

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12417 - L2 Version 2
Chandra X-Ray Center

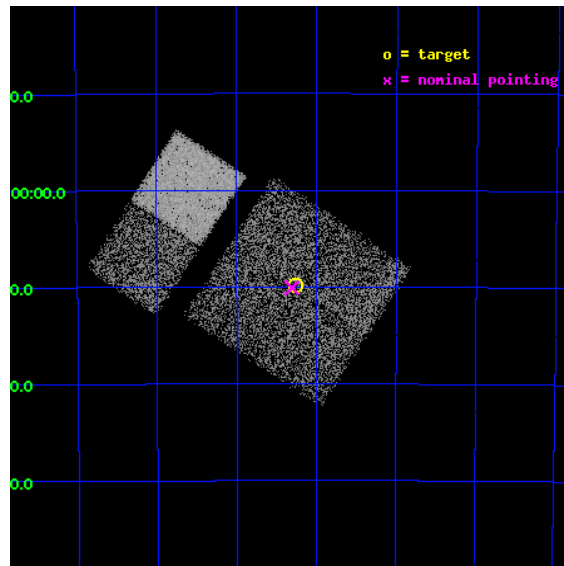
L2 Processing Date : Feb 13 2012

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1 Front

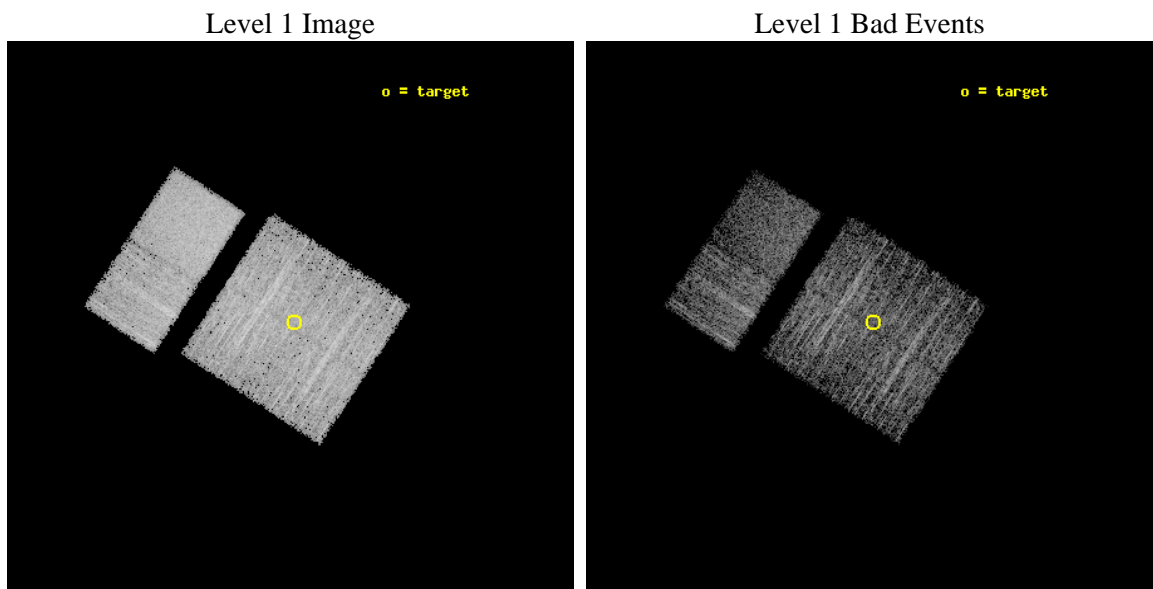
seq_num	401158	Sequence number
obs_id	12417	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	Dr. John Tomsick	Principal investigator
object	IGR J15293-5609	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.315833	Observer's specified target RA [deg]
dec_targ	-56.163	Observer's specified target Dec [deg]
ra_nom	232.32720270264	Nominal RA [deg]
dec_nom	-56.168186539291	Nominal Dec [deg]
roll_nom	303.24177710273	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5160.9933404326	Sum of GTIs [s]
livetime	5095.641735179	Livetime [s]
ontime0	5160.8702204227	Sum of GTIs [s]
ontime1	5160.911260426	Sum of GTIs [s]
ontime2	5160.9523004293	Sum of GTIs [s]
ontime3	5160.9933404326	Sum of GTIs [s]
ontime6	5161.0754204392	Sum of GTIs [s]
ontime7	5161.0343804359	Sum of GTIs [s]
l2events	32714	Number of level 2 events



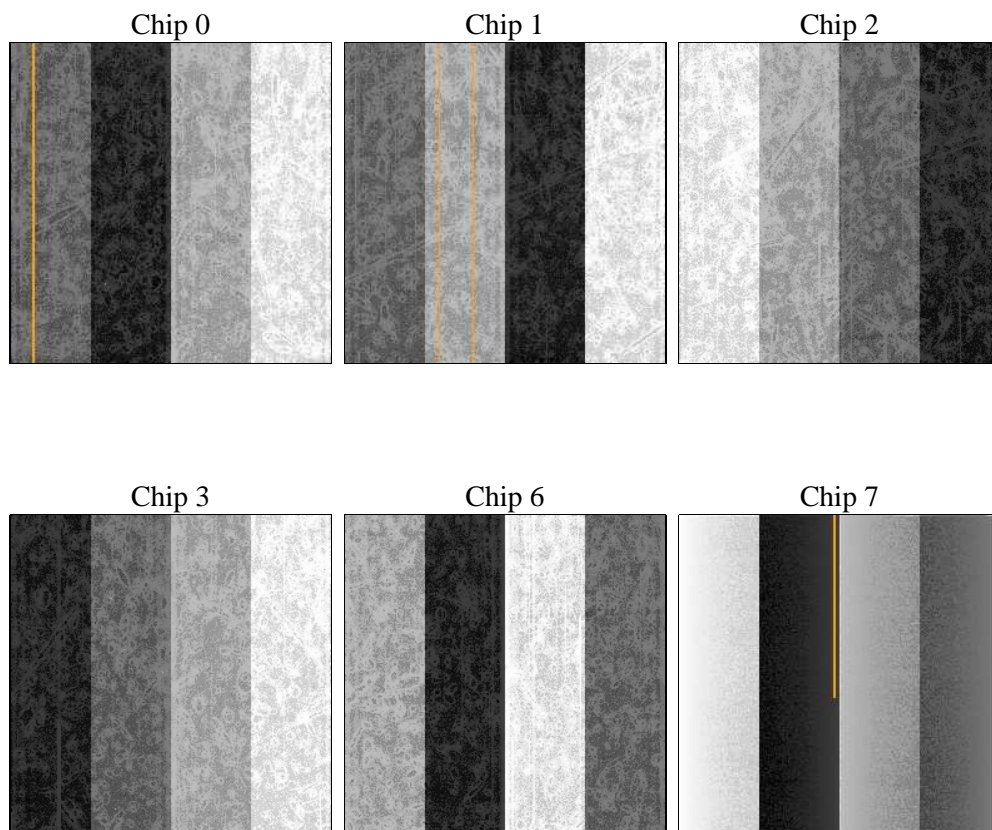
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5160.9933404326	Sum of GTIs [s]
caldbver	4.4.7	 	ontime0	5160.8702204227	Sum of GTIs [s]
date	2012-02-13T10:55:55	Date and time of file creation	ontime1	5160.911260426	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5160.9523004293	Sum of GTIs [s]
			ontime3	5160.9933404326	Sum of GTIs [s]
			ontime6	5161.0754204392	Sum of GTIs [s]
			ontime7	5161.0343804359	Sum of GTIs [s]
			l1events	190468	Number of level 1 events

