

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8962 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : May 18 2012

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1 Front

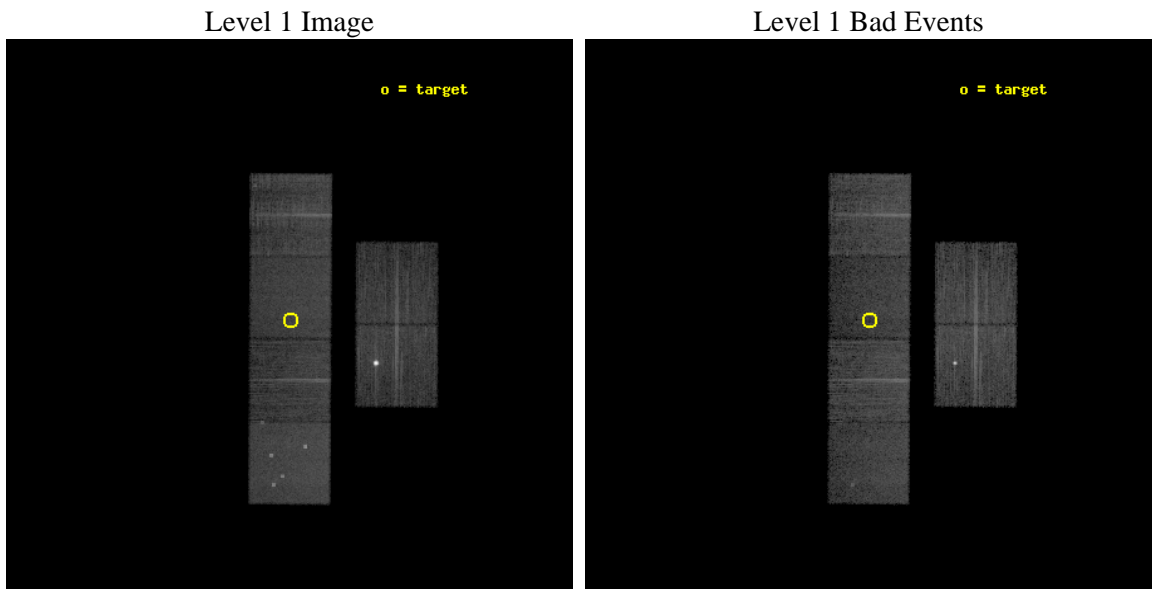
seq_num	300218	Sequence number
obs_id	8962	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6293	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.5425	Observer's specified target RA [deg]
dec_targ	-26.581944	Observer's specified target Dec [deg]
ra_nom	257.54540934178	Nominal RA [deg]
dec_nom	-26.586050463182	Nominal Dec [deg]
roll_nom	270.31286333528	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10044.351676106	Sum of GTIs [s]
livetime	9917.1640472011	Livetime [s]
ontime2	10041.151745737	Sum of GTIs [s]
ontime3	10044.228556097	Sum of GTIs [s]
ontime5	10044.310636103	Sum of GTIs [s]
ontime6	10044.2695961	Sum of GTIs [s]
ontime7	10044.351676106	Sum of GTIs [s]
ontime8	10044.187516093	Sum of GTIs [s]
l2events	189748	Number of level 2 events



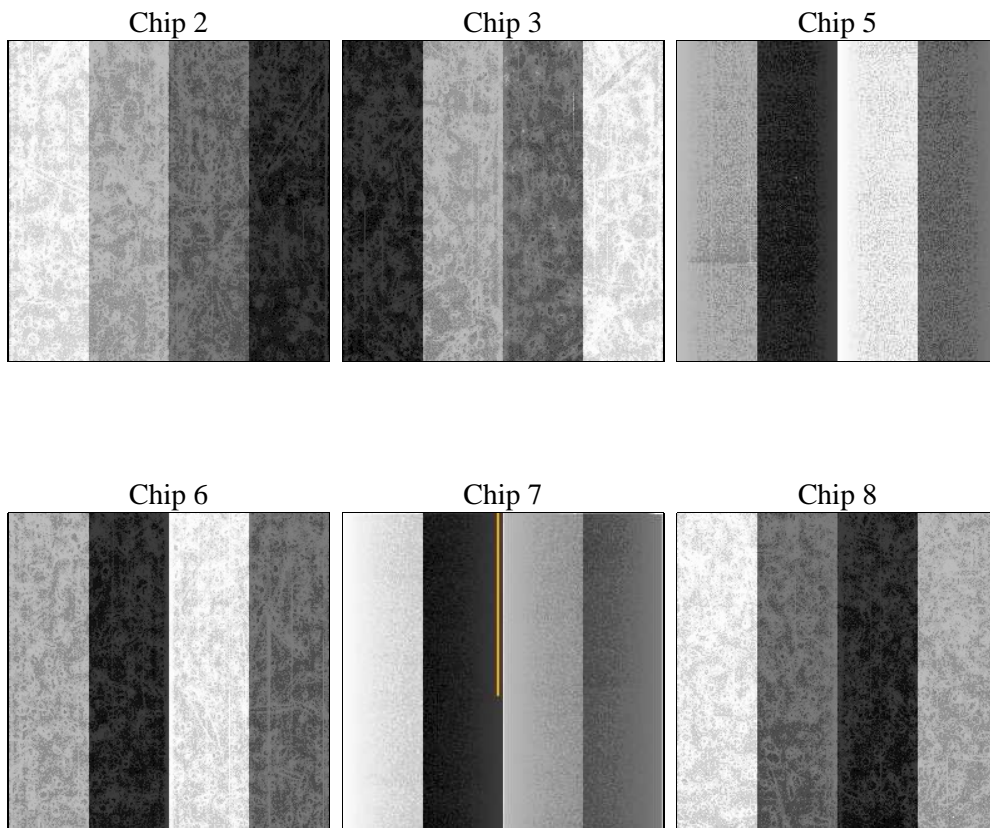
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10044.351676106	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10041.151745737	Sum of GTIs [s]
date	2012-05-18T03:34:36	Date and time of file creation	ontime3	10044.228556097	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10044.310636103	Sum of GTIs [s]
			ontime6	10044.2695961	Sum of GTIs [s]
			ontime7	10044.351676106	Sum of GTIs [s]
			ontime8	10044.187516093	Sum of GTIs [s]
			l1events	623906	Number of level 1 events

