

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8957 - L2 Version 2
Chandra X-Ray Center

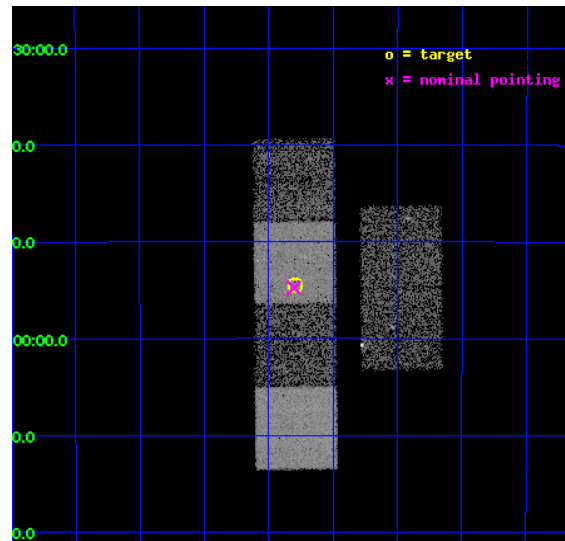
L2 Processing Date : May 25 2012

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1 Front

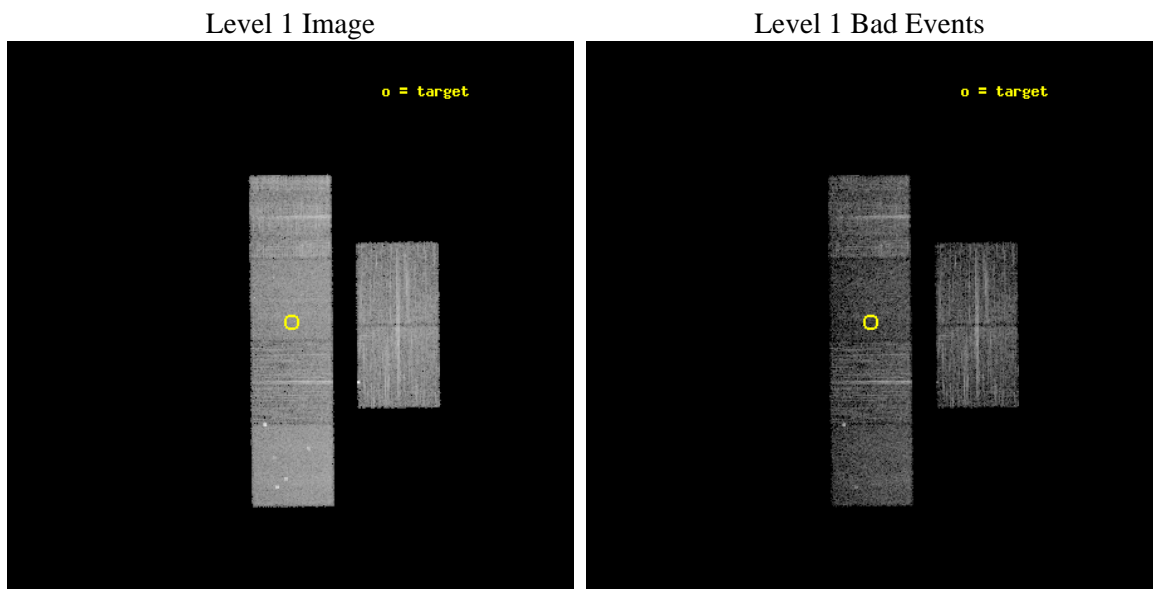
seq_num	300213	Sequence number
obs_id	8957	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6553	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.323333	Observer's specified target RA [deg]
dec_targ	-25.908611	Observer's specified target Dec [deg]
ra_nom	272.32612365368	Nominal RA [deg]
dec_nom	-25.912702723446	Nominal Dec [deg]
roll_nom	269.42193584143	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5254.1131914258	Sum of GTIs [s]
livetime	5187.5824465488	Livetime [s]
ontime2	5254.1542314291	Sum of GTIs [s]
ontime3	5253.9900714159	Sum of GTIs [s]
ontime5	5254.0721514225	Sum of GTIs [s]
ontime6	5254.0311114192	Sum of GTIs [s]
ontime7	5254.1131914258	Sum of GTIs [s]
ontime8	5247.4670709372	Sum of GTIs [s]
l2events	68789	Number of level 2 events



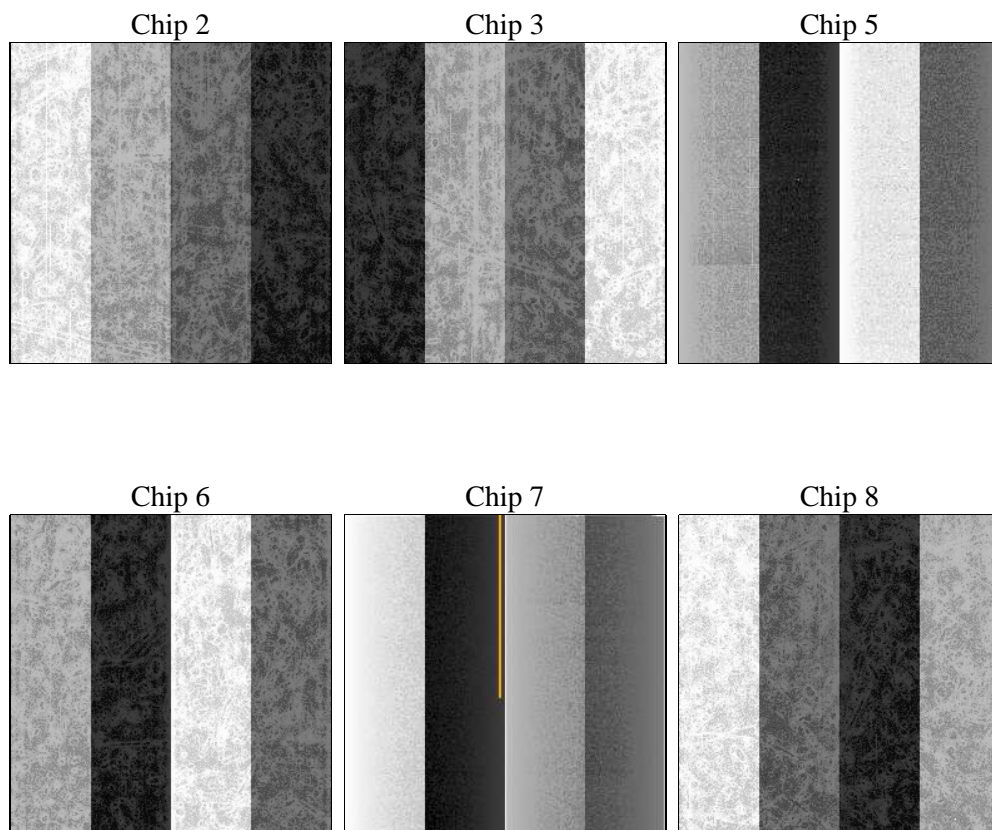
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5254.1131914258	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5254.1542314291	Sum of GTIs [s]
date	2012-05-25T05:13:49	Date and time of file creation	ontime3	5253.9900714159	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5254.0721514225	Sum of GTIs [s]
			ontime6	5254.0311114192	Sum of GTIs [s]
			ontime7	5254.1131914258	Sum of GTIs [s]
			ontime8	5247.4670709372	Sum of GTIs [s]
			l1events	298229	Number of level 1 events