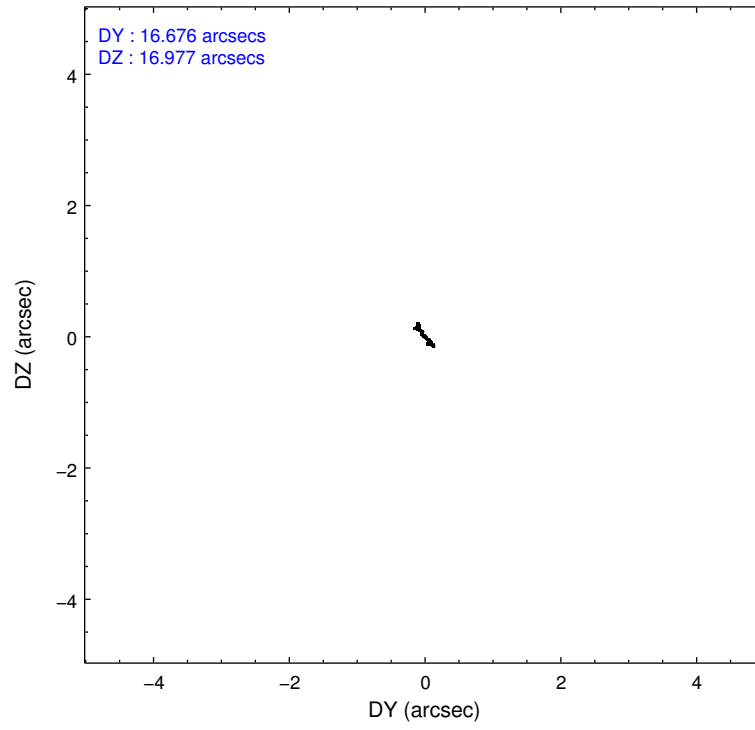
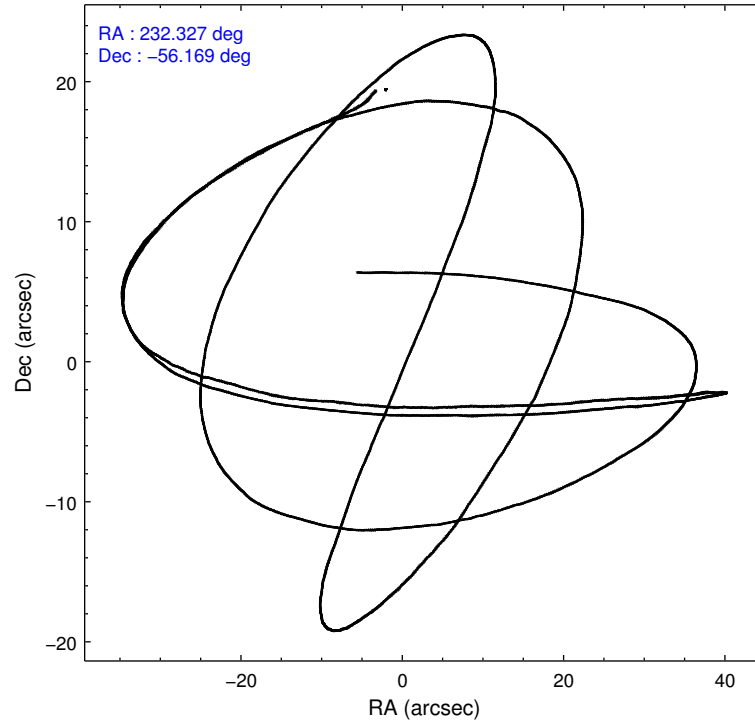
2.1.4 Events

