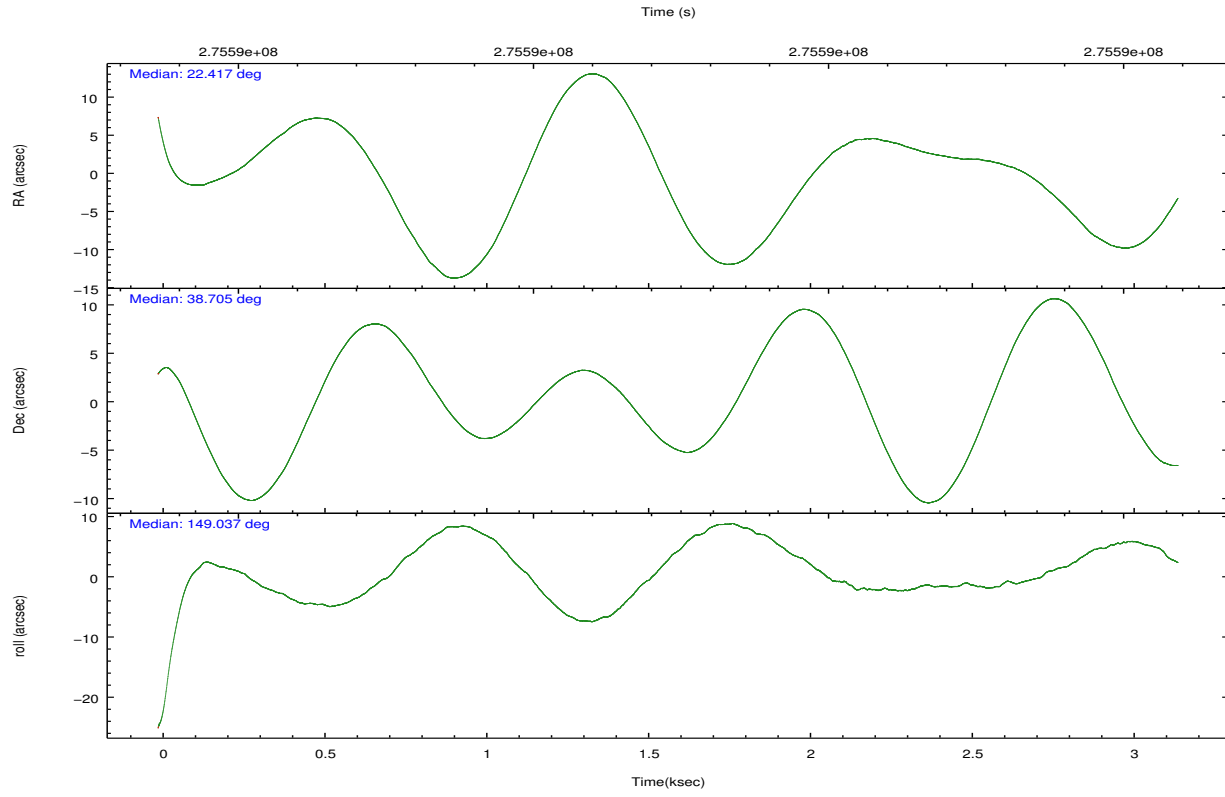
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	944	848	2945	924	1063	2003
	3%	3%	11%	3%	7%	6%
grade 1 events	15	12	202	10	45	31
	0%	0%	0%	0%	0%	0%
grade 2 events	560	455	4853	499	2034	1908
	1%	1%	19%	1%	14%	6%
grade 3 events	229	235	692	245	872	814
	0%	0%	2%	0%	6%	2%
grade 4 events	238	217	728	240	837	767
	0%	0%	2%	0%	5%	2%
grade 5 events	404	484	1952	471	1515	857
	1%	1%	7%	1%	10%	2%
grade 6 events	305	345	6118	365	3596	2195
	1%	1%	24%	1%	24%	7%
grade 7 events	27493	23981	7252	23976	4455	22612
	91%	90%	29%	89%	30%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	22.451718	22.41671828983306	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.704870	38.70484168727425	Alternating exposures requested	N	N
[deg] Pointing Roll	148.861403	149.0398506168195	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	275590024.184000	275588482.09554			
Observation start date	2006-09-25T16:45:59	2006-09-25T16:21:22			
[s] Observation end time (MET)	275593024.184000	275593357.50827			
Observation end date	2006-09-25T17:35:59	2006-09-25T17:42:37			
Read mode	TIMED	TIMED			