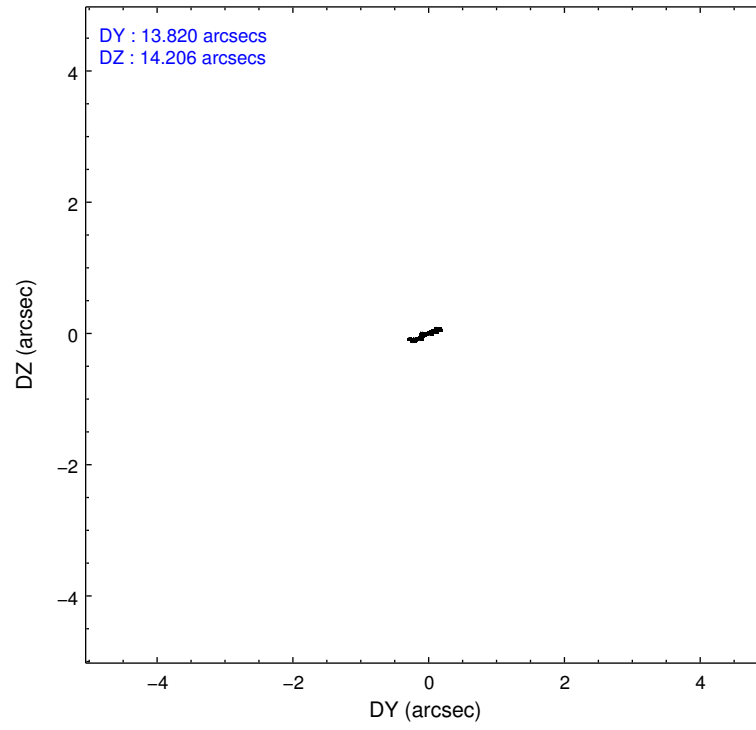
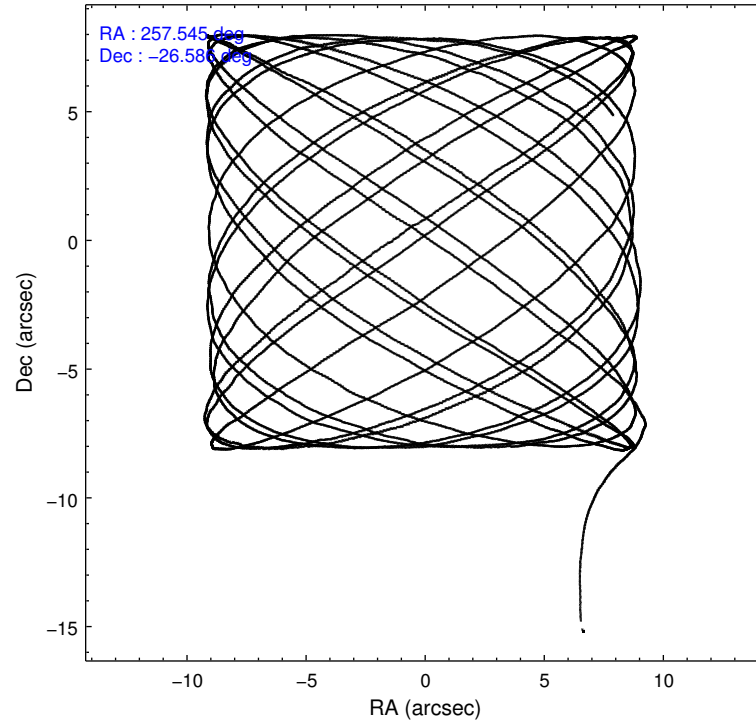
2.1.4 Events

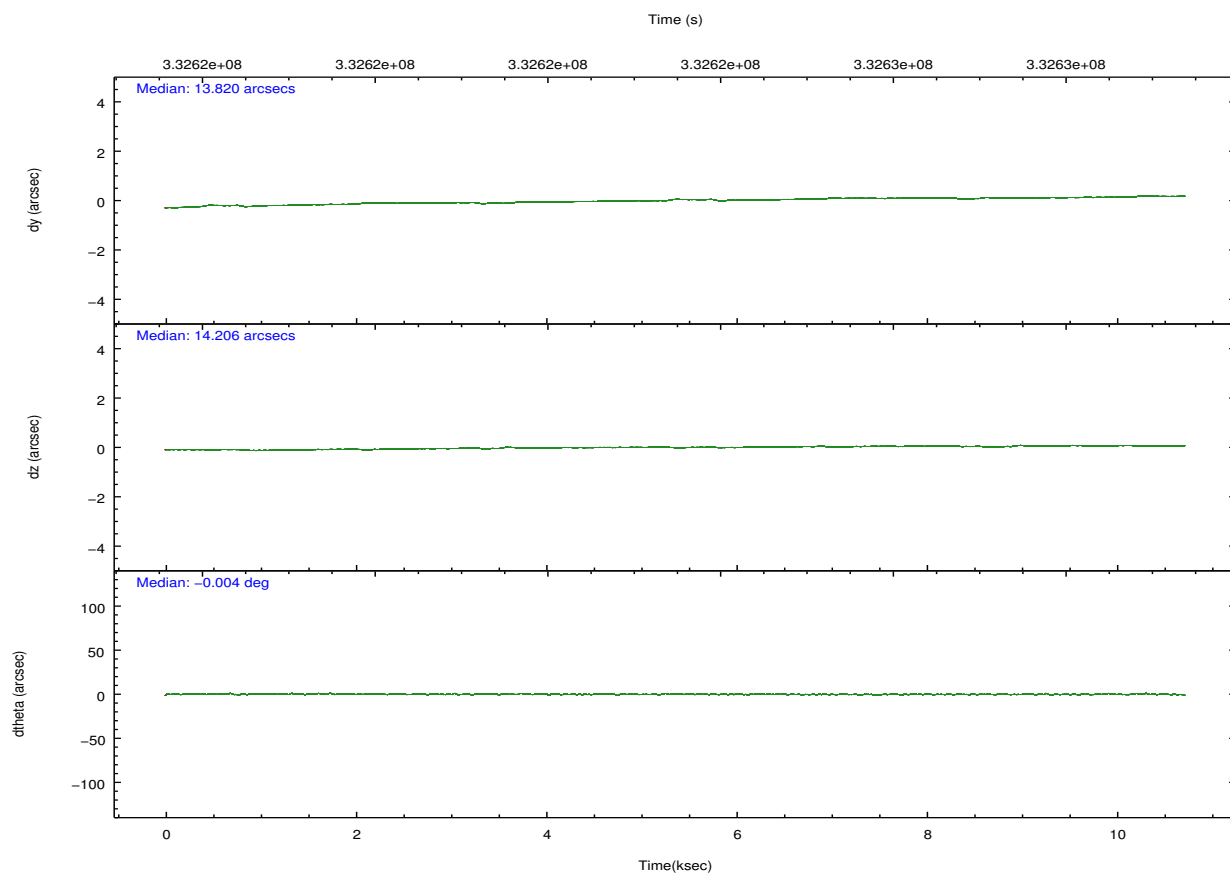
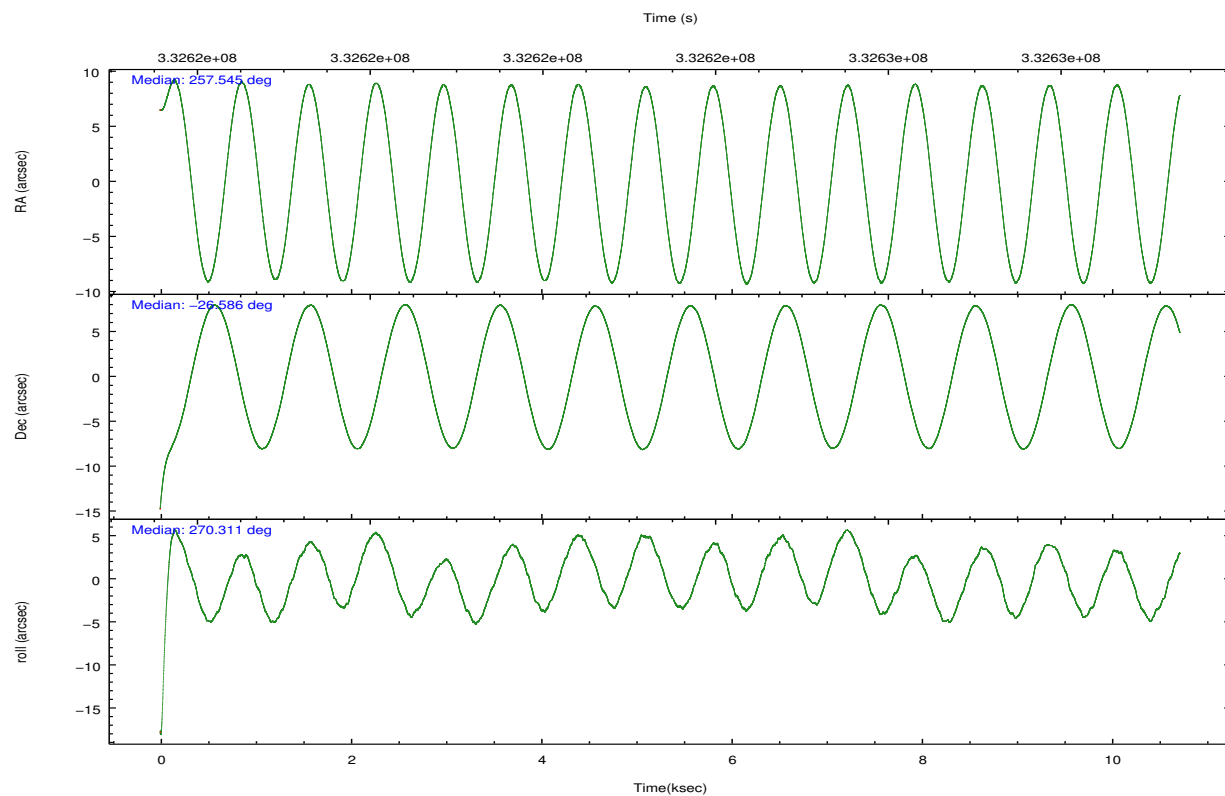
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	159857	75902	114654	81399	89559	102535	grade 0 events	53475	3404	9589	3801	4201	8080
rejected events	82830	67691	54837	72067	47704	76412		33%	4%	8%	4%	4%	7%
rejected %	51%	89%	47%	88%	53%	74%	grade 1 events	3962	51	228	41	118	75
								2%	0%	0%	0%	0%	0%
							grade 2 events	10820	1643	17146	1865	8723	5864
								6%	2%	14%	2%	9%	5%
							grade 3 events	4157	885	2380	965	3866	2767
								2%	1%	2%	1%	4%	2%
							grade 4 events	4175	829	2319	890	3812	2479
								2%	1%	2%	1%	4%	2%
							grade 5 events	4823	3173	8841	3214	9521	4704
								3%	4%	7%	3%	10%	4%
							grade 6 events	4456	1455	28416	1816	21284	6948
								2%	1%	24%	2%	23%	6%
							grade 7 events	73989	64462	45735	68807	38034	71618
								46%	84%	39%	84%	42%	69%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	257.529582	257.5454093417799	CCD I2 on	O1	Y
[deg] Pointing Dec	-26.562641	-26.58605046318164	CCD I3 on	O2	Y
[deg] Pointing Roll	270.149173	270.3128633352799	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	332618820.184000	332617404.08466	CCD S5 on	N	N
Observation start date	2008-07-16T18:05:55	2008-07-16T17:43:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	332628820.184000	332629275.12275	On-chip summing requested	N	N
Observation end date	2008-07-16T20:52:35	2008-07-16T21:01:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