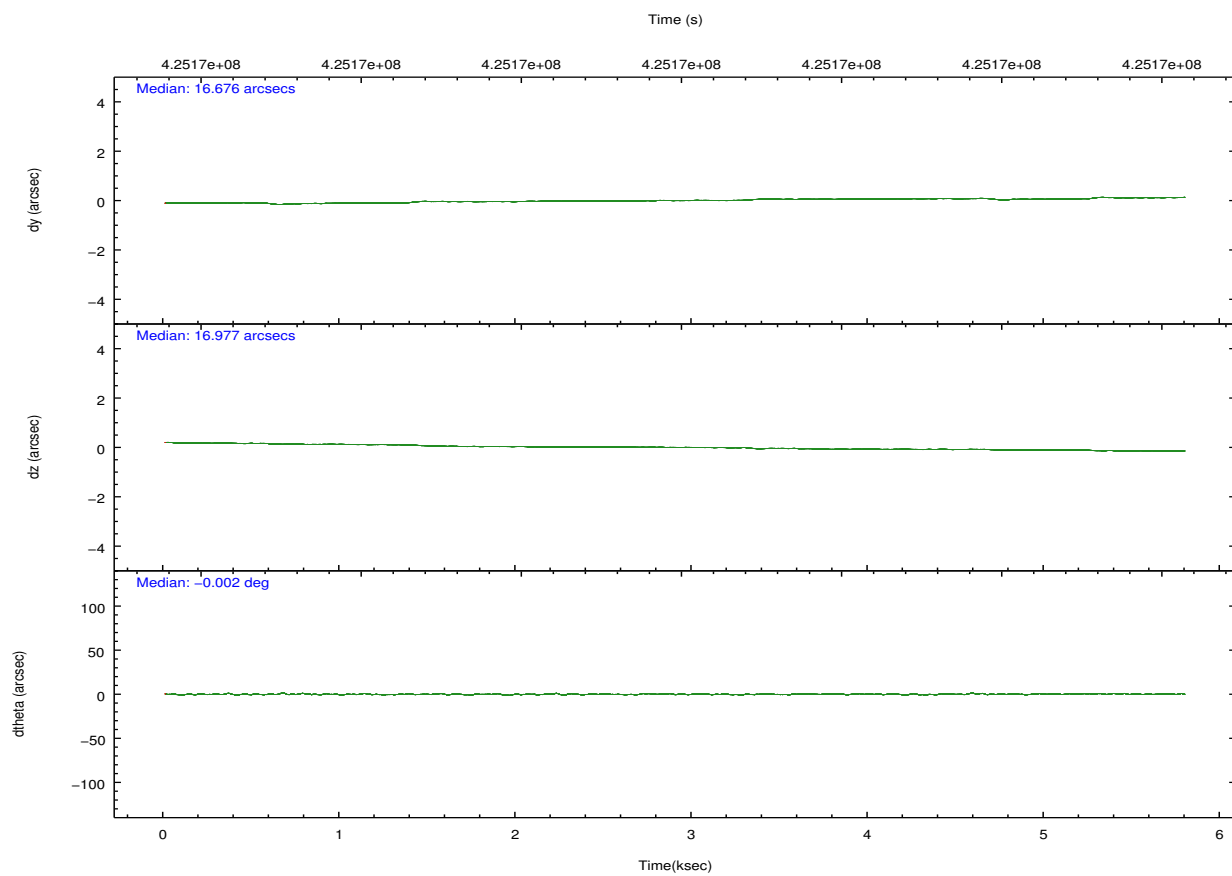
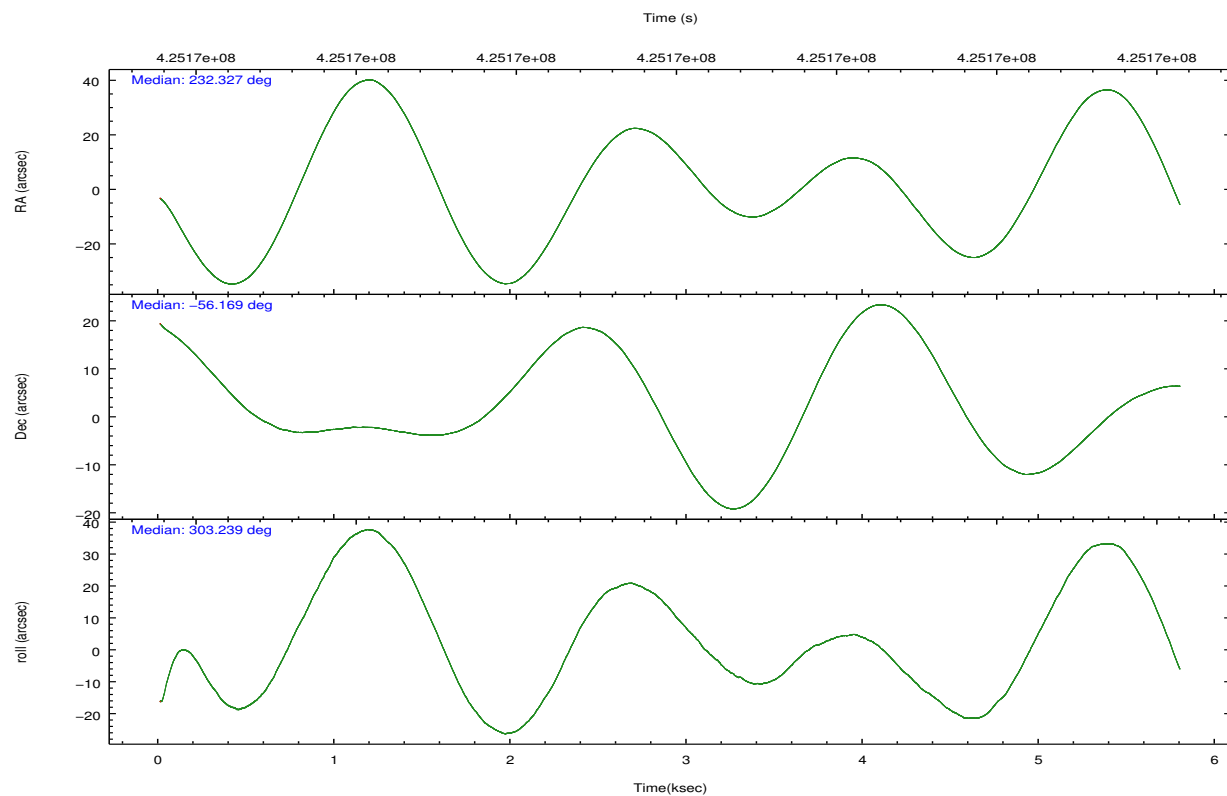
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	29431	28904	31507	29095	31969	39562	grade 0 events	1277	1439	1436	1305	1426	1591
rejected events	25829	24895	27842	25640	28054	22110		4%	4%	4%	4%	4%	4%
rejected %	87%	86%	88%	88%	87%	55%	grade 1 events	13	16	18	13	29	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	888	953	860	719	844	3491
								3%	3%	2%	2%	2%	8%
							grade 3 events	394	395	388	361	425	1517
								1%	1%	1%	1%	1%	3%
							grade 4 events	352	381	366	356	399	1528
								1%	1%	1%	1%	1%	3%
							grade 5 events	1287	1434	1283	1531	1497	4069
								4%	4%	4%	5%	4%	10%
							grade 6 events	698	846	620	716	824	9346
								2%	2%	1%	2%	2%	23%
							grade 7 events	24522	23440	26536	24094	26525	17970
								83%	81%	84%	82%	82%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	232.282865	232.3272027026425	CCD I2 on	Y	Y
[deg] Pointing Dec	-56.155856	-56.1681865392915	CCD I3 on	Y	Y
[deg] Pointing Roll	302.996302	303.2417771027299	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	425168762.184000	425167504.4471	CCD S5 on	N	N
Observation start date	2011-06-22T22:24:56	2011-06-22T22:05:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	425173862.184000	425174105.44745	On-chip summing requested	N	N
Observation end date	2011-06-22T23:49:56	2011-06-22T23:55:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