2.3 Aspect



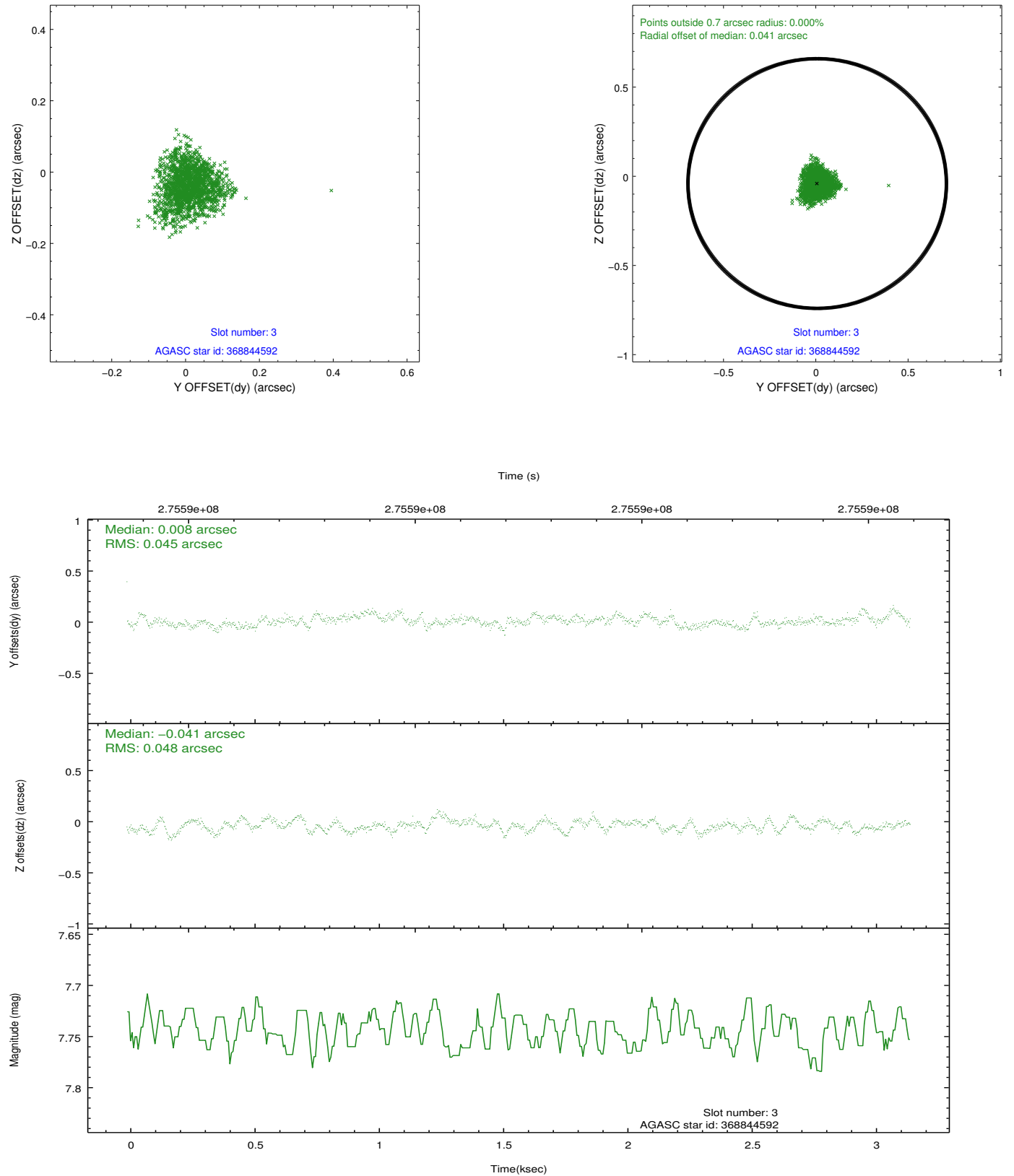


Slot Statistics

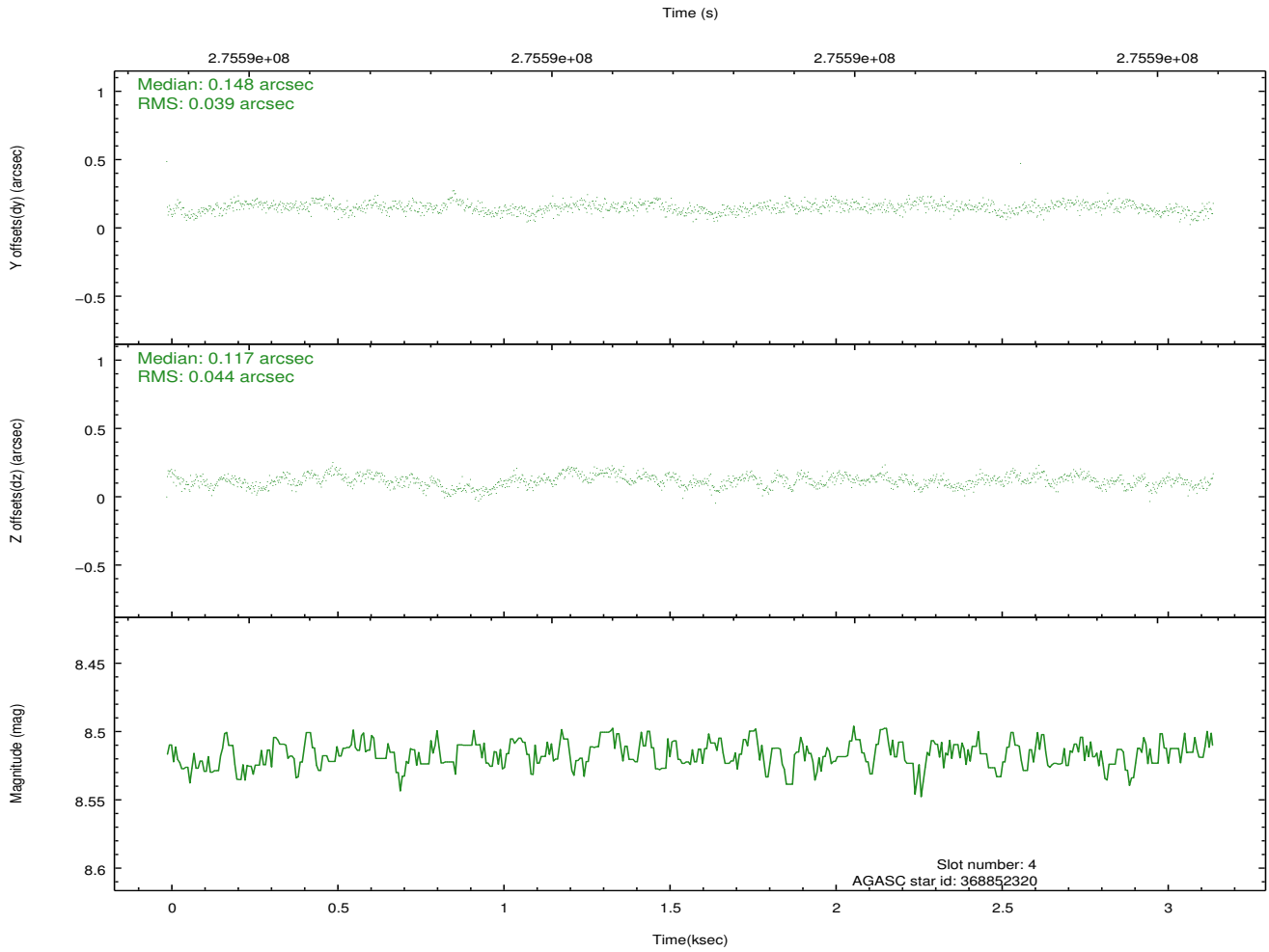
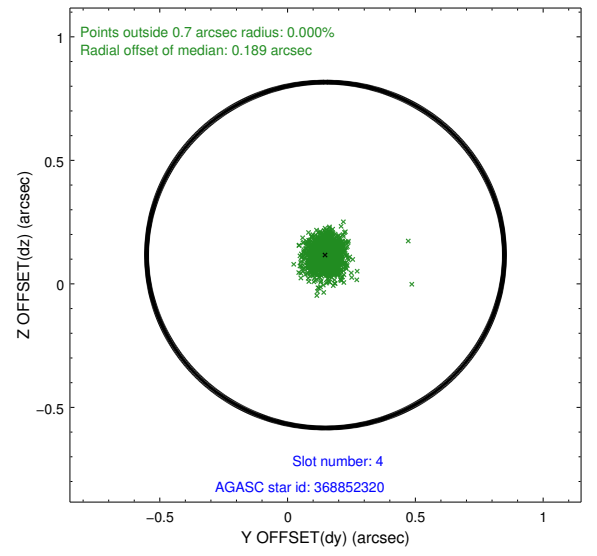
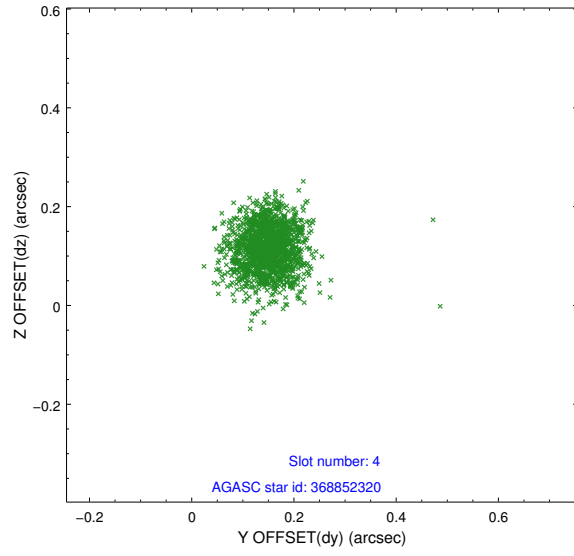
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	769	-0.060	-0.039	0.006	0.011	0.000000	0.000000	-760.97	-1732.51
1	FID	ACIS-S-4	7.21	769	0.075	0.021	0.006	0.010	0.000000	0.000000	2151.51	173.96
2	FID	ACIS-S-6	7.35	769	-0.043	0.025	0.006	0.010	0.000000	0.000000	403.61	813.64
3	GUIDE	368844592	7.74	1538	0.008	-0.041	0.072	0.111	22.859621	38.767124	-862.41	-786.39
4	GUIDE	368852320	8.52	1538	0.148	0.117	0.062	0.098	23.275310	38.570570	-2229.13	-794.45
5	GUIDE	369241368	9.30	1535	-0.143	0.062	0.086	0.137	22.185757	39.465321	2047.77	-1962.53
6	GUIDE	368706496	8.72	1537	-0.094	0.020	0.075	0.121	21.981374	39.364290	2351.47	-1359.18
7	GUIDE	368849920	7.26	1475	0.084	-0.167	0.068	0.111	23.064790	38.271936	-2283.75	431.91