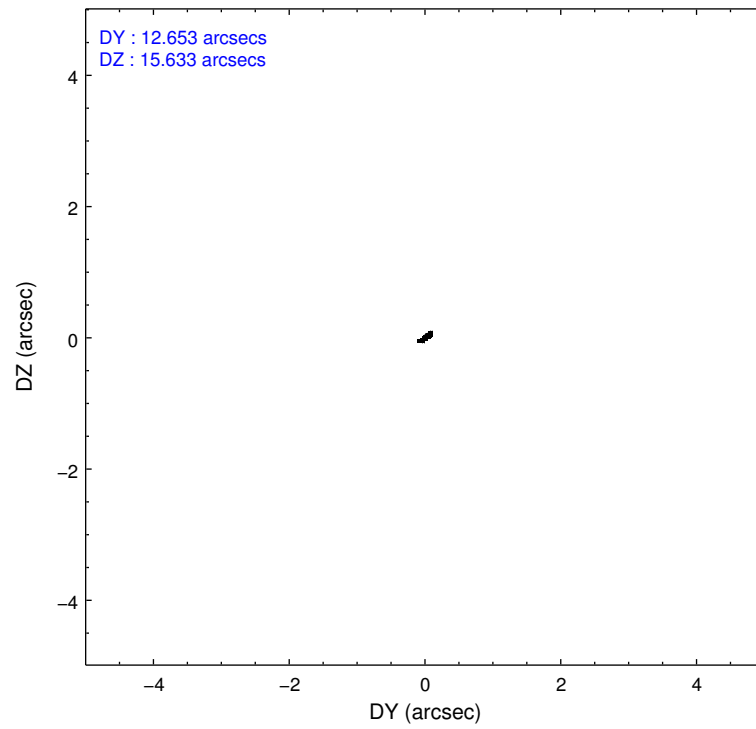
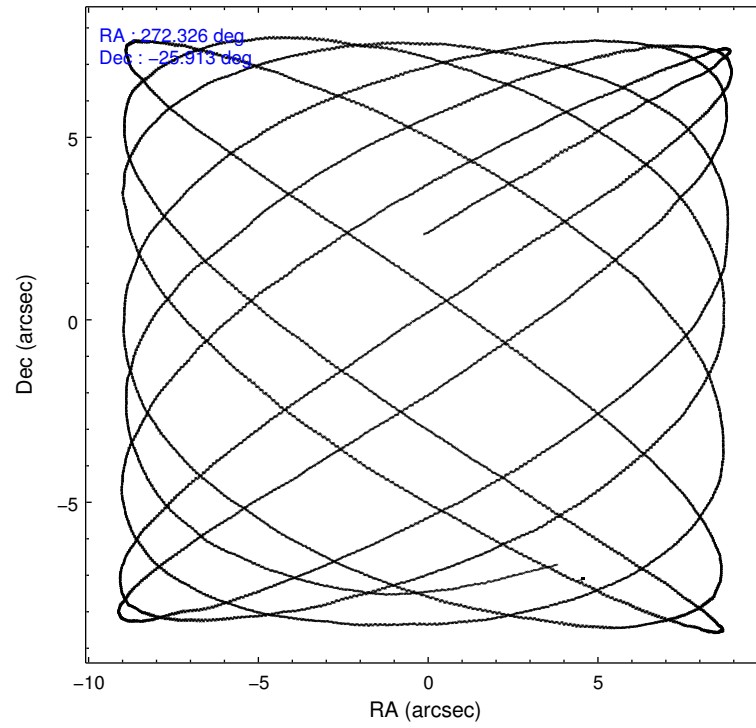
2.1.4 Events

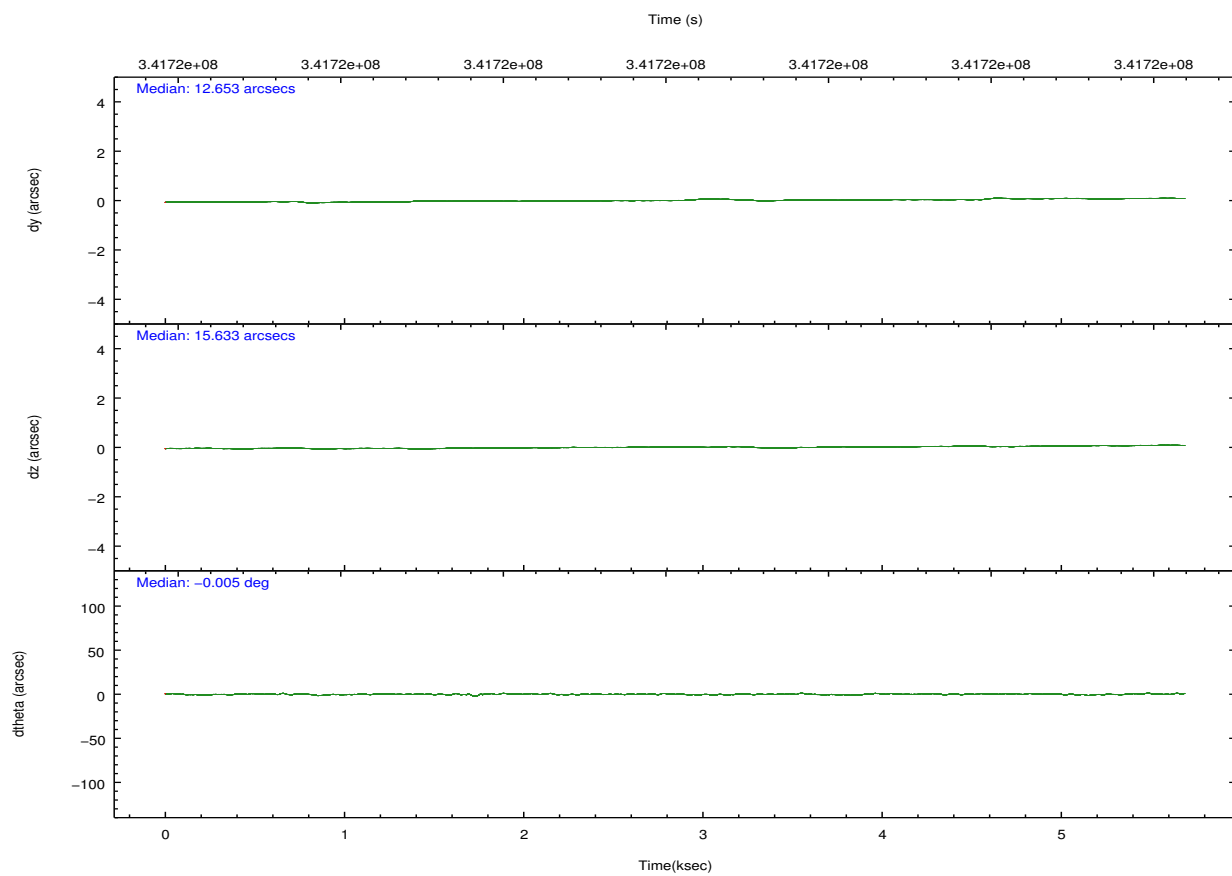
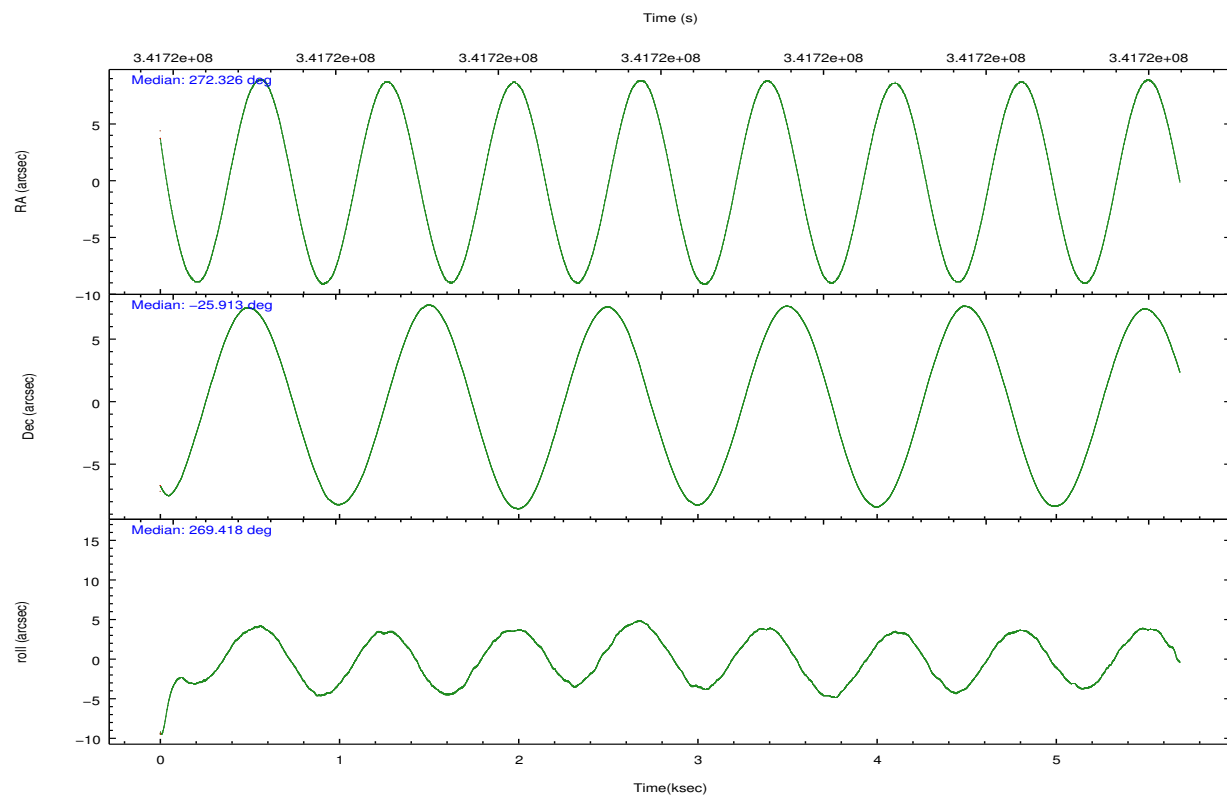
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47985	41252	61877	41546	48669	56900	grade 0 events	2986	1871	3634	1948	2484	4227
rejected events	41929	36729	30390	36567	25532	43382		6%	4%	5%	4%	5%	7%
rejected %	87%	89%	49%	88%	52%	76%	grade 1 events	42	20	277	35	54	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	1195	934	9342	1022	4800	3186
								2%	2%	15%	2%	9%	5%
							grade 3 events	482	478	1489	518	2181	1369
								1%	1%	2%	1%	4%	2%
							grade 4 events	579	470	1314	466	2168	1254
								1%	1%	2%	1%	4%	2%
							grade 5 events	1398	1636	5079	1750	4863	2383
								2%	3%	8%	4%	9%	4%
							grade 6 events	816	777	15768	1031	11535	3489
								1%	1%	25%	2%	23%	6%
							grade 7 events	40487	35066	24974	34776	20584	40941
								84%	85%	40%	83%	42%	71%