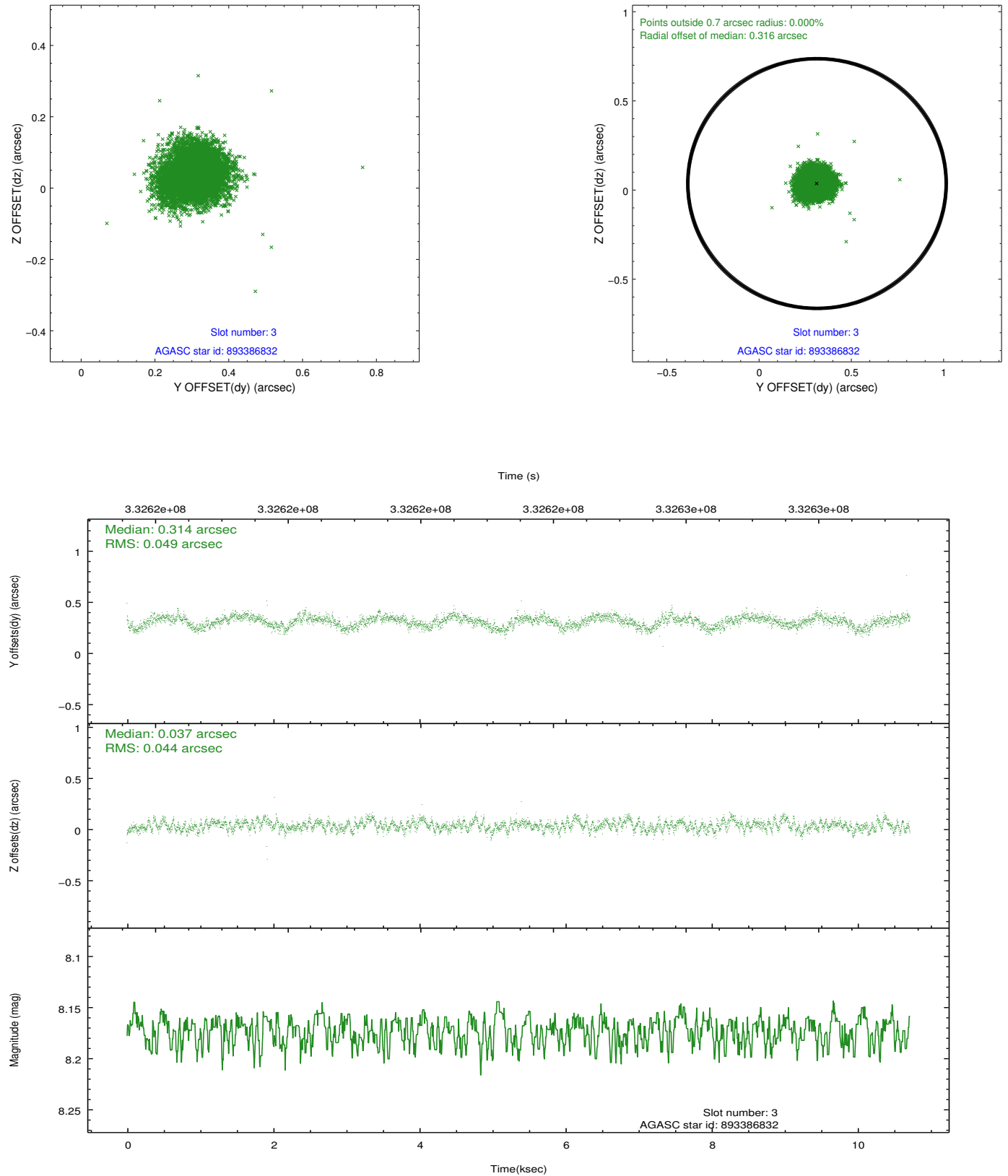


Slot Statistics

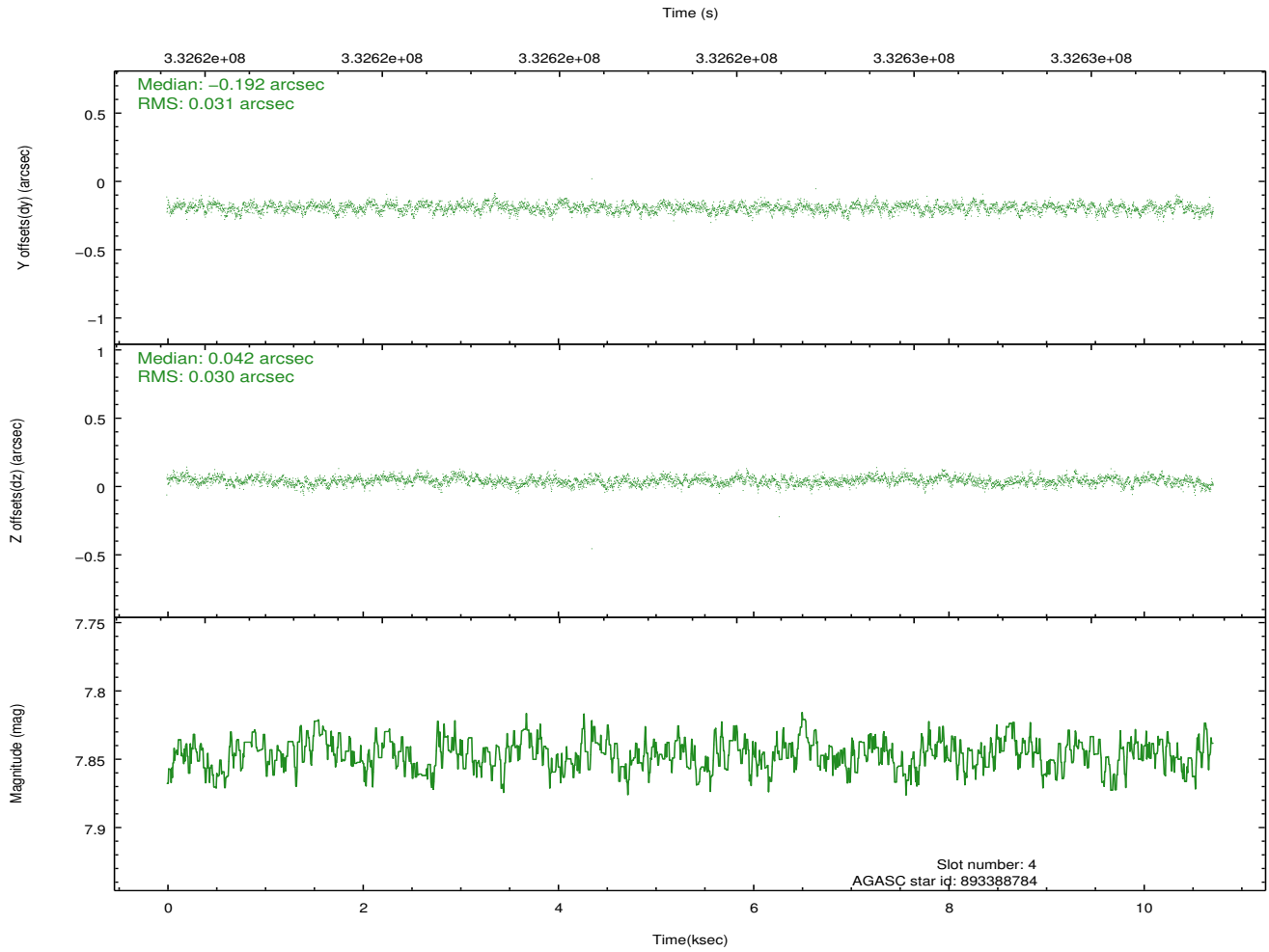
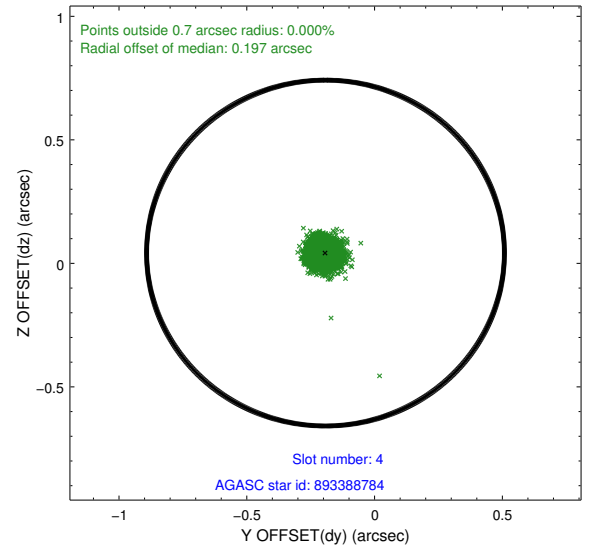
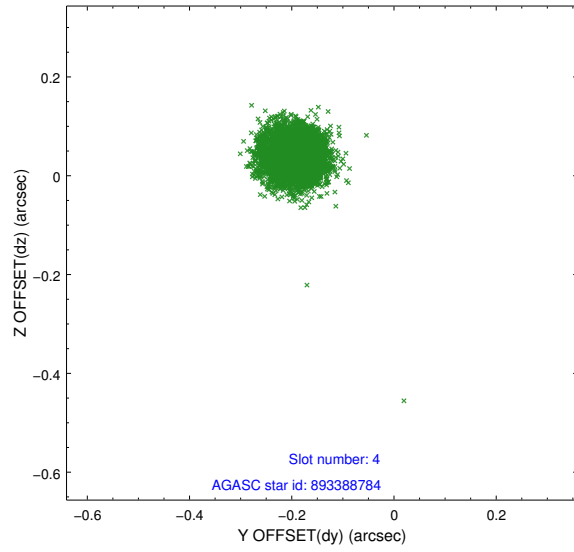
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2615	-0.053	-0.031	0.010	0.016	0.000000	0.000000	-766.78	-1735.59
1	FID	ACIS-S-4	6.97	2615	0.165	0.034	0.011	0.020	0.000000	0.000000	2146.48	172.47
2	FID	ACIS-S-5	7.00	2615	-0.142	0.006	0.007	0.011	0.000000	0.000000	-1819.11	166.64
3	GUIDE	893386832	8.17	5227	0.314	0.037	0.071	0.111	257.635339	-26.245087	-1141.58	344.39
4	GUIDE	893388784	7.85	5221	-0.192	0.042	0.045	0.072	257.881948	-25.992995	-2046.38	1145.57
5	GUIDE	893837696	7.94	5230	-0.018	0.042	0.061	0.095	257.277958	-26.423720	-501.53	-809.72
6	GUIDE	893912192	7.83	5228	-0.130	-0.030	0.061	0.099	258.151905	-27.019276	1653.98	1991.43
7	GUIDE	893912816	7.32	5228	0.033	-0.096	0.048	0.077	257.656867	-27.005255	1595.29	404.42