2.4 Star Slots

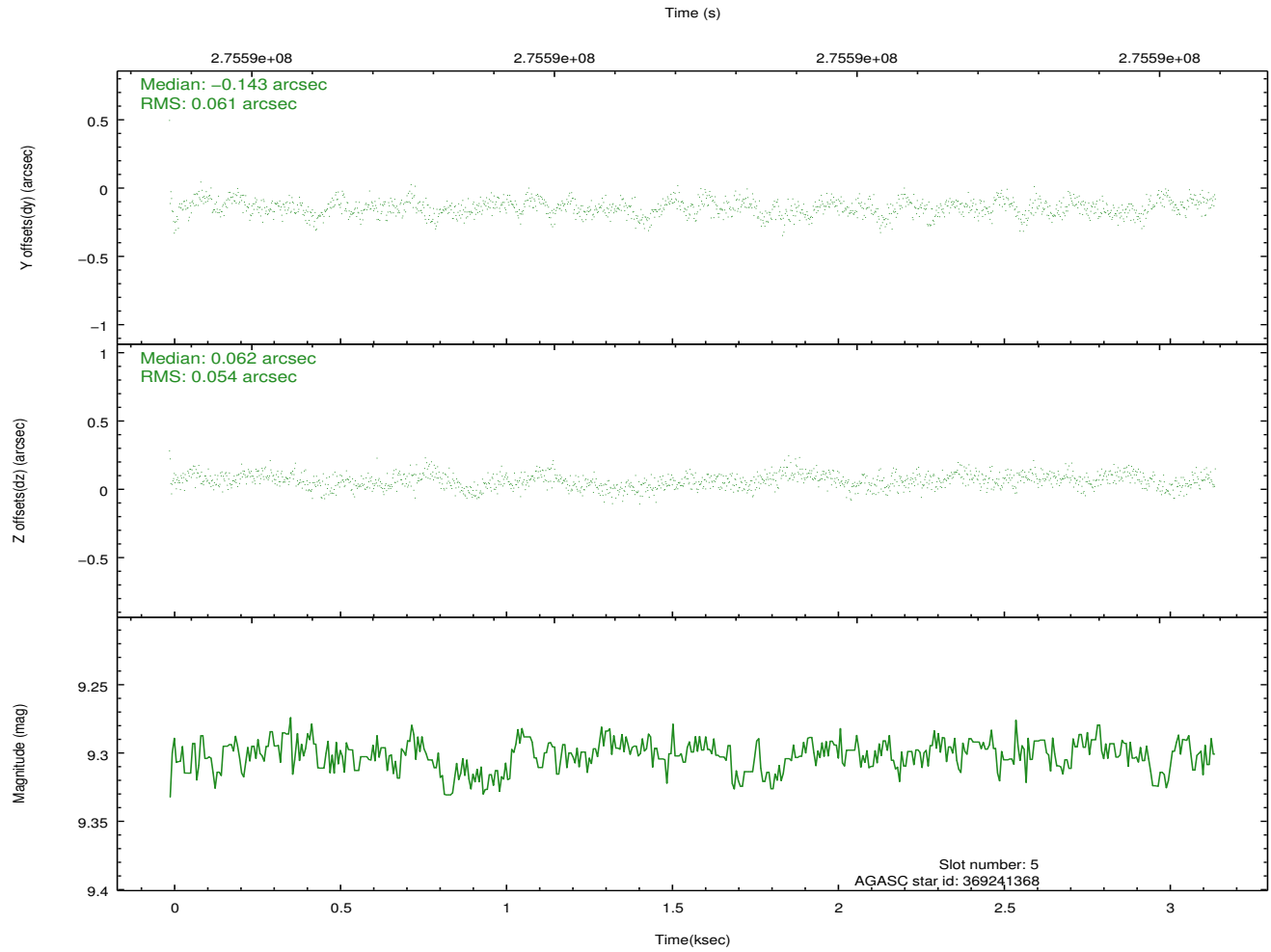
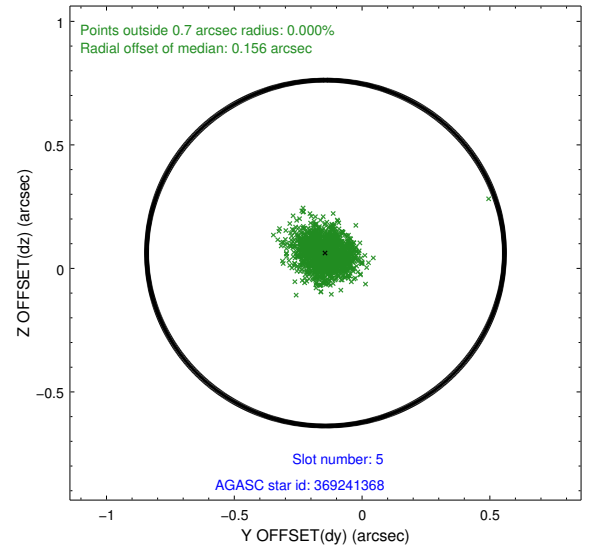
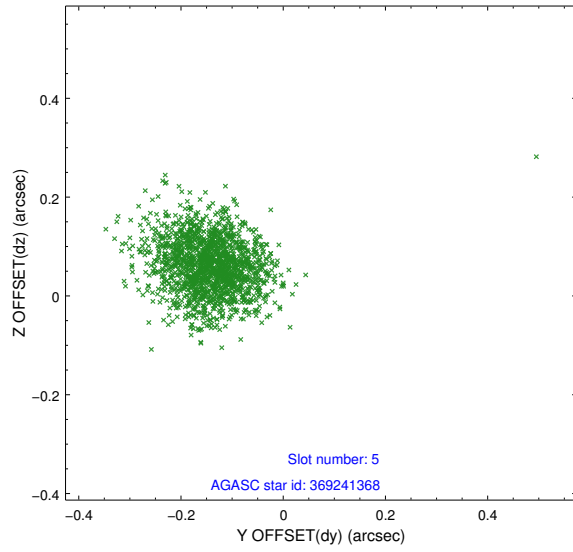
2.4.1 Slot 3