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	272.310829	272.3261236536763	CCD I2 on	O1	Y
[deg] Pointing Dec	-25.889136	-25.91270272344596	CCD I3 on	O2	Y
[deg] Pointing Roll	269.258646	269.4219358414342	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	341718397.184000	341717892.94164	CCD S5 on	N	N
Observation start date	2008-10-30T01:45:32	2008-10-30T01:38:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341723897.184000	341724165.94195	On-chip summing requested	N	N
Observation end date	2008-10-30T03:17:12	2008-10-30T03:22:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



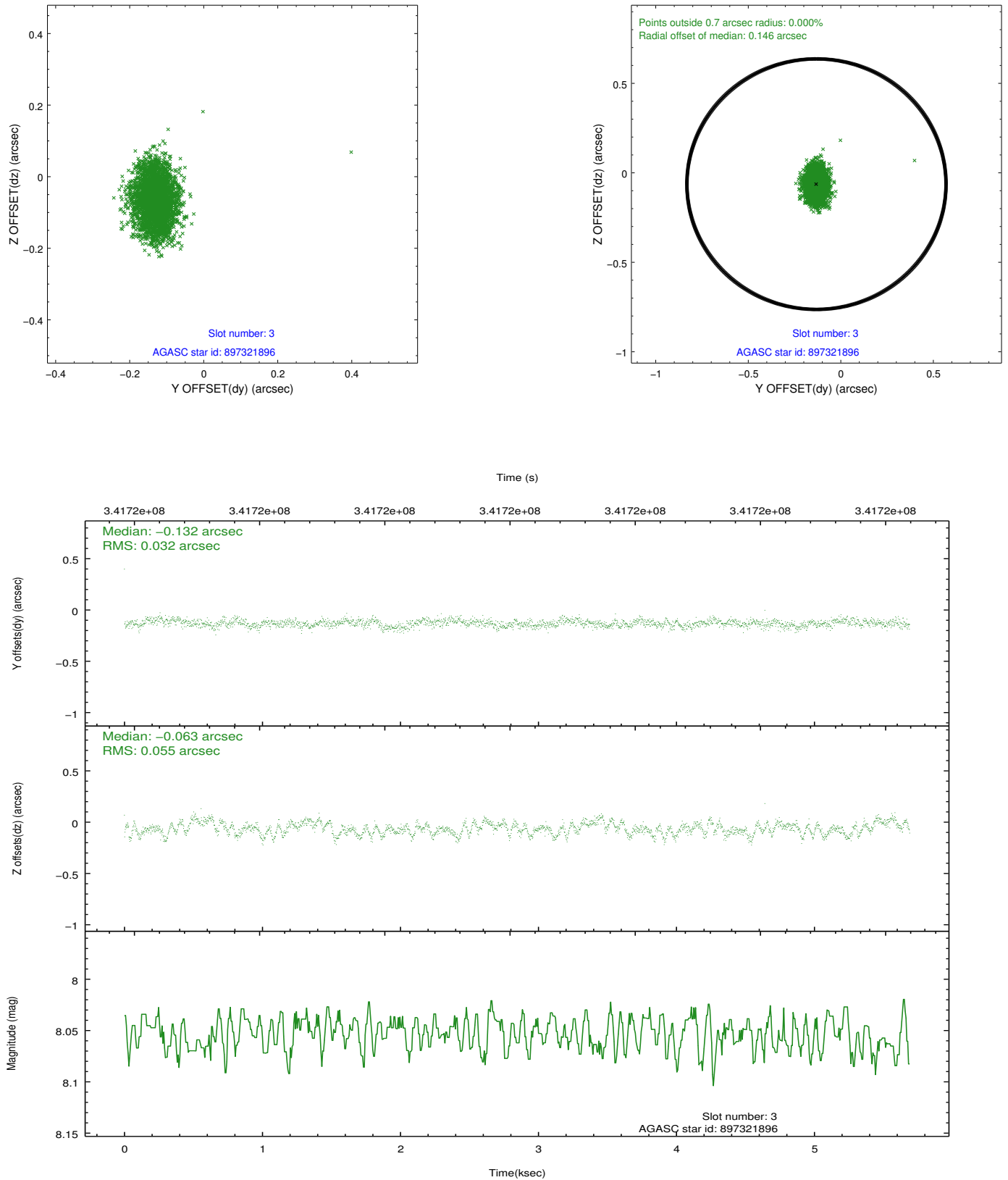


Slot Statistics

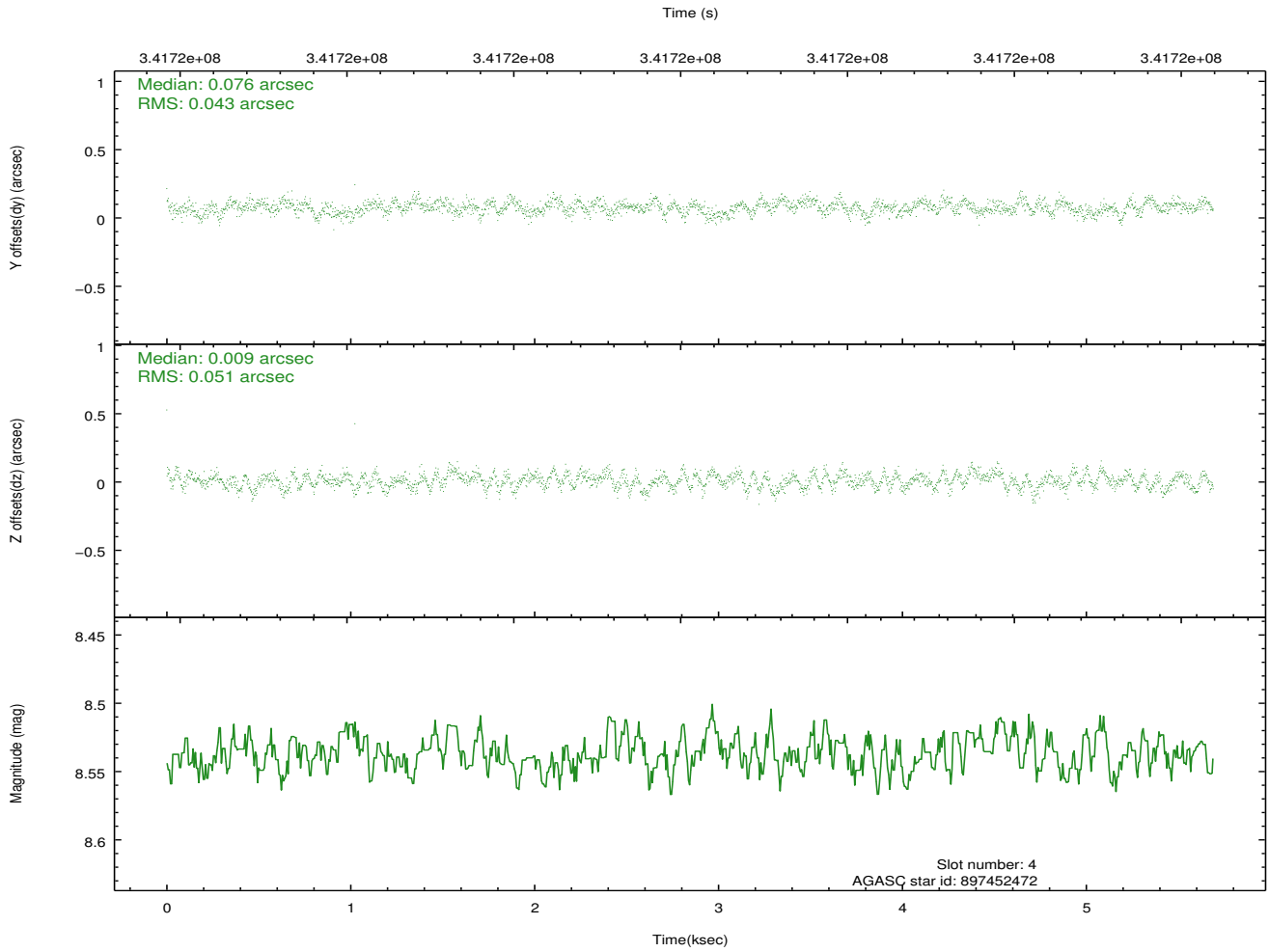
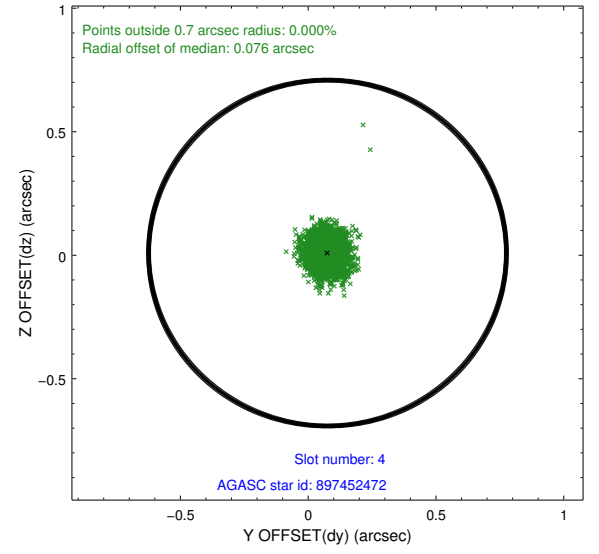
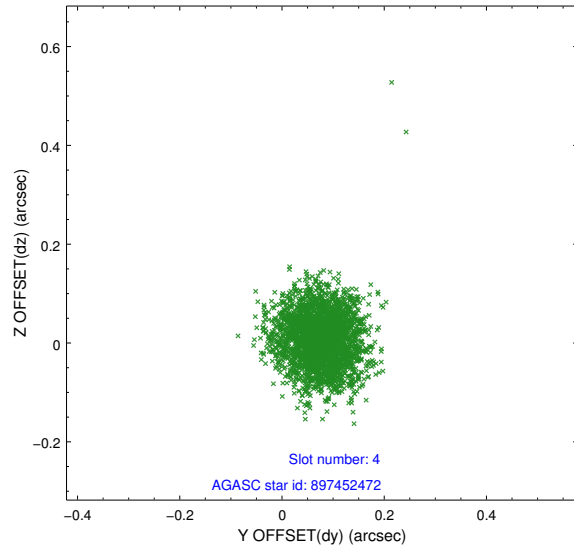
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1389	-0.041	0.003	0.008	0.014	0.000000	0.000000	-765.57	-1736.99
1	FID	ACIS-S-4	6.98	1389	0.124	0.019	0.006	0.013	0.000000	0.000000	2147.36	170.47
2	FID	ACIS-S-5	7.01	1389	-0.114	-0.013	0.008	0.014	0.000000	0.000000	-1817.18	165.23
3	GUIDE	897321896	8.05	2775	-0.132	-0.063	0.067	0.110	271.639414	-25.476837	-1449.47	-2200.71
4	GUIDE	897452472	8.54	2777	0.076	0.009	0.071	0.112	272.897639	-26.119105	807.48	1906.78
5	GUIDE	897465768	7.83	2776	-0.093	-0.042	0.067	0.107	272.486247	-25.285827	-2178.07	543.47
6	GUIDE	897856624	8.76	2776	-0.003	0.097	0.080	0.127	271.749566	-26.260203	1362.97	-1794.06
7	GUIDE	898027632	7.99	2775	0.158	0.005	0.060	0.097	272.207016	-26.554933	2402.44	-303.74