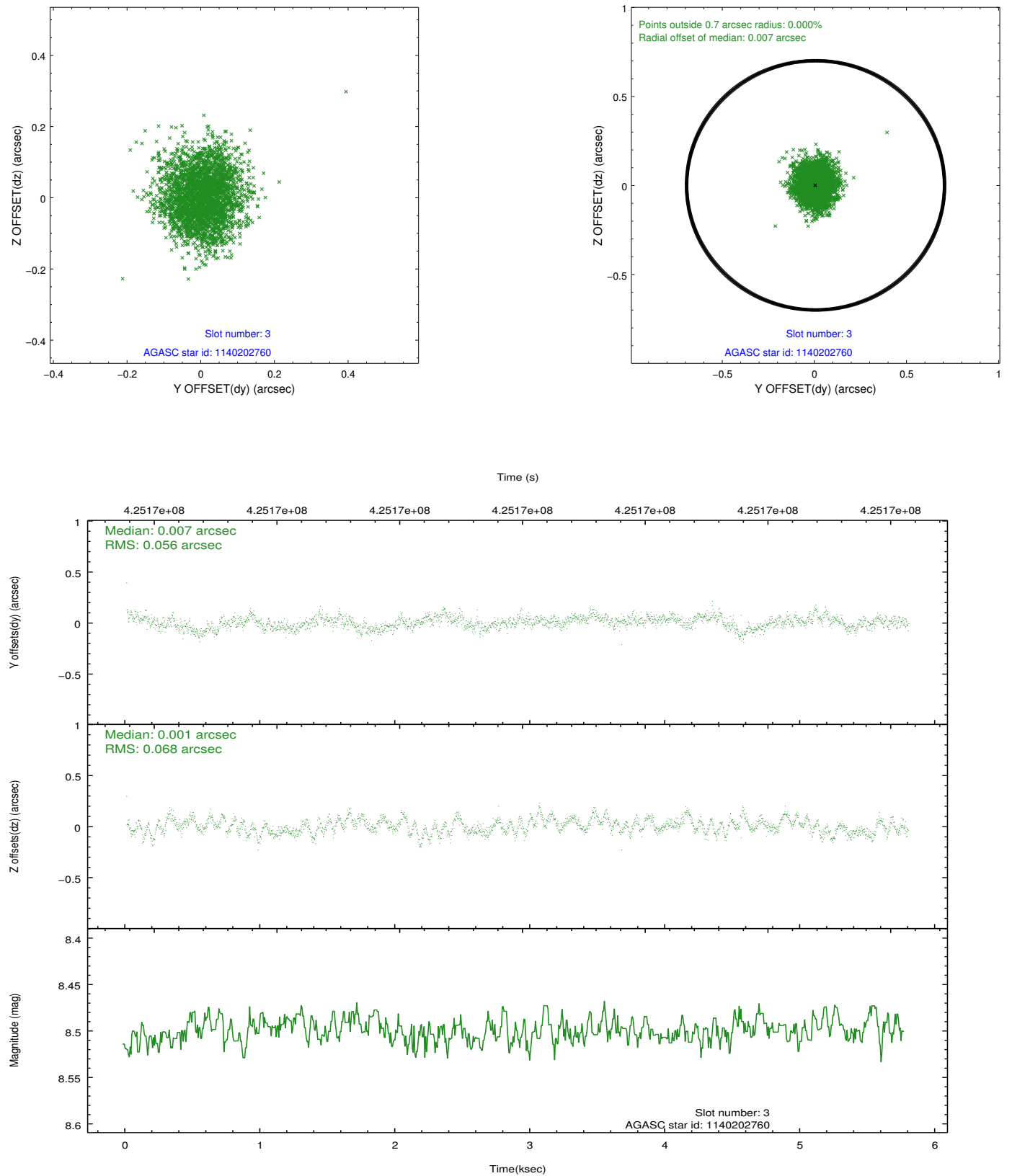


Slot Statistics

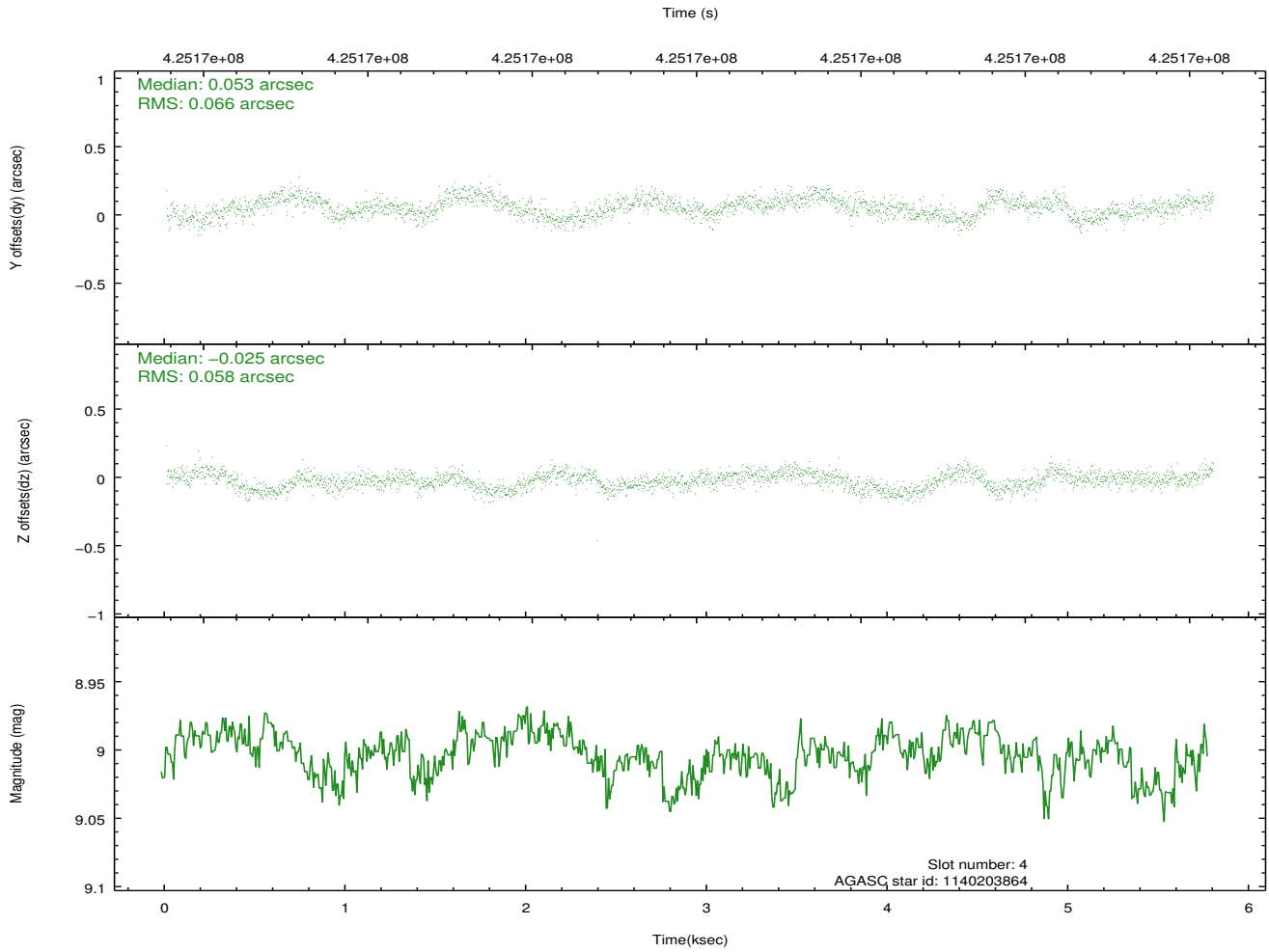
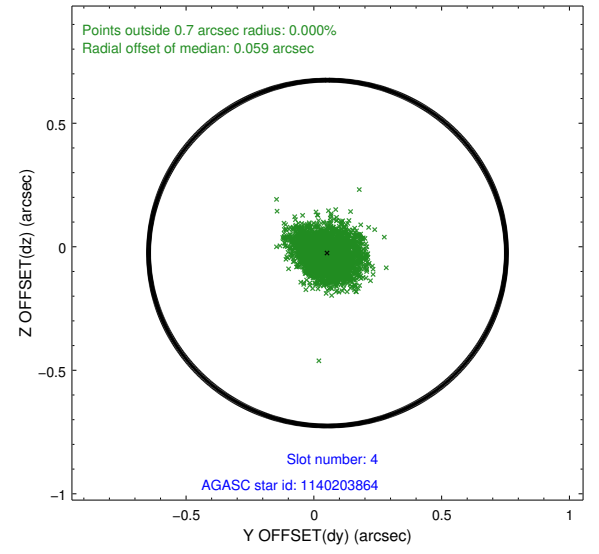
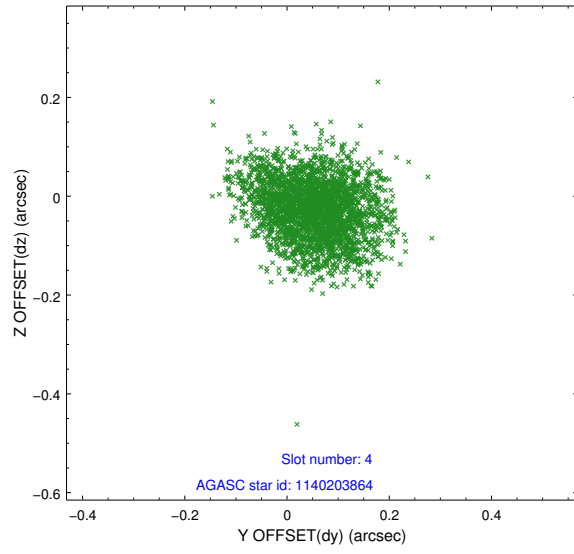
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	1413	0.046	-0.010	0.007	0.013	0.000000	0.000000	922.78	-840.64
1	FID	ACIS-I-5	7.05	1413	-0.198	0.056	0.006	0.011	0.000000	0.000000	-1824.99	1056.41
2	FID	ACIS-I-6	7.06	1413	0.060	0.024	0.008	0.013	0.000000	0.000000	387.23	1702.03
3	GUIDE	1140202760	8.50	2824	0.007	0.001	0.094	0.149	231.925197	-55.796534	-1477.62	96.22
4	GUIDE	1140203864	9.00	2819	0.053	-0.025	0.094	0.150	232.377249	-55.505520	-1859.38	1436.32
5	GUIDE	1140205824	8.08	2826	-0.078	-0.017	0.078	0.128	233.098748	-55.815948	-120.25	2045.36
6	GUIDE	1140729312	9.02	2823	-0.009	0.168	0.100	0.172	232.475585	-56.374951	871.00	-106.94
7	GUIDE	1140860848	9.23	2818	0.031	-0.124	0.099	0.162	233.526865	-56.292447	1784.45	1804.05