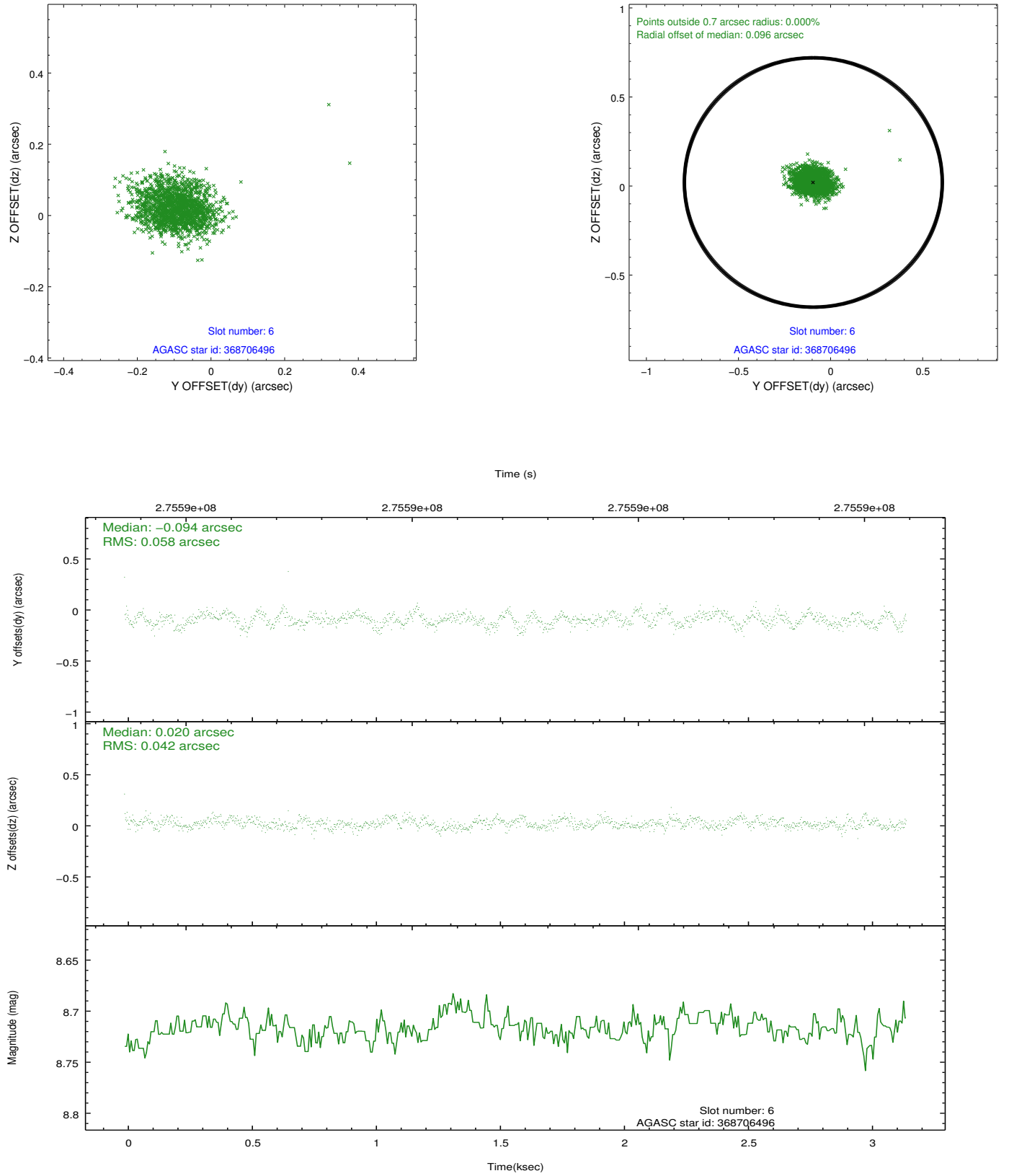
2.4.2 Slot 4



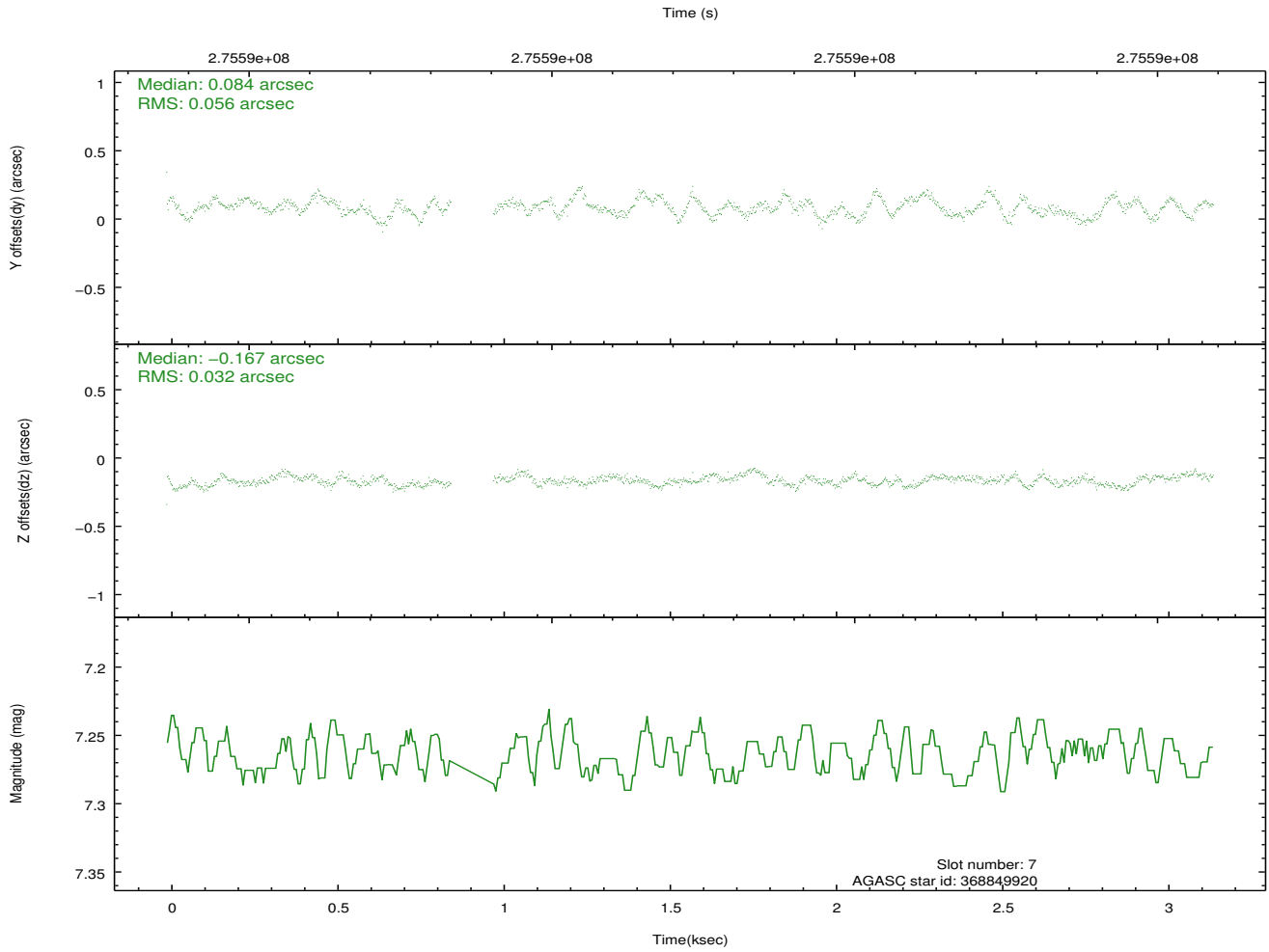