2.4 Star Slots

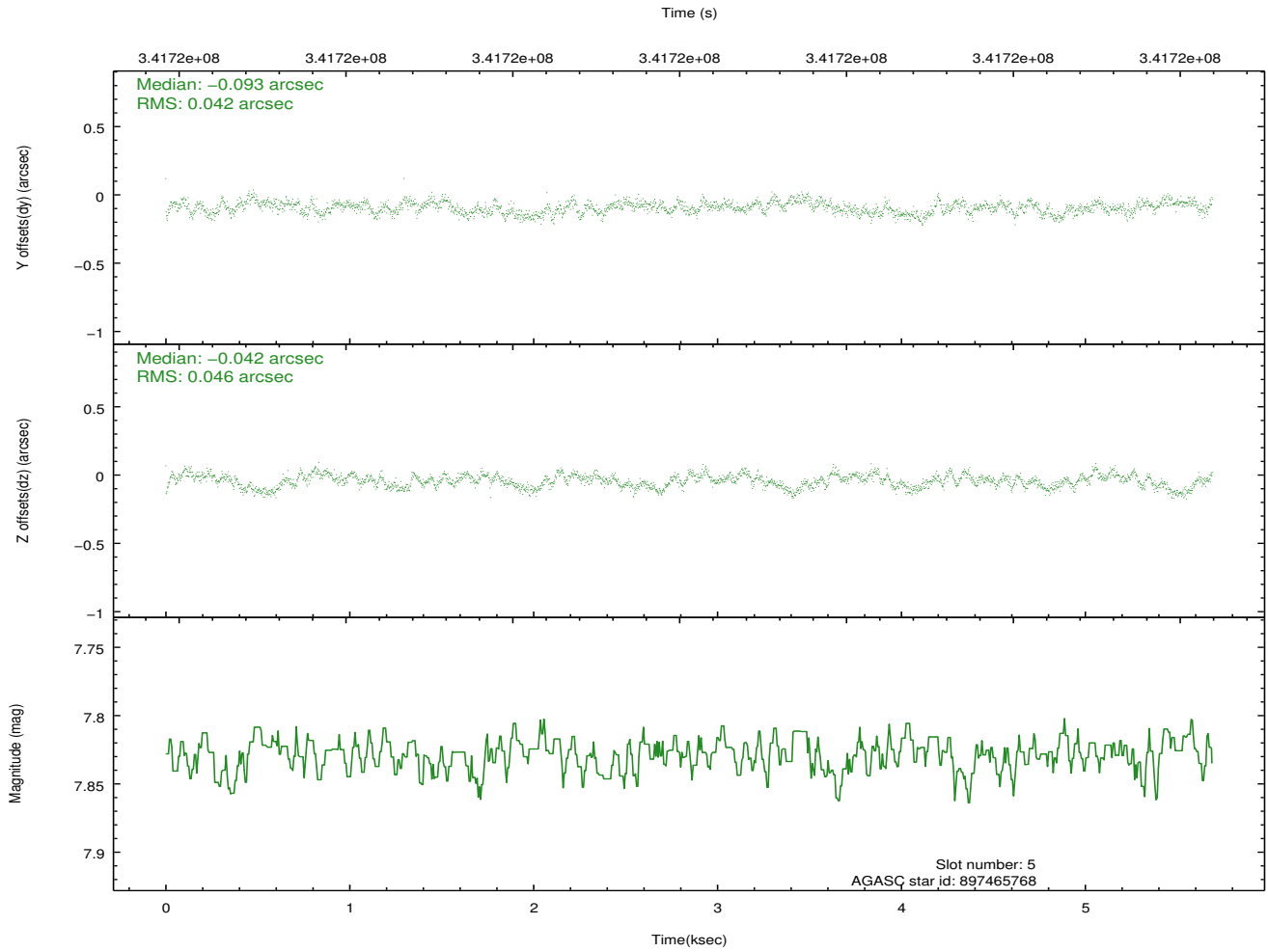
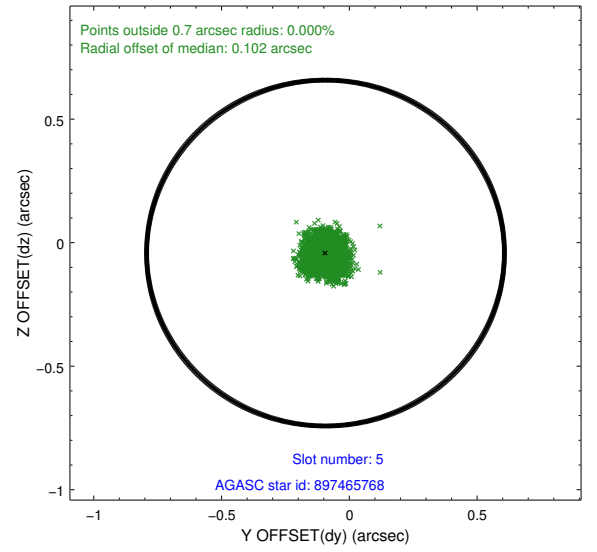
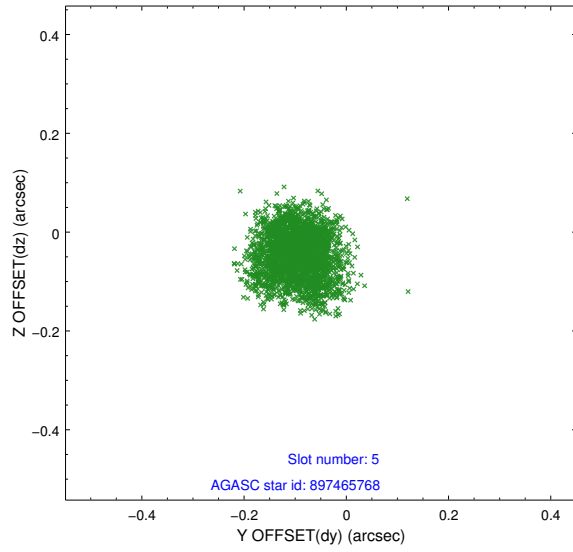
2.4.1 Slot 3