2.4 Star Slots

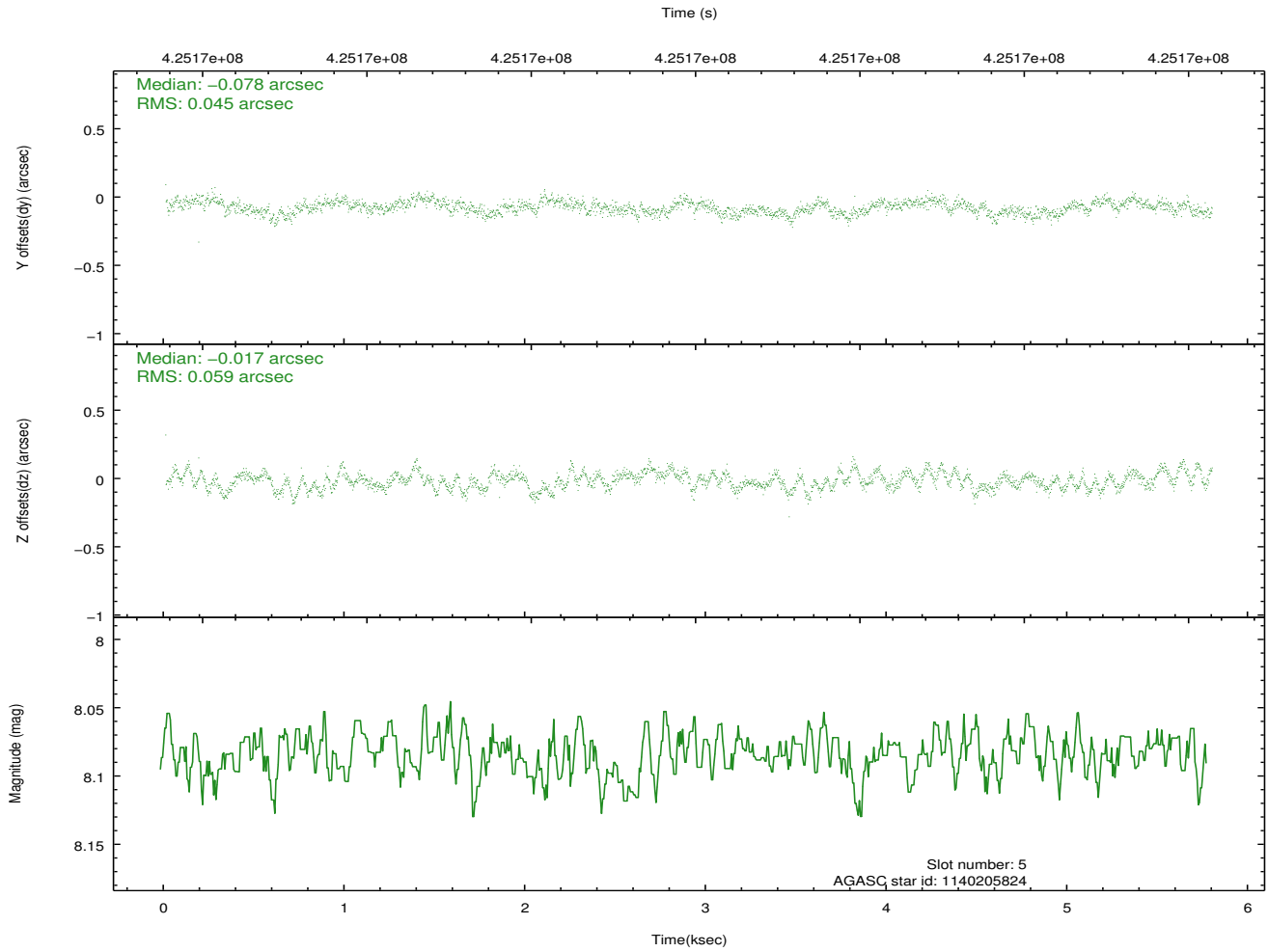
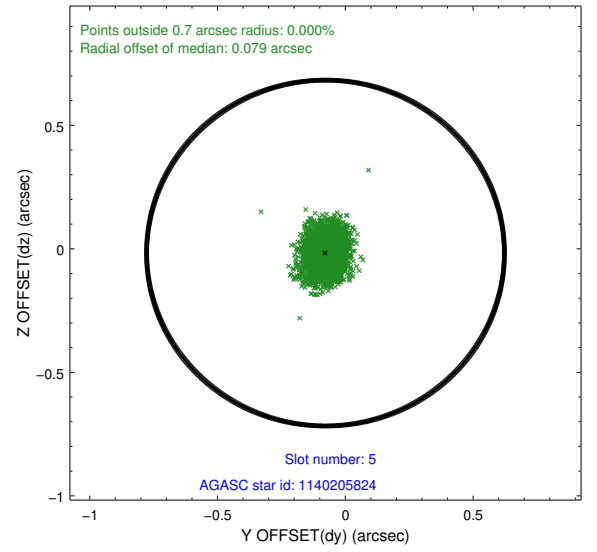
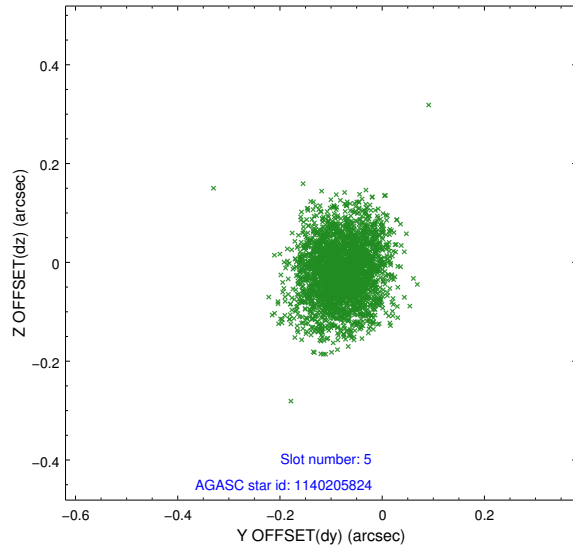
2.4.1 Slot 3