2.4 Star Slots

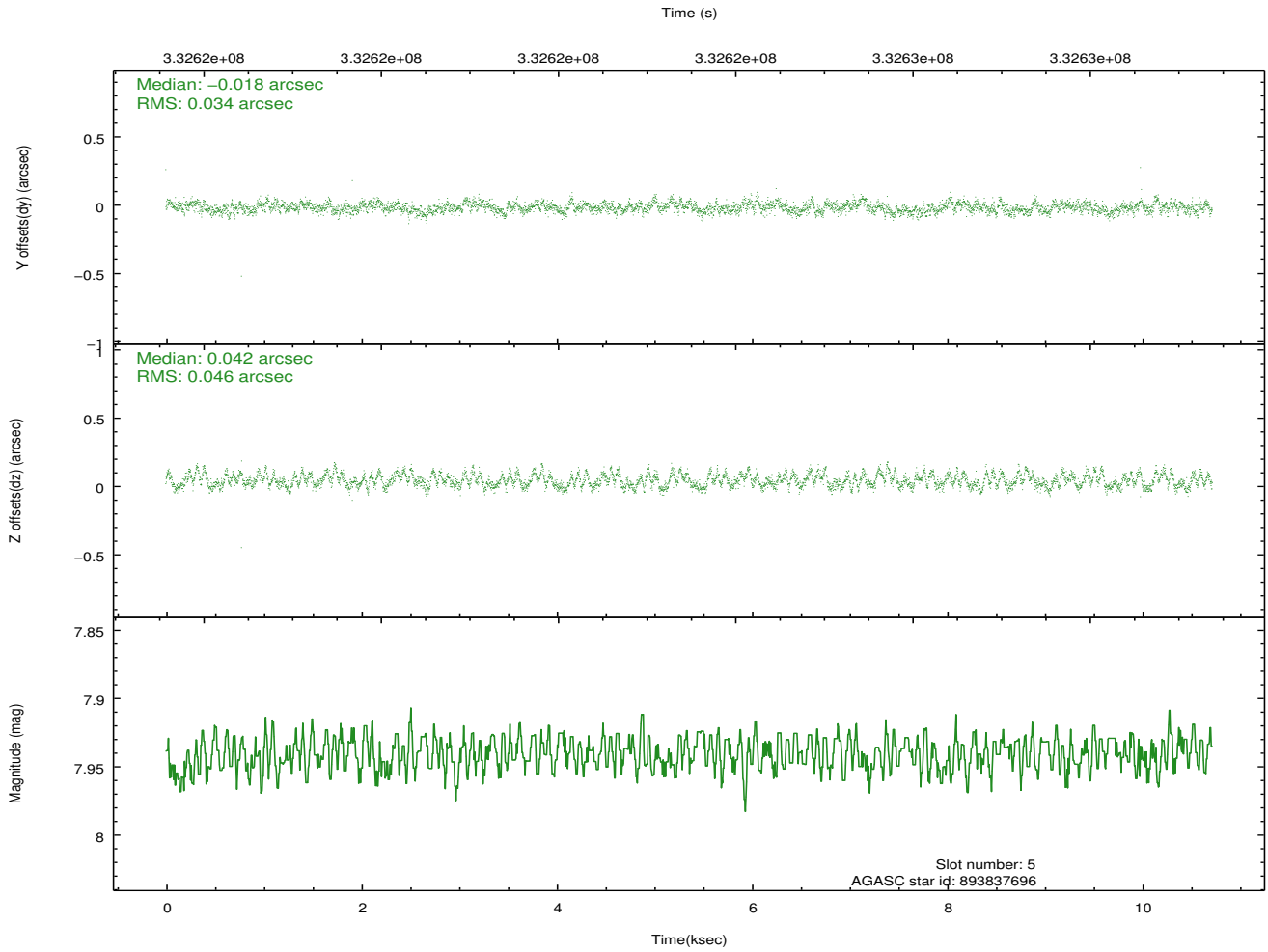
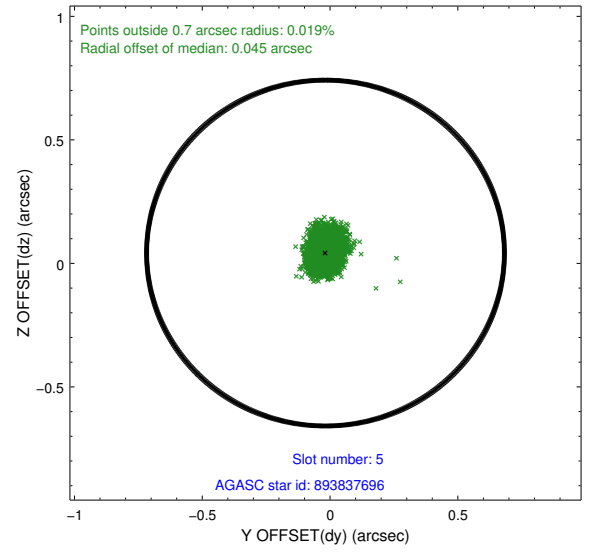
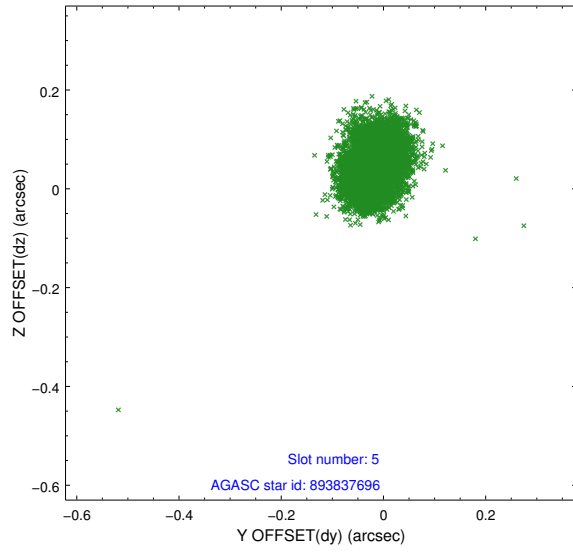
2.4.1 Slot 3