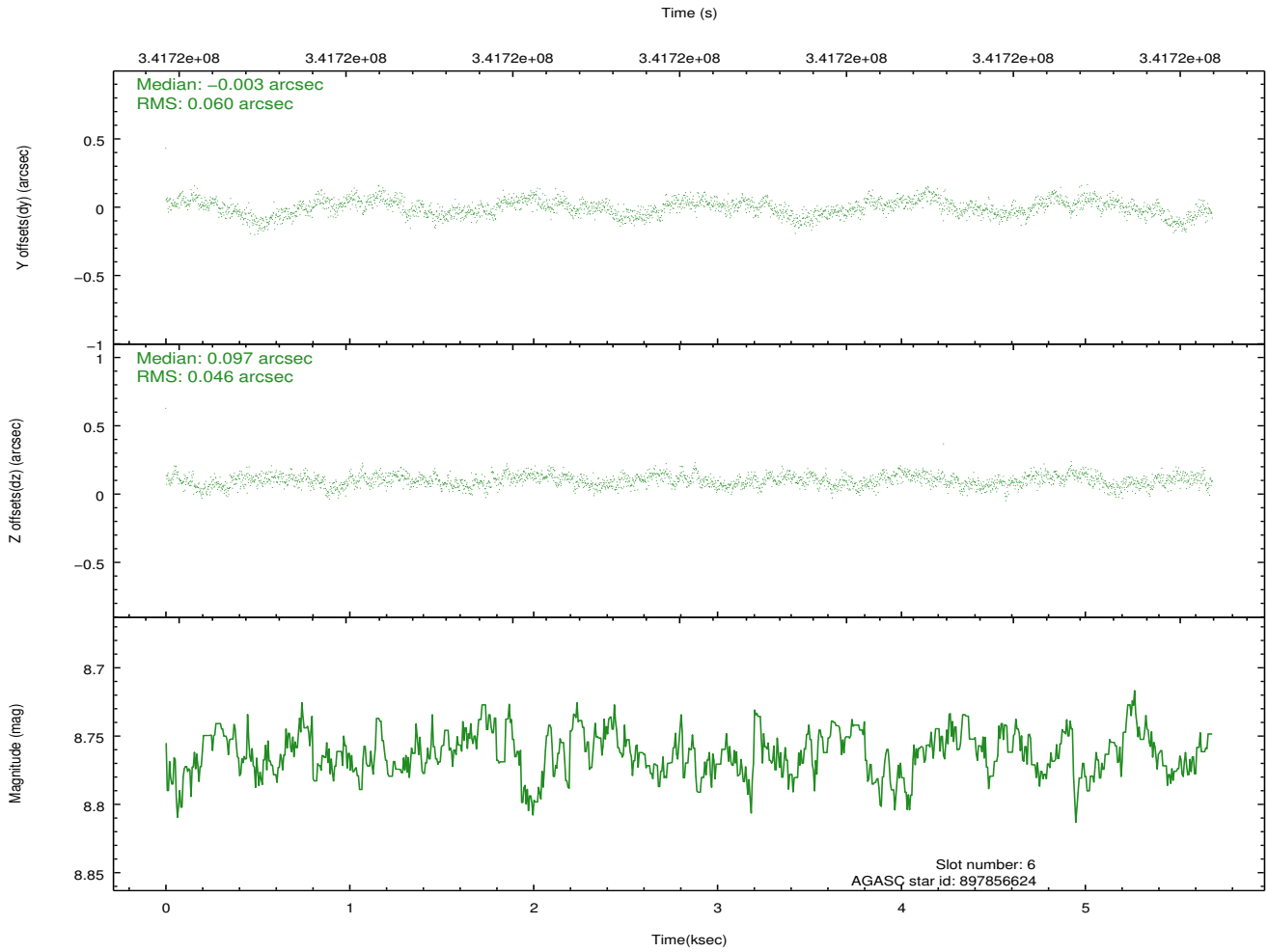
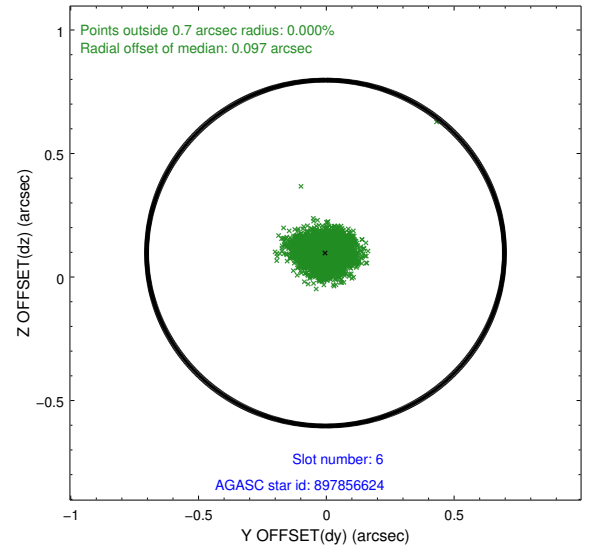
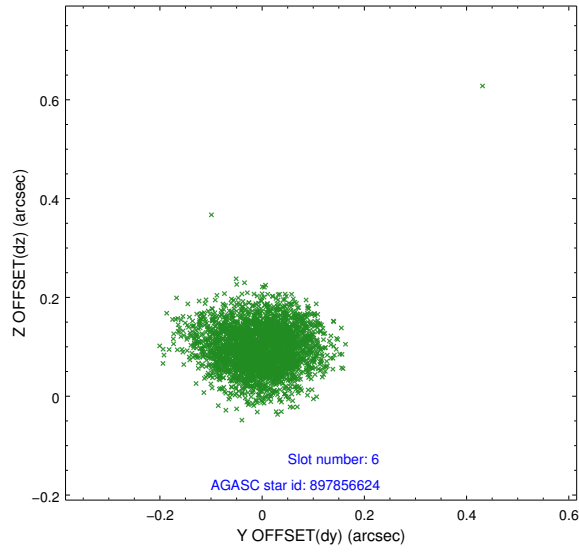
2.4.2 Slot 4