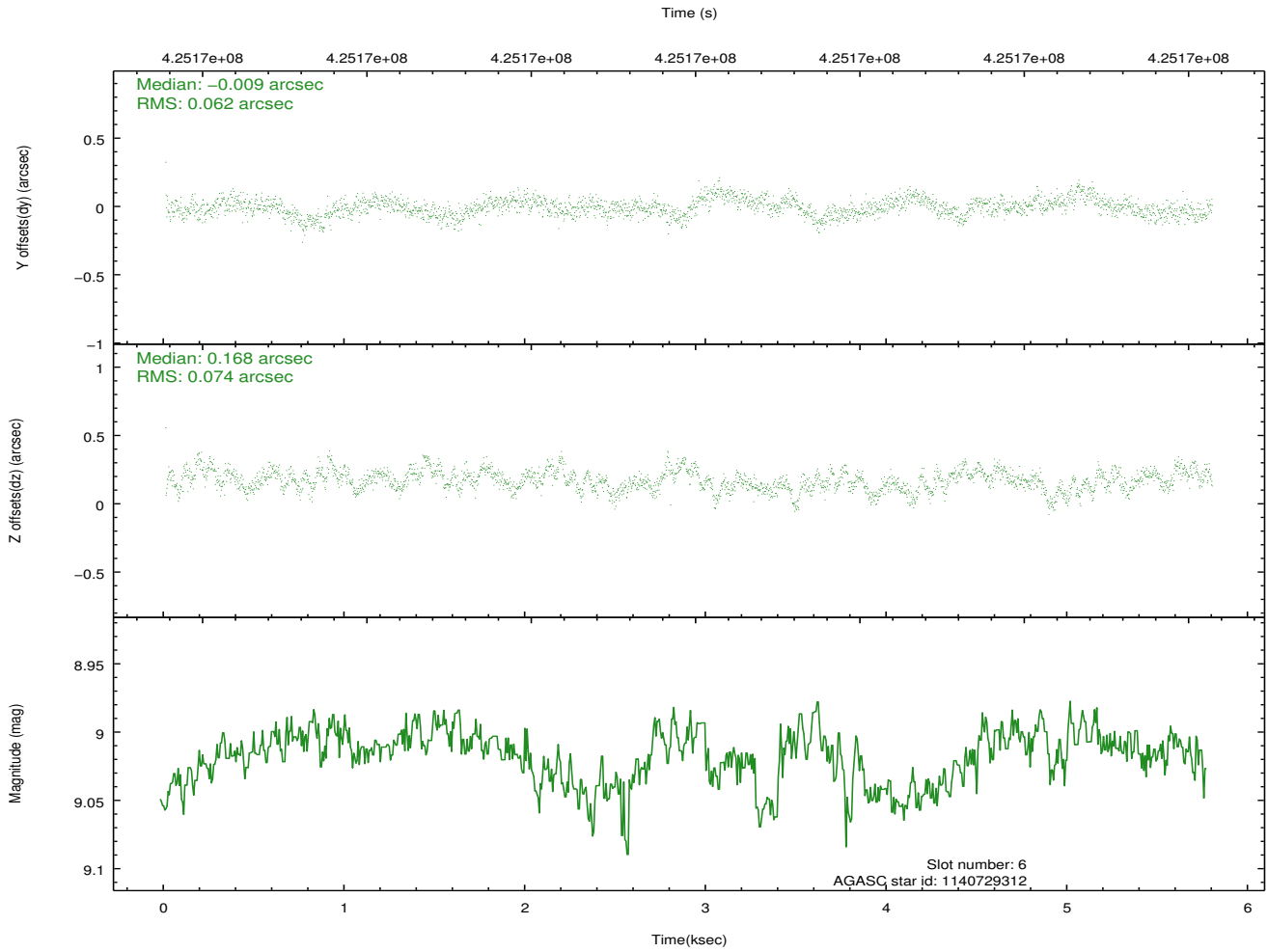
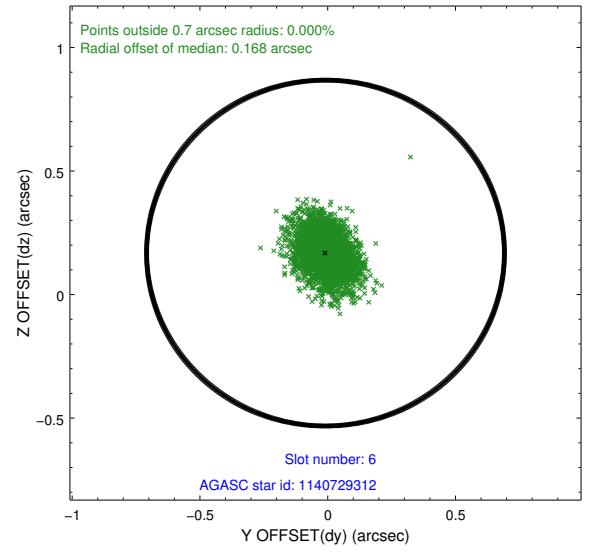
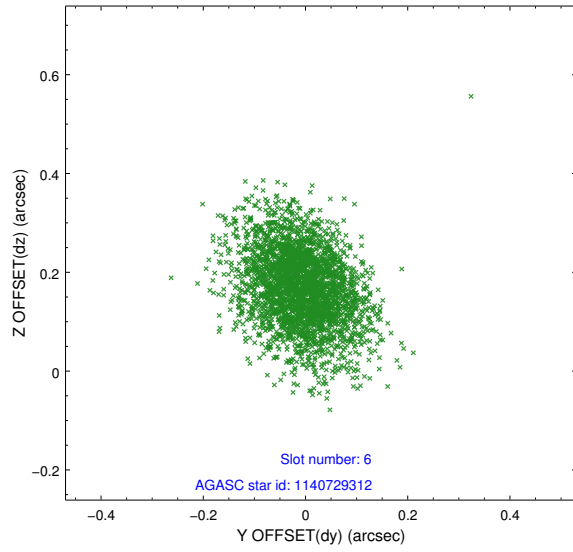
2.4.2 Slot 4