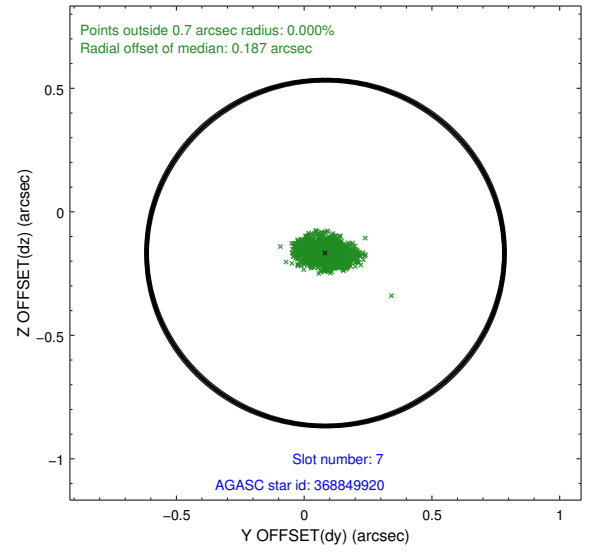
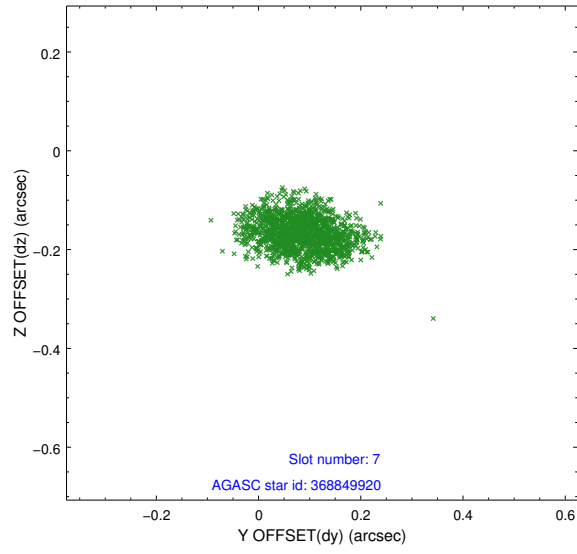
2.4.3 Slot 5