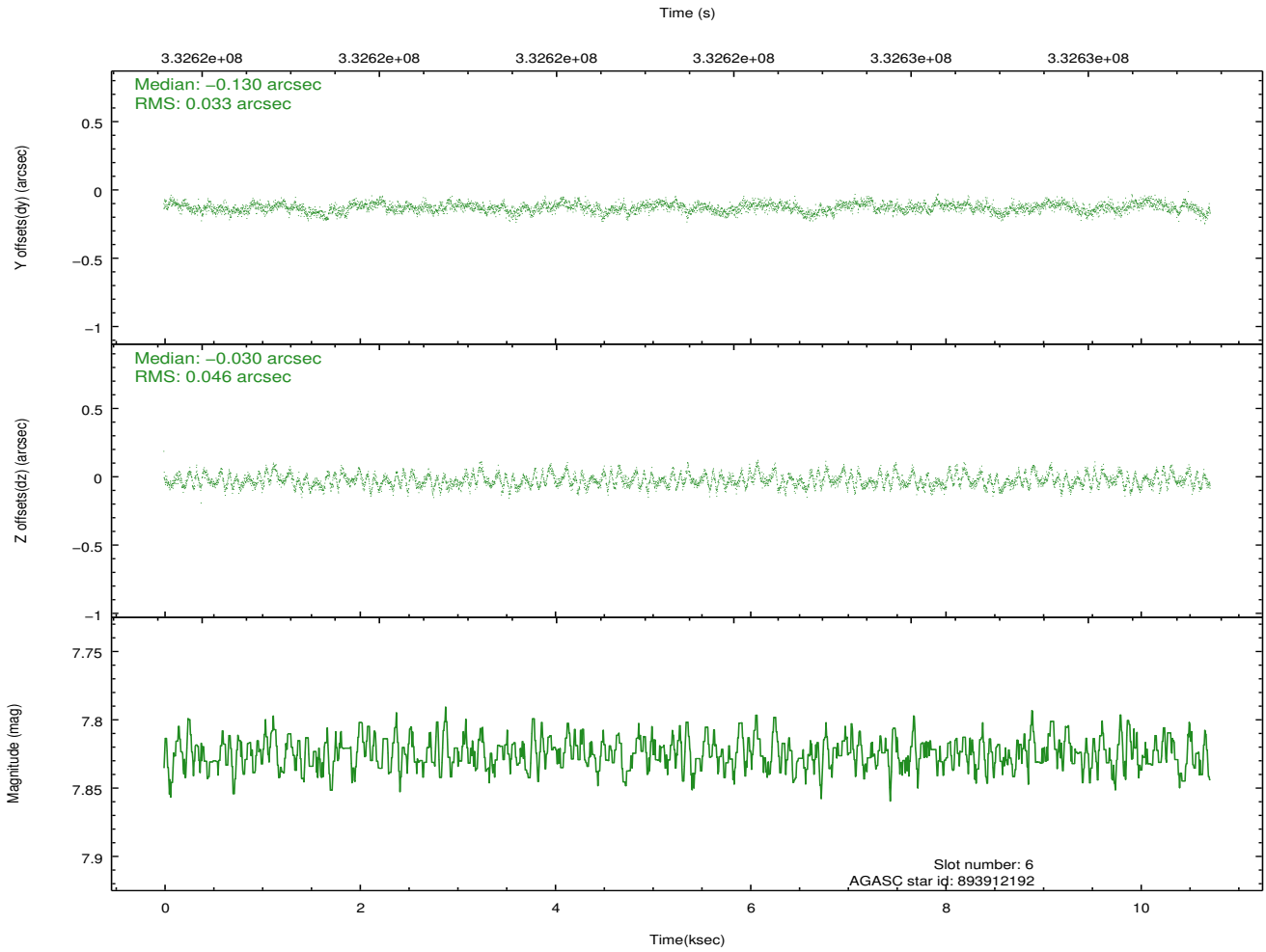
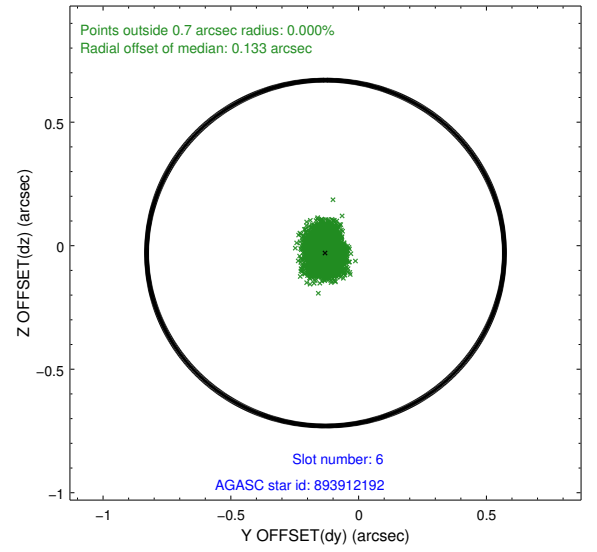
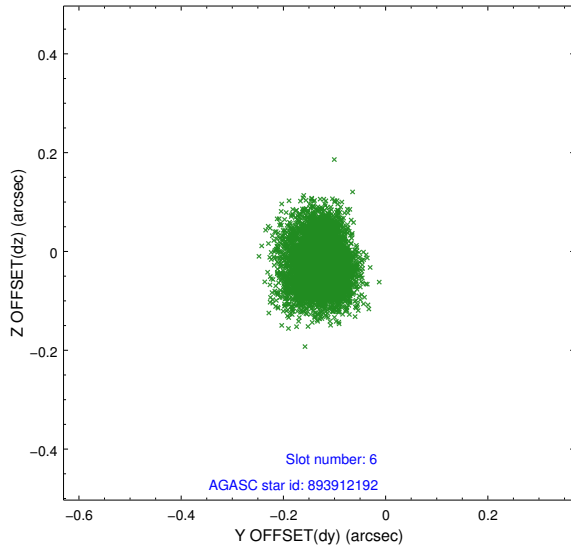
2.4.2 Slot 4