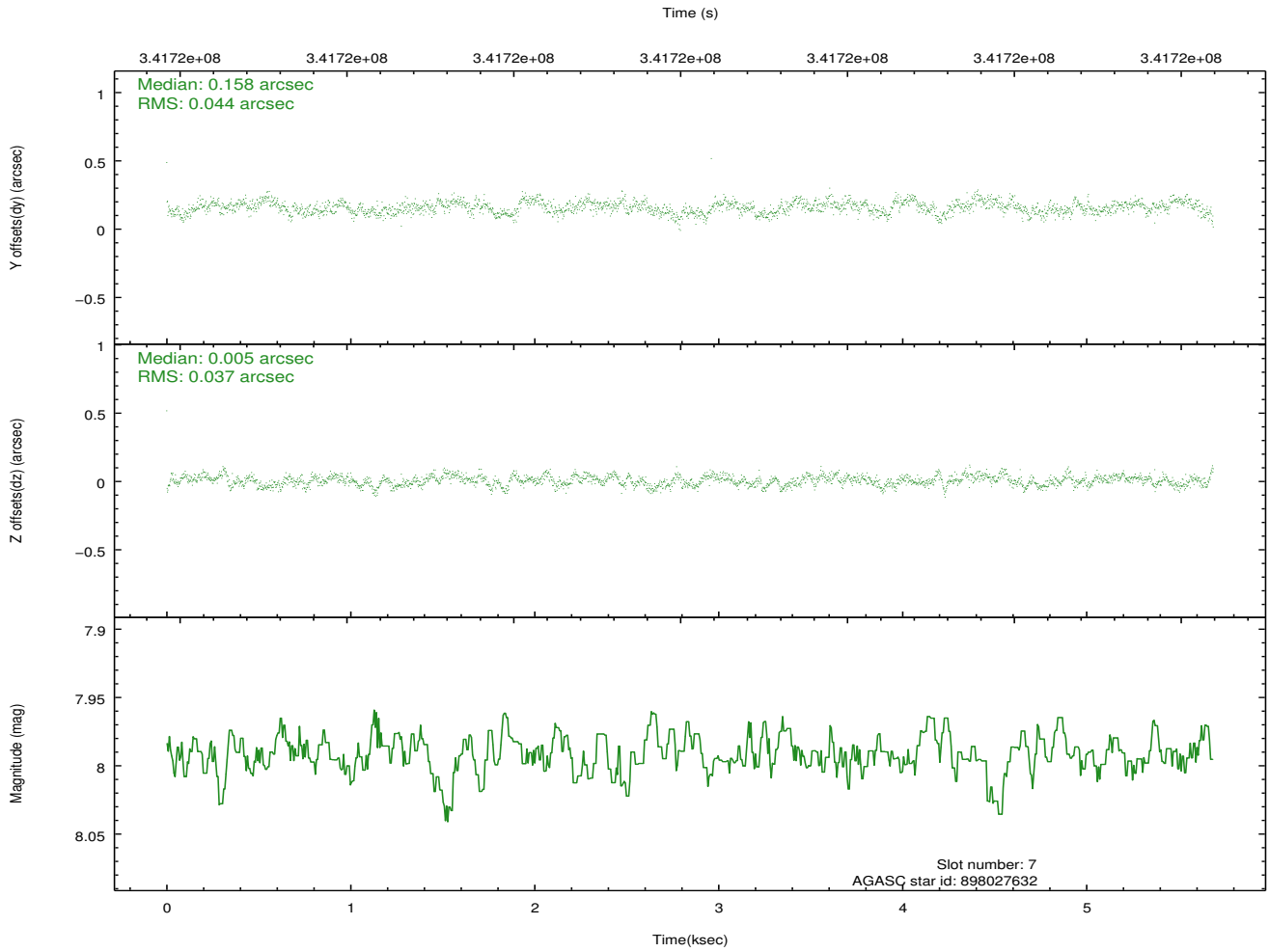
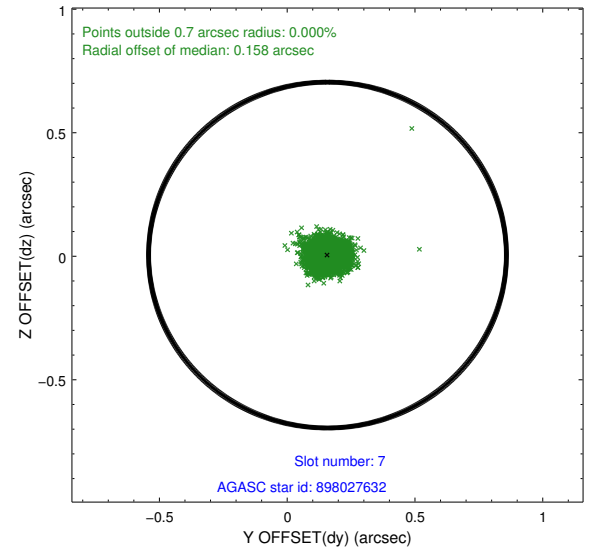
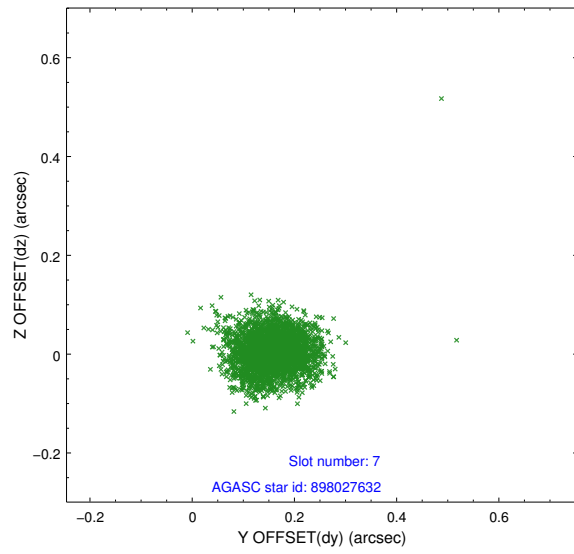
2.4.3 Slot 5