2.4.4 Slot 6

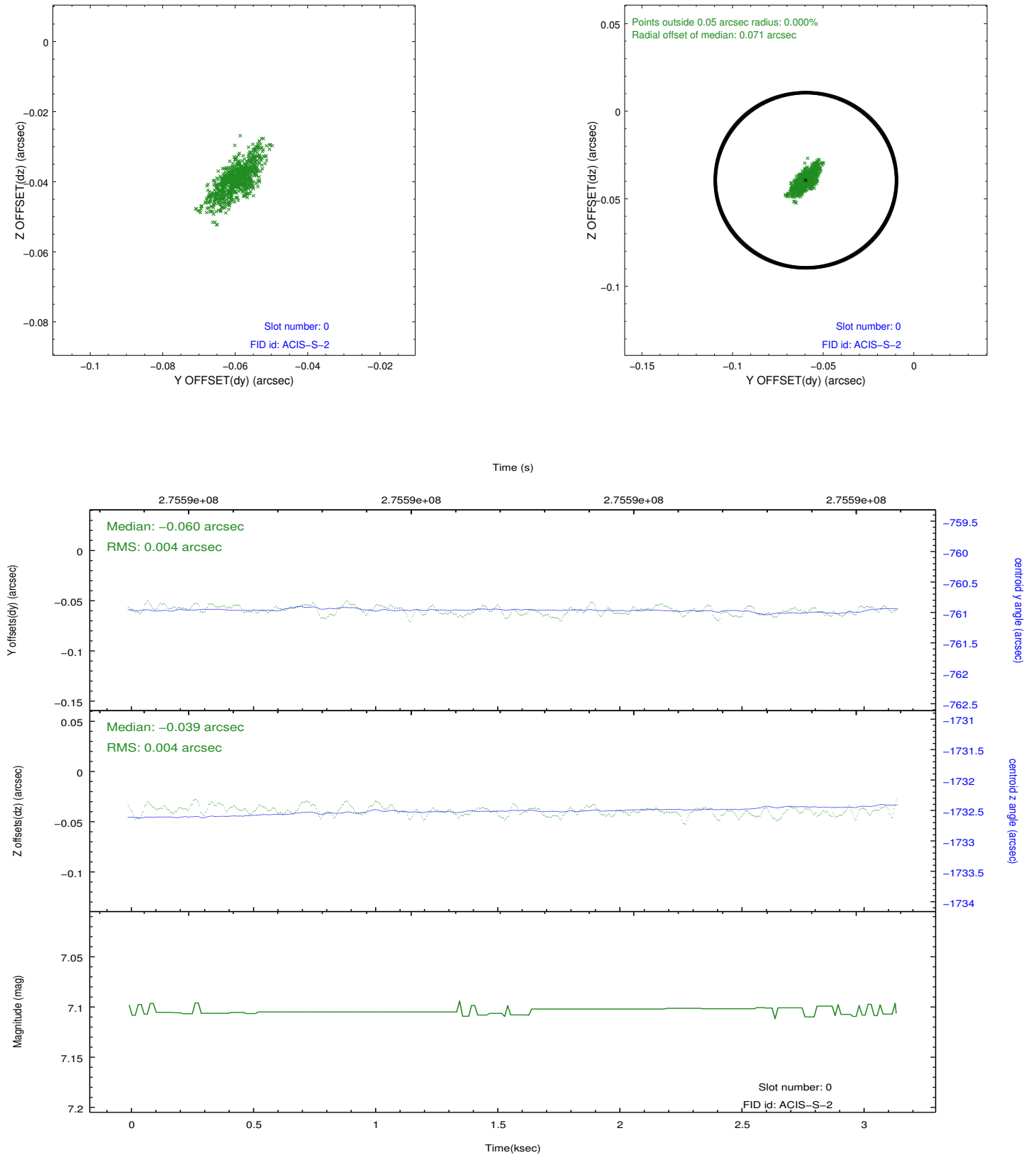


2.4.5 Slot 7

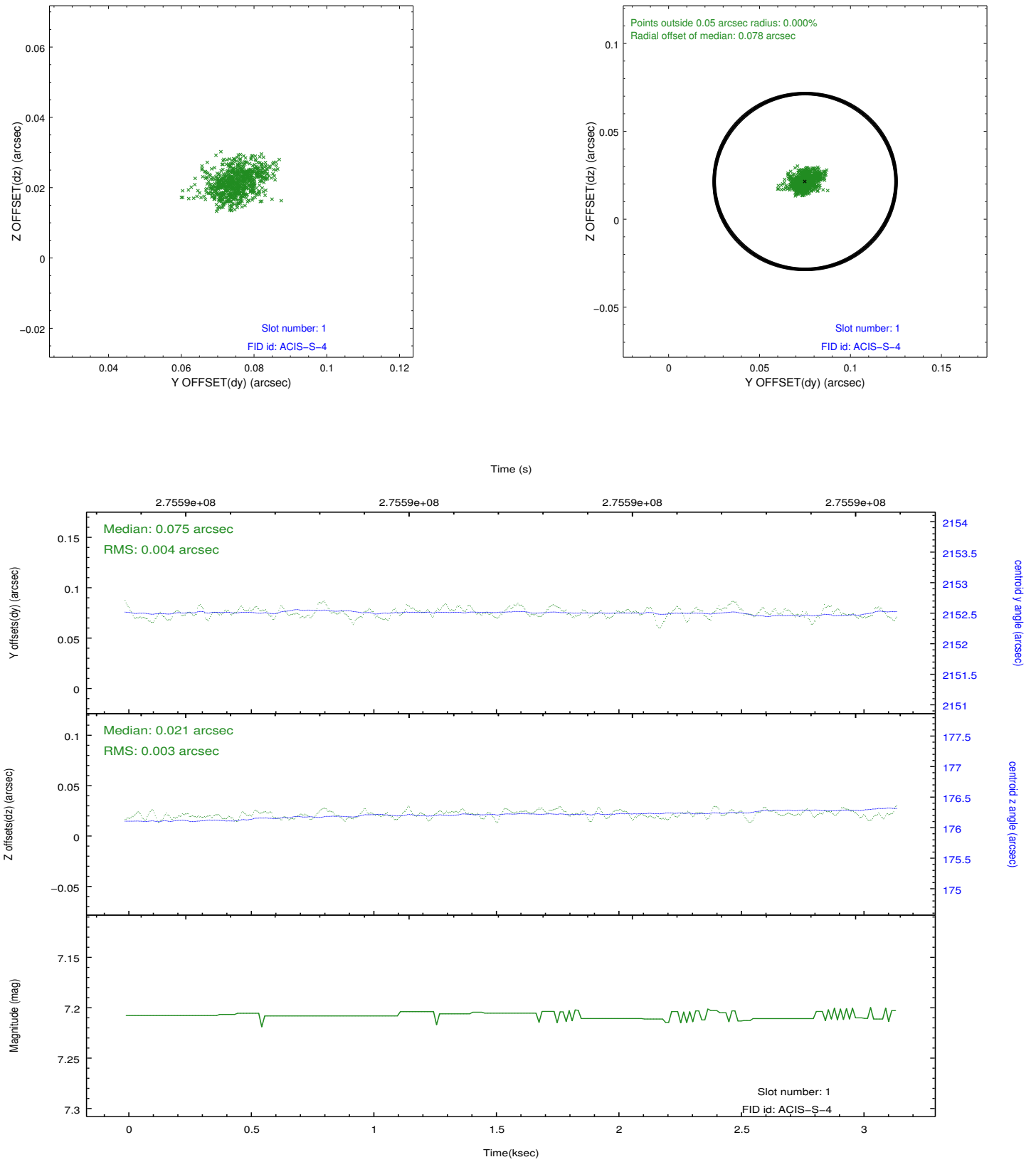


2.5 FID Slots