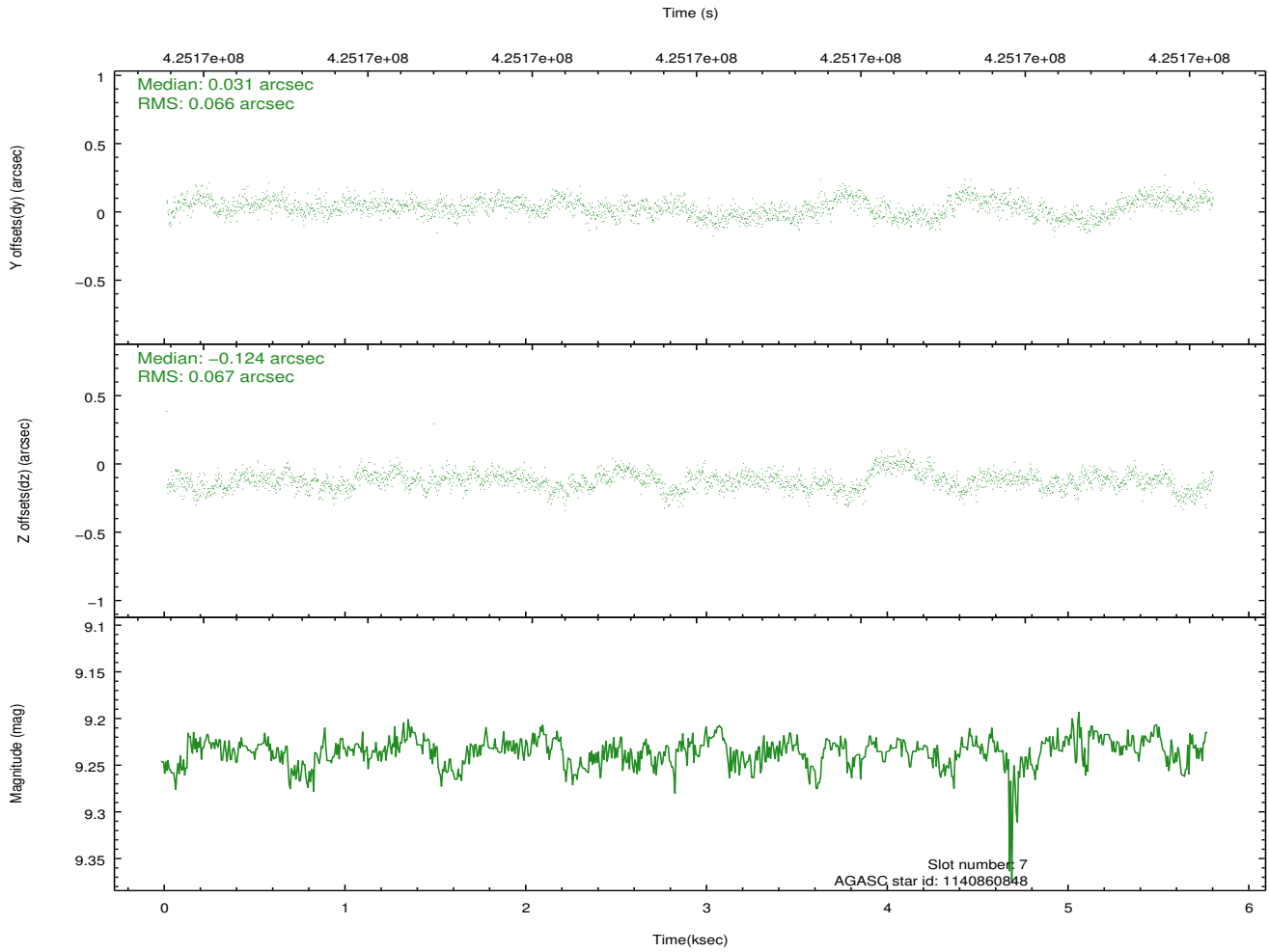
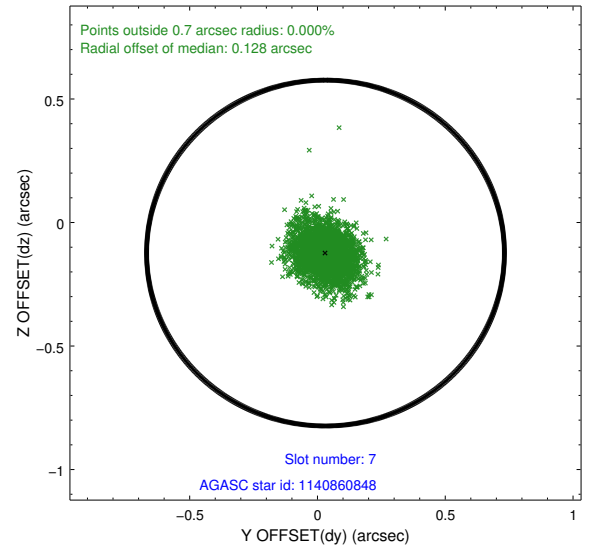
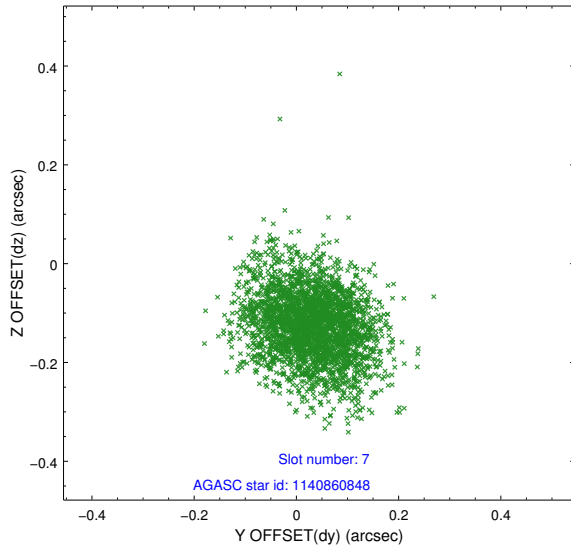
2.4.3 Slot 5