2.4.4 Slot 6

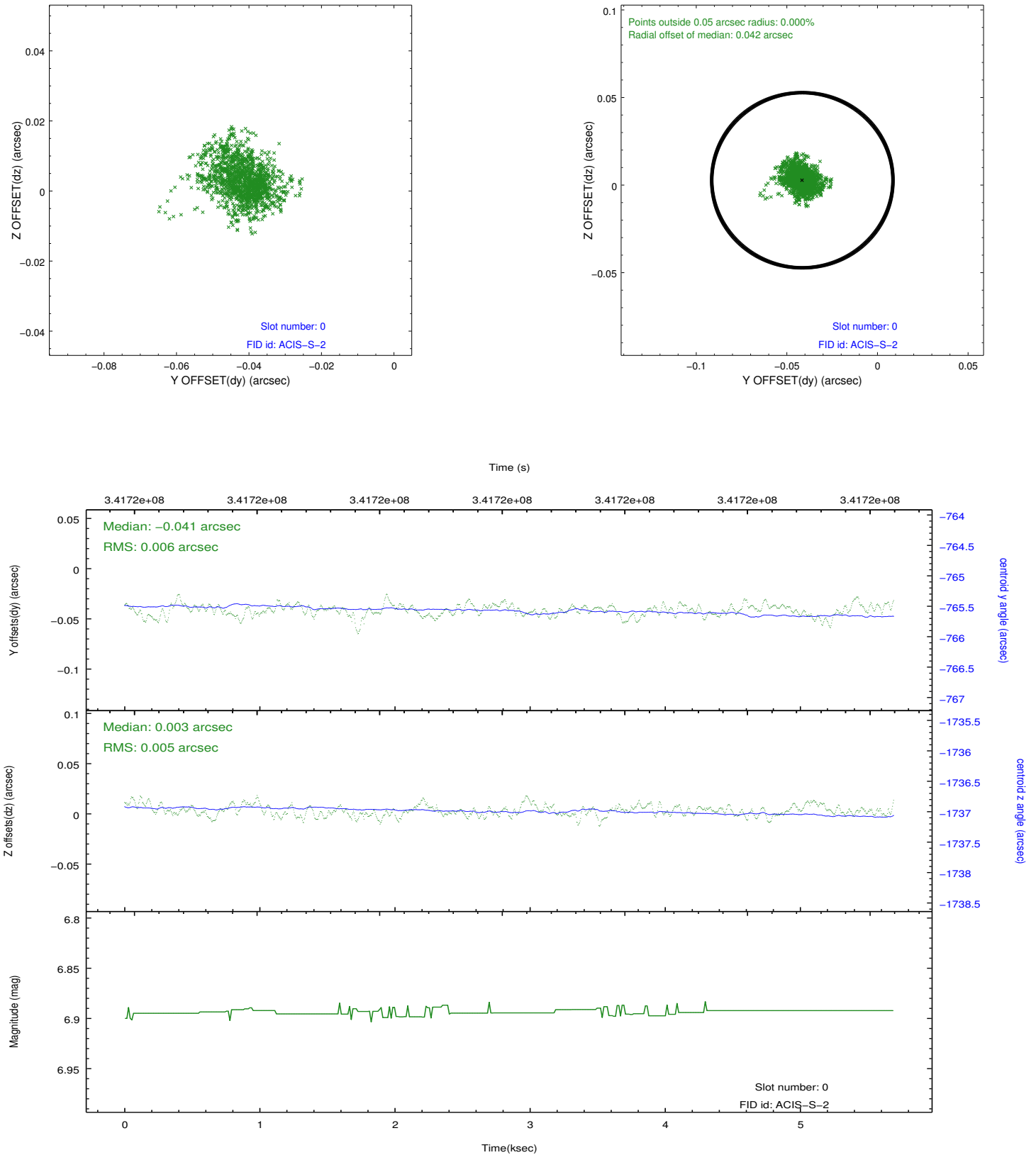


2.4.5 Slot 7

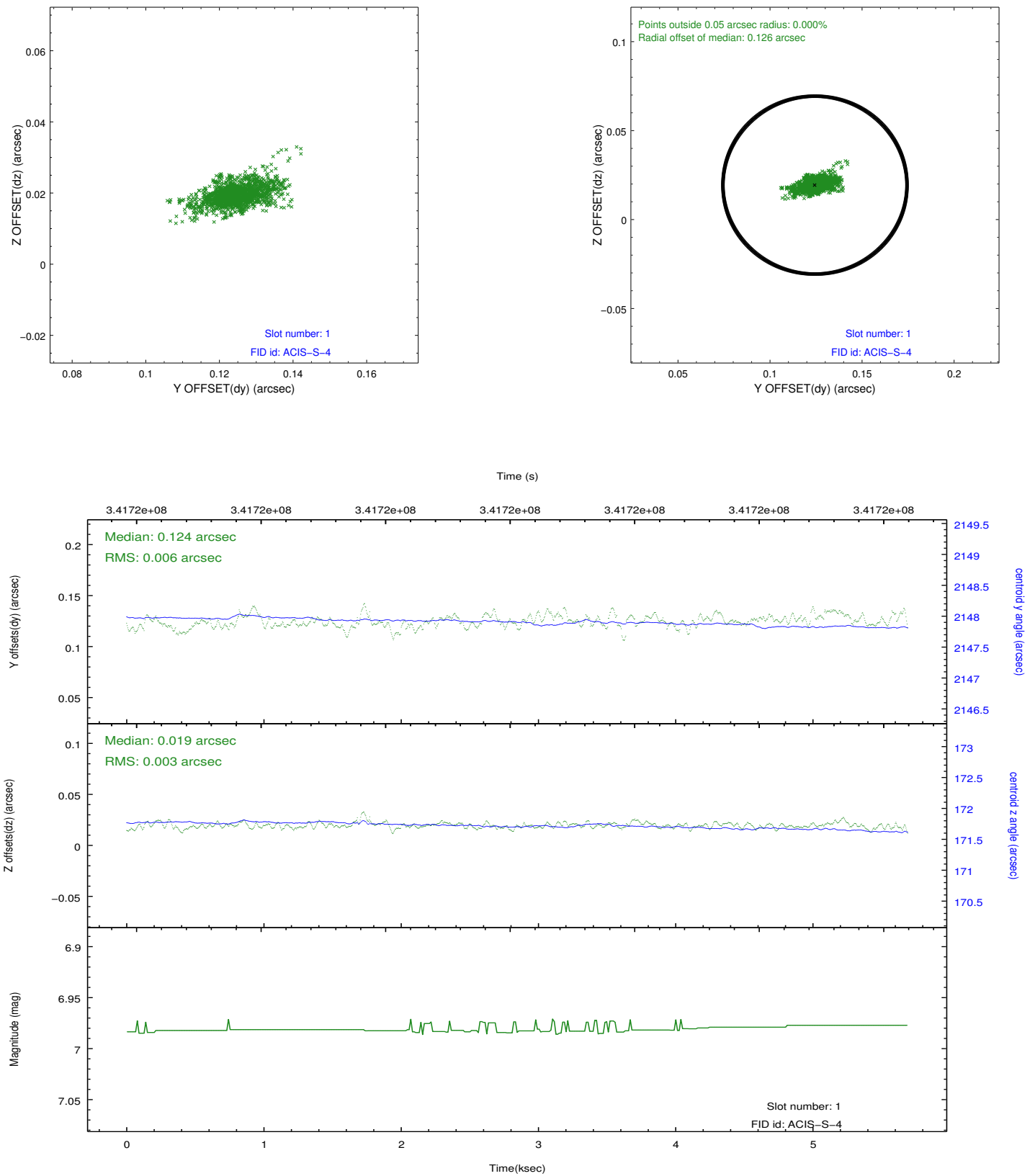


2.5 FID Slots