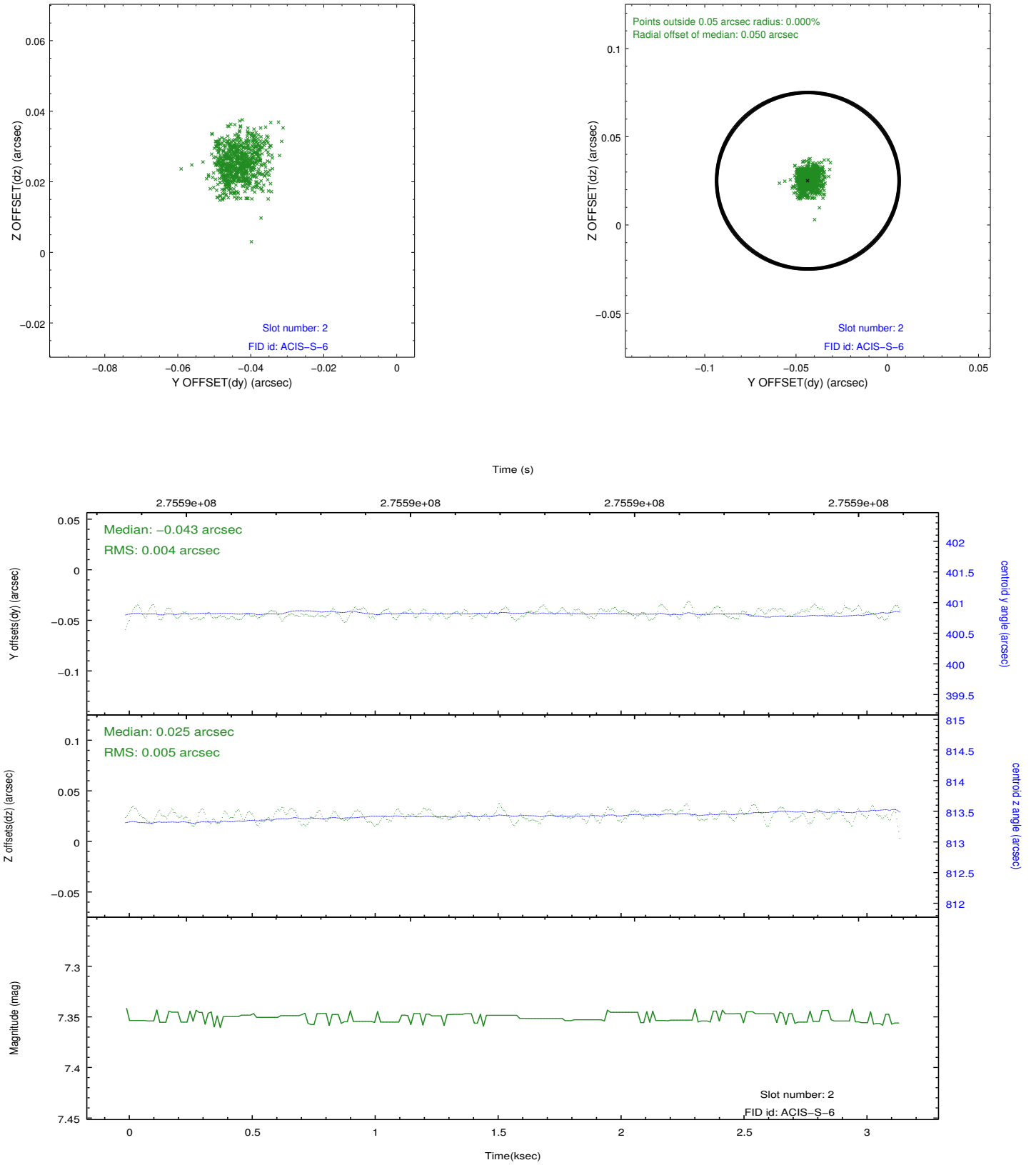
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.14559998

A.2 Comments