2.4.4 Slot 6

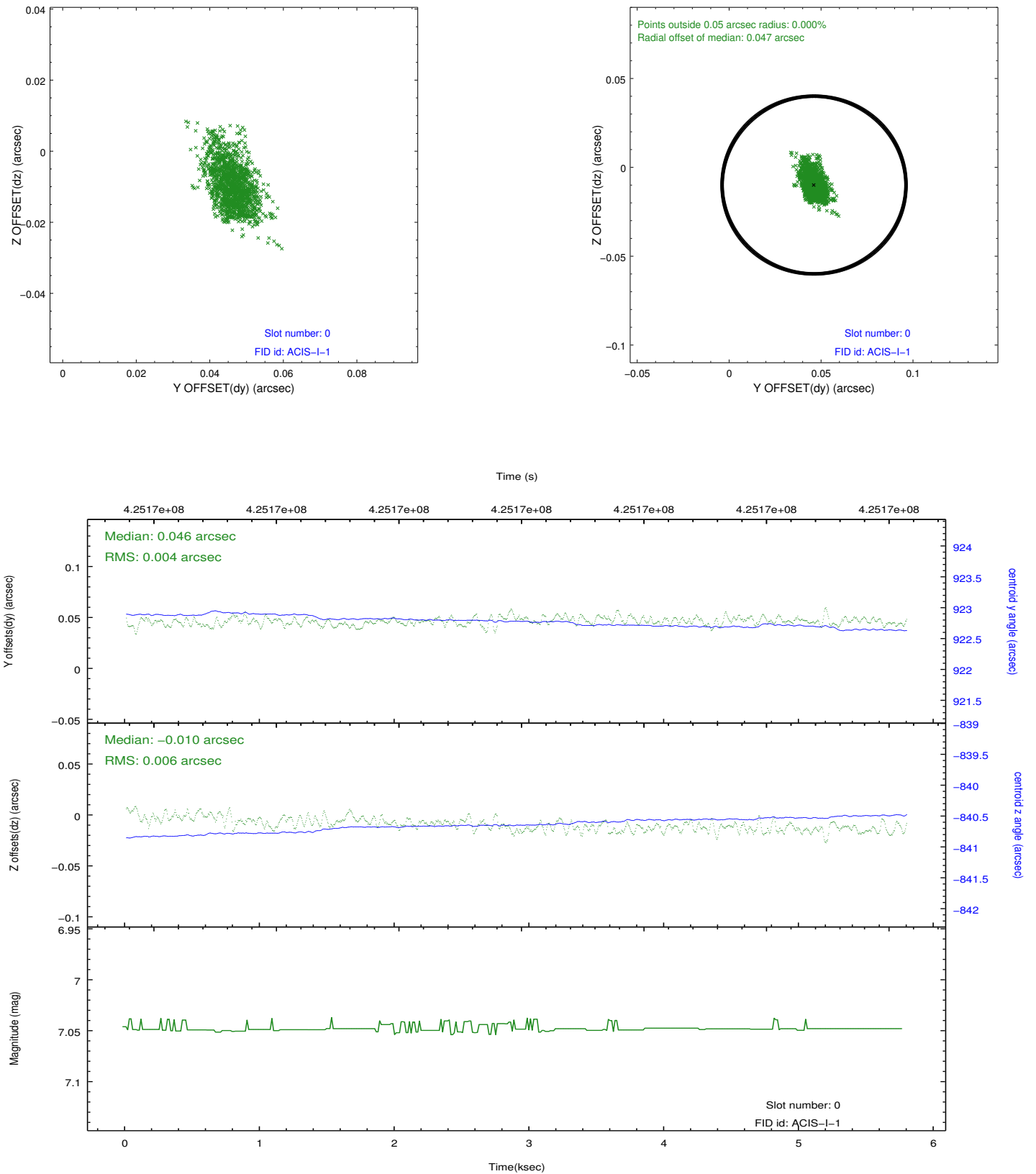


2.4.5 Slot 7

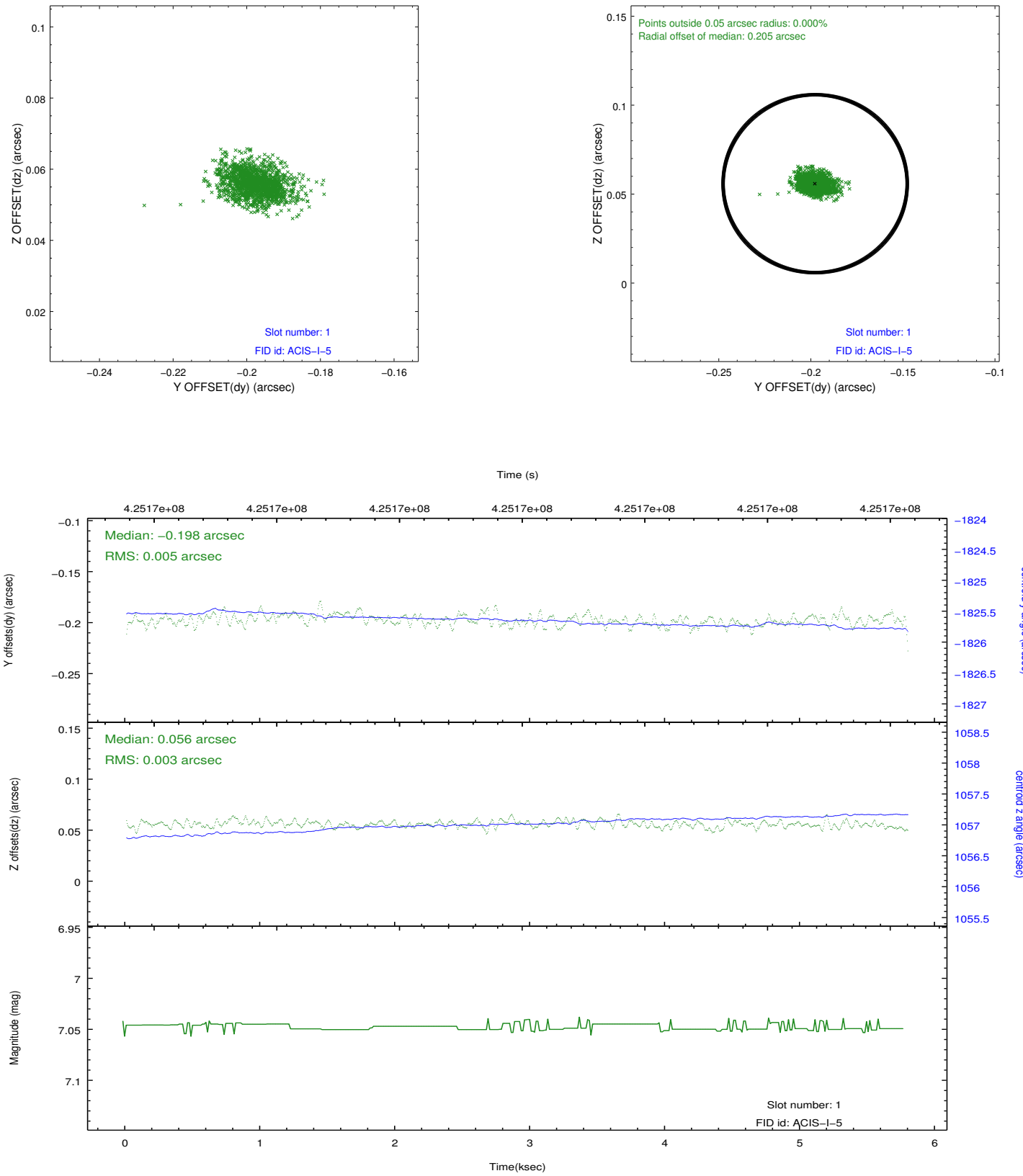


2.5 FID Slots

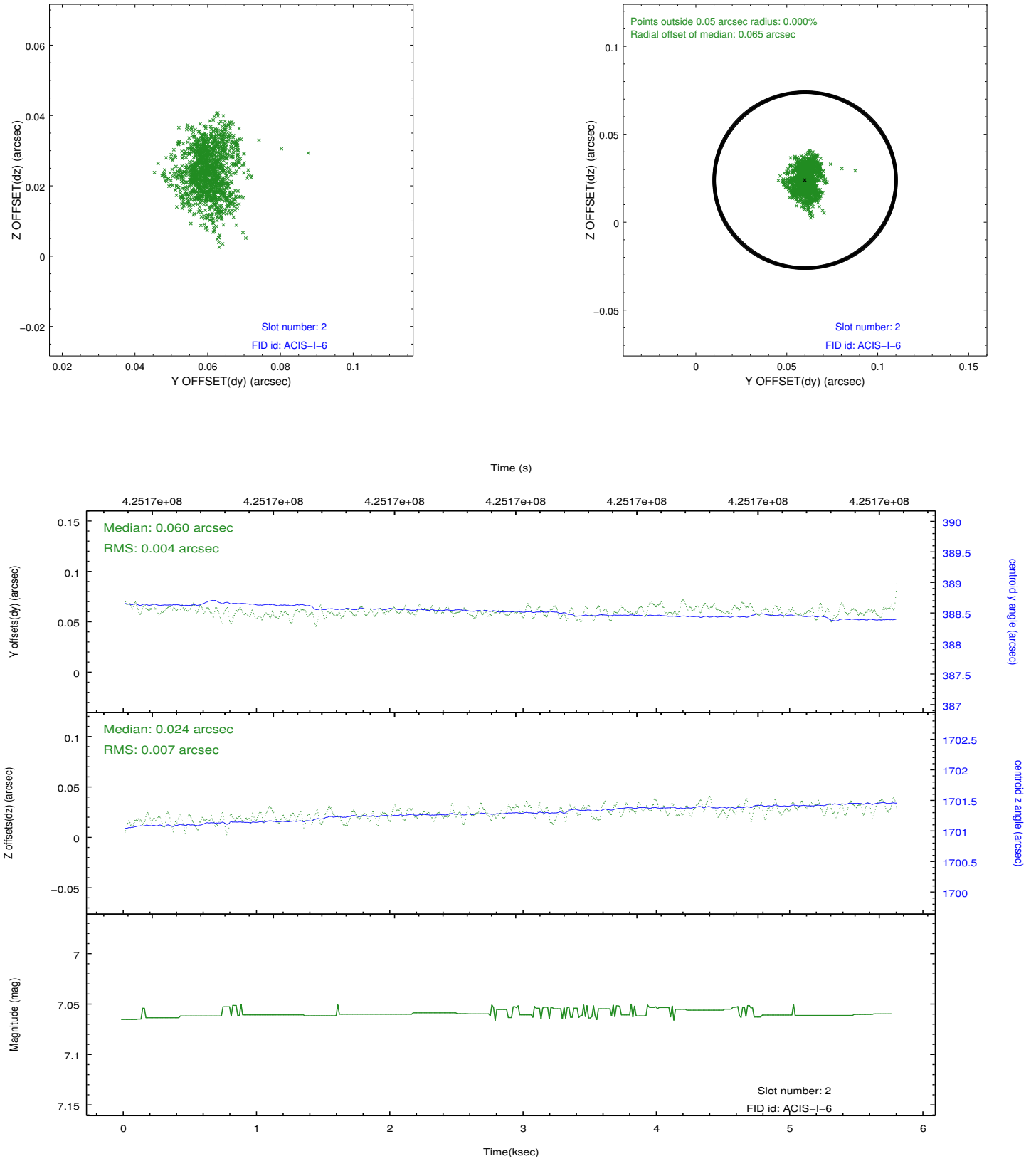
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1609933429956

A.2 Comments