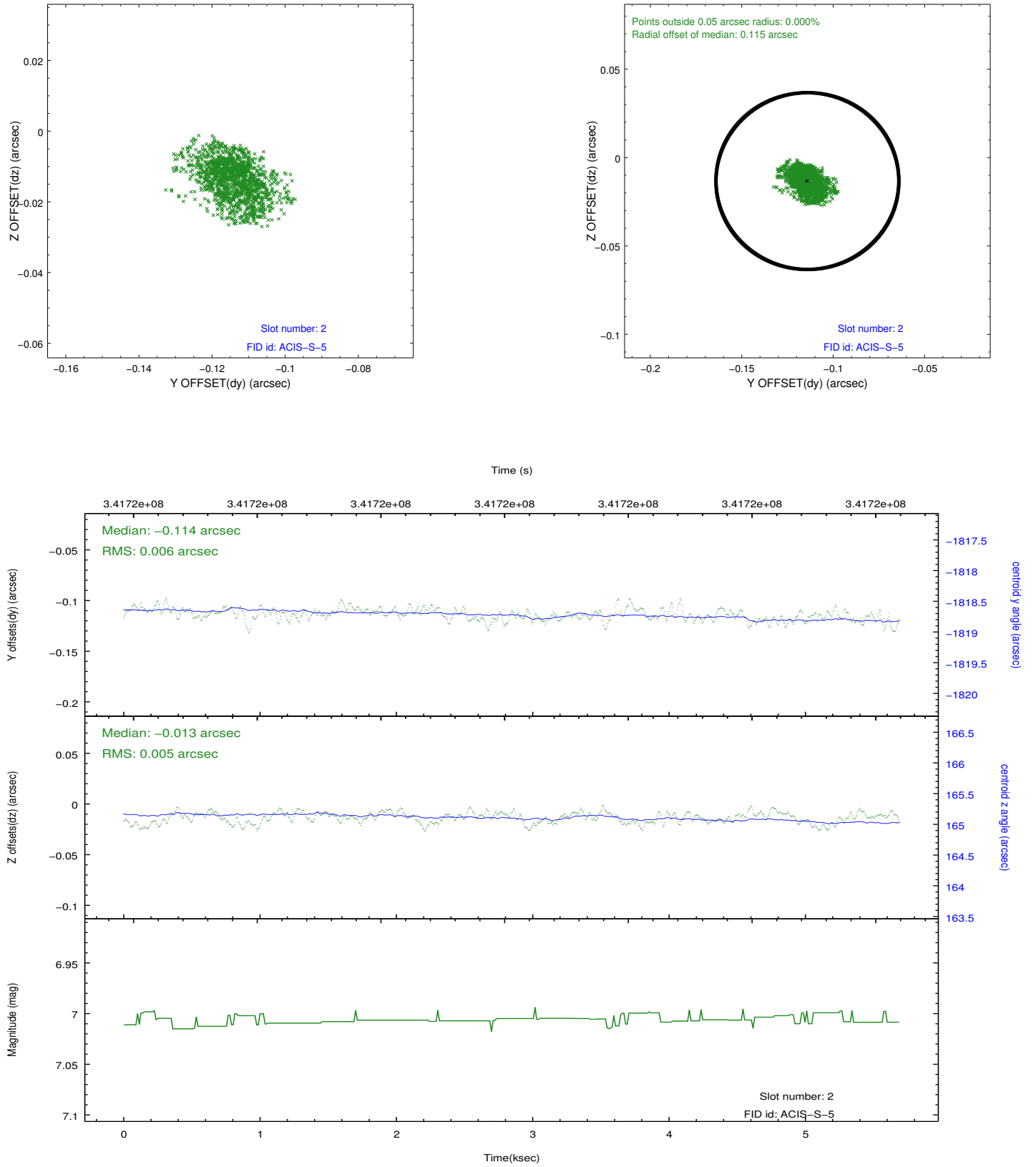
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.25439998

A.2 Comments