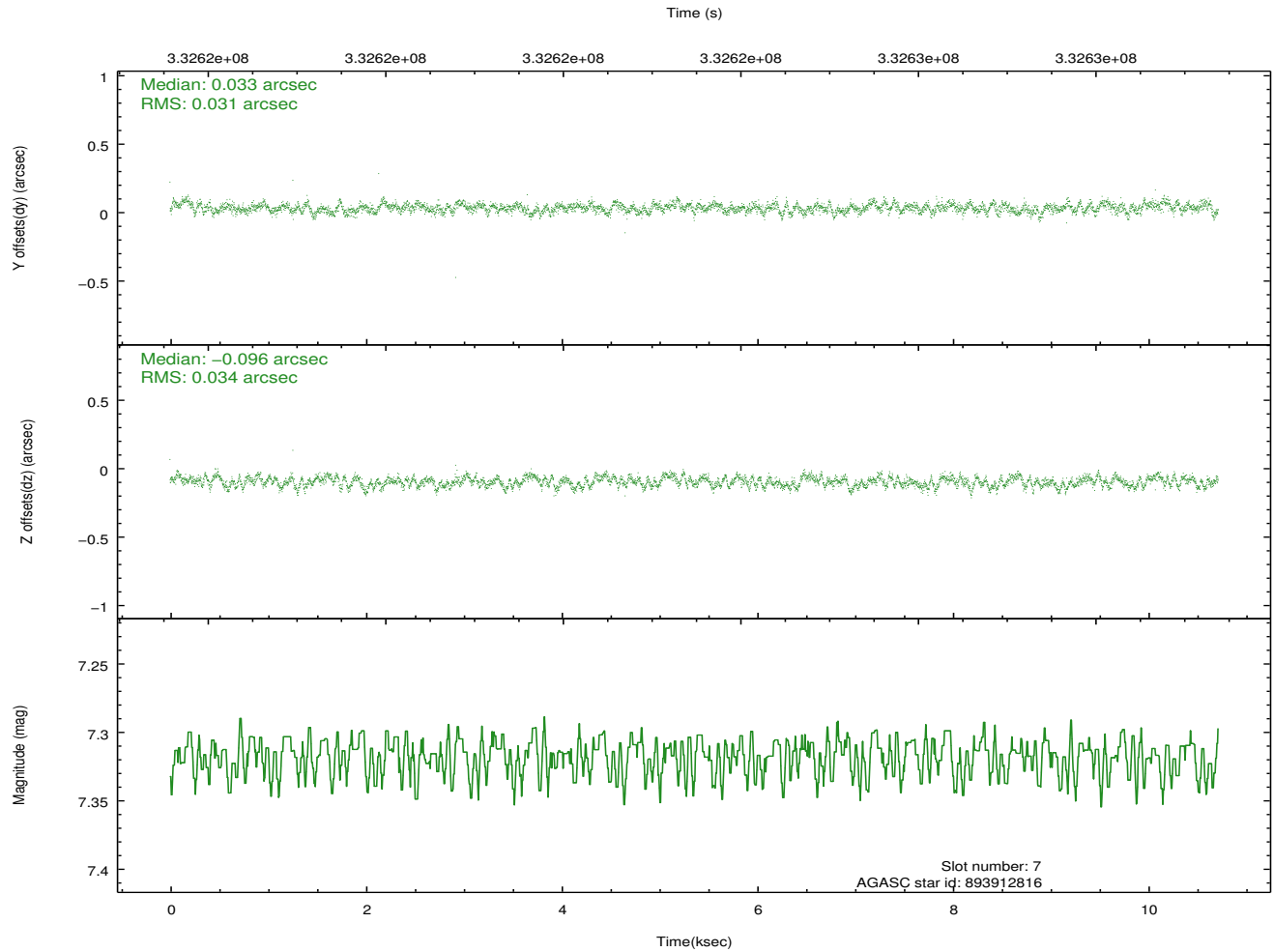
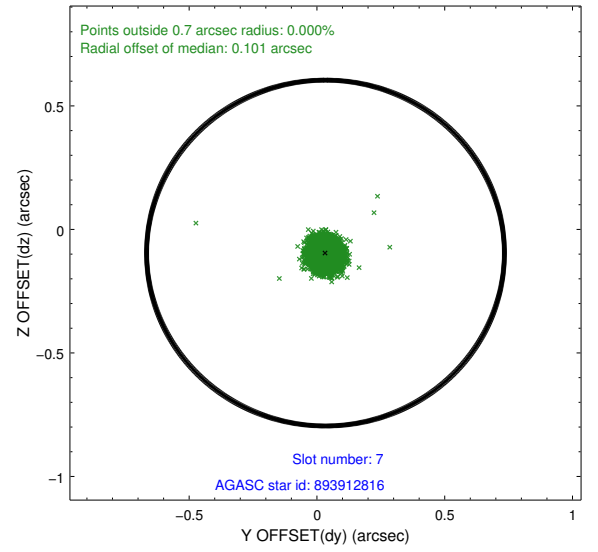
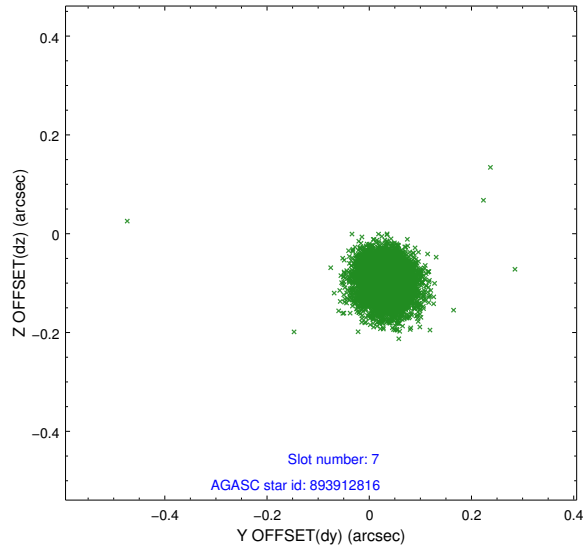
2.4.3 Slot 5



2.4.4 Slot 6

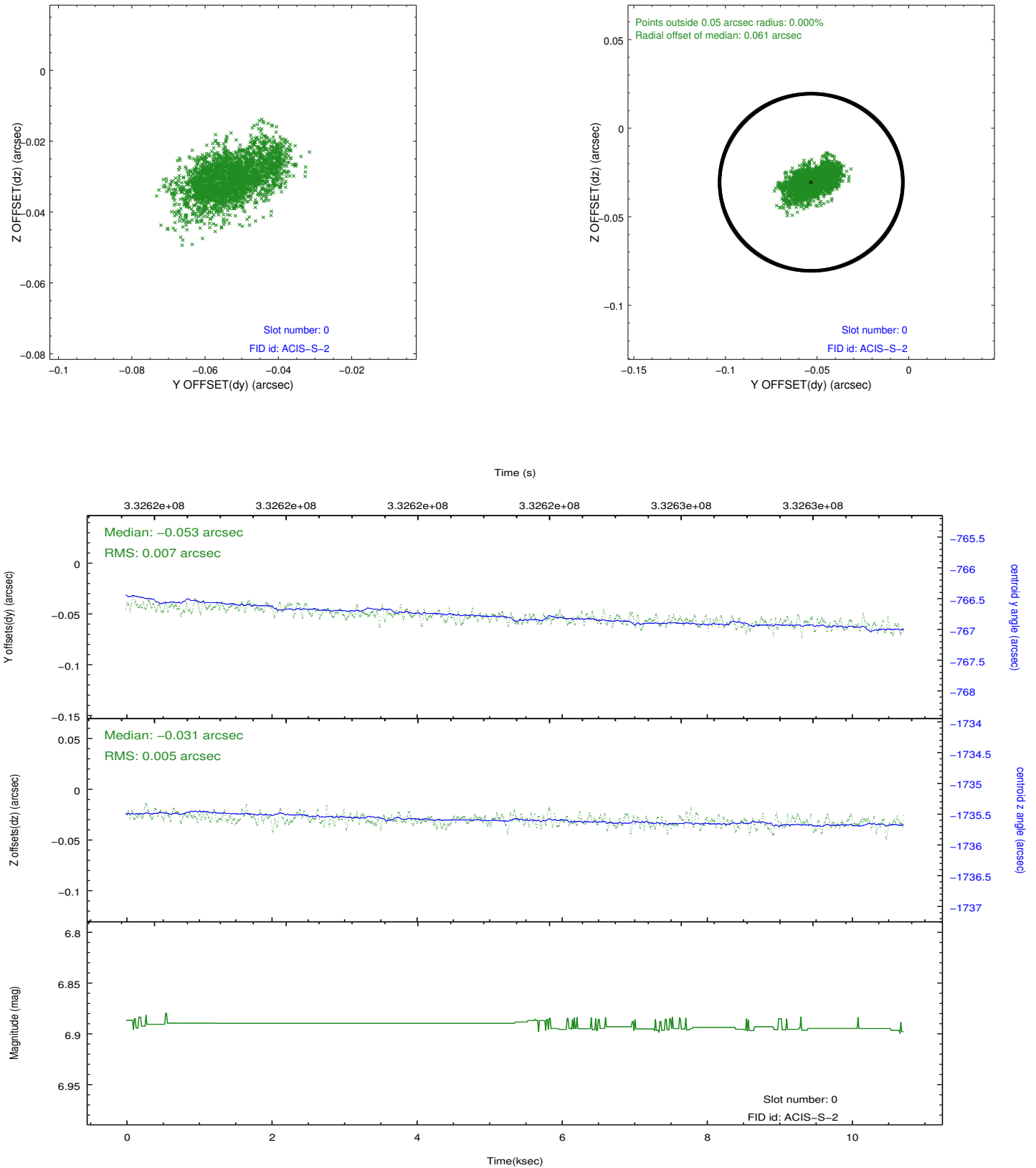


2.4.5 Slot 7

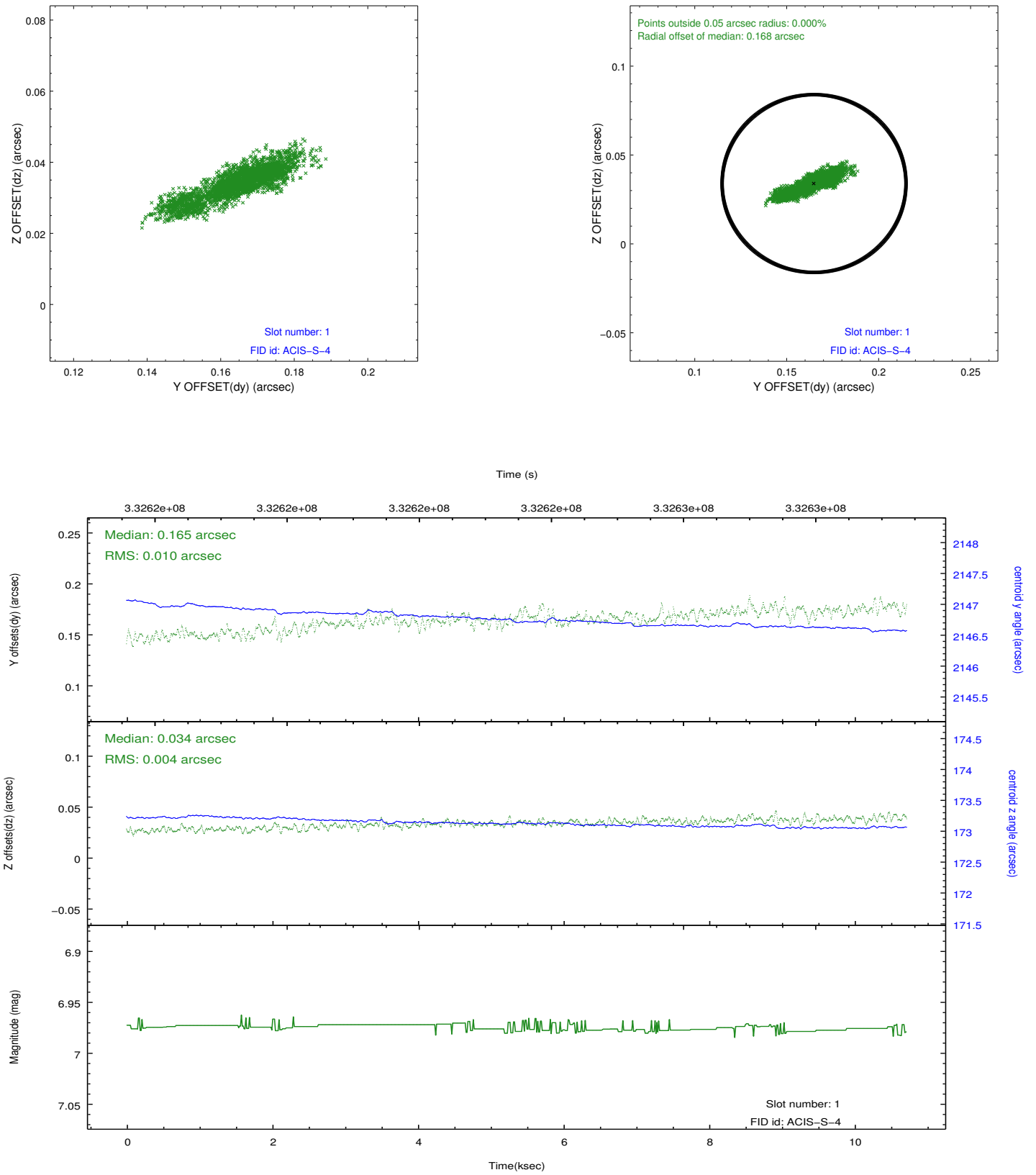


2.5 FID Slots

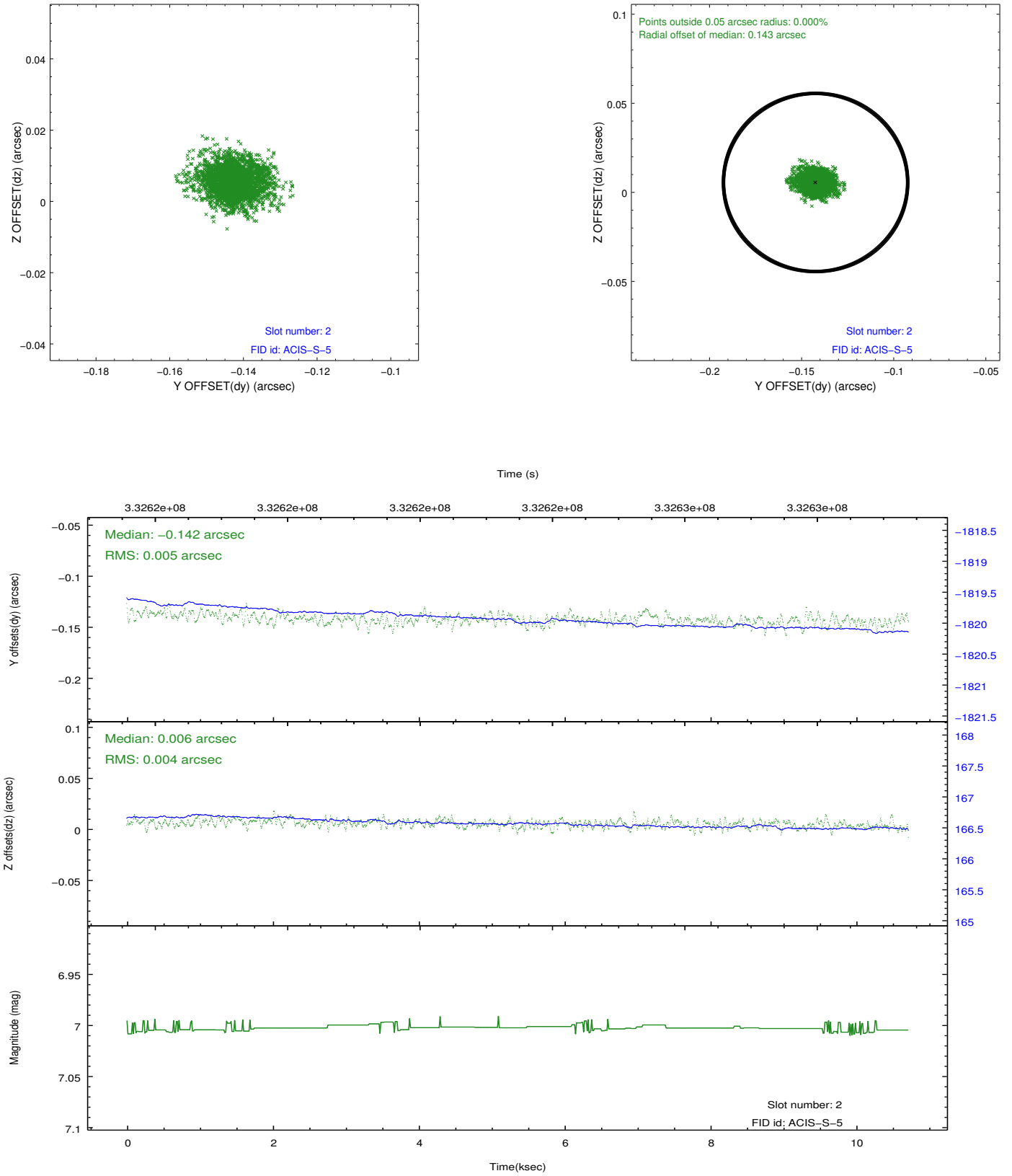
2.5.1 Slot 0



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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0447999

A.2 Comments