

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8961 - L2 Version 2
Chandra X-Ray Center

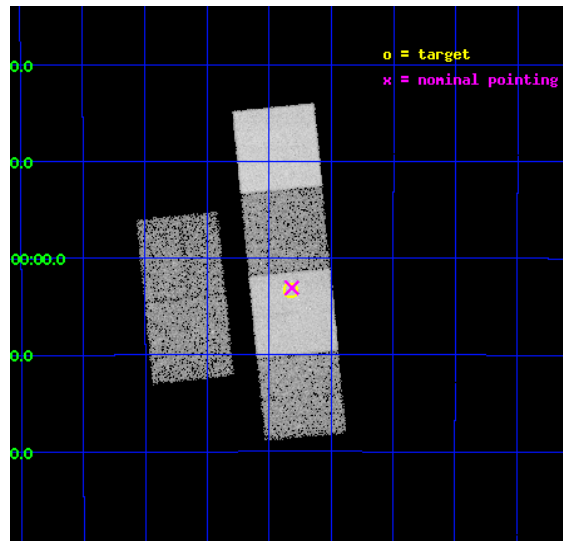
L2 Processing Date : May 14 2012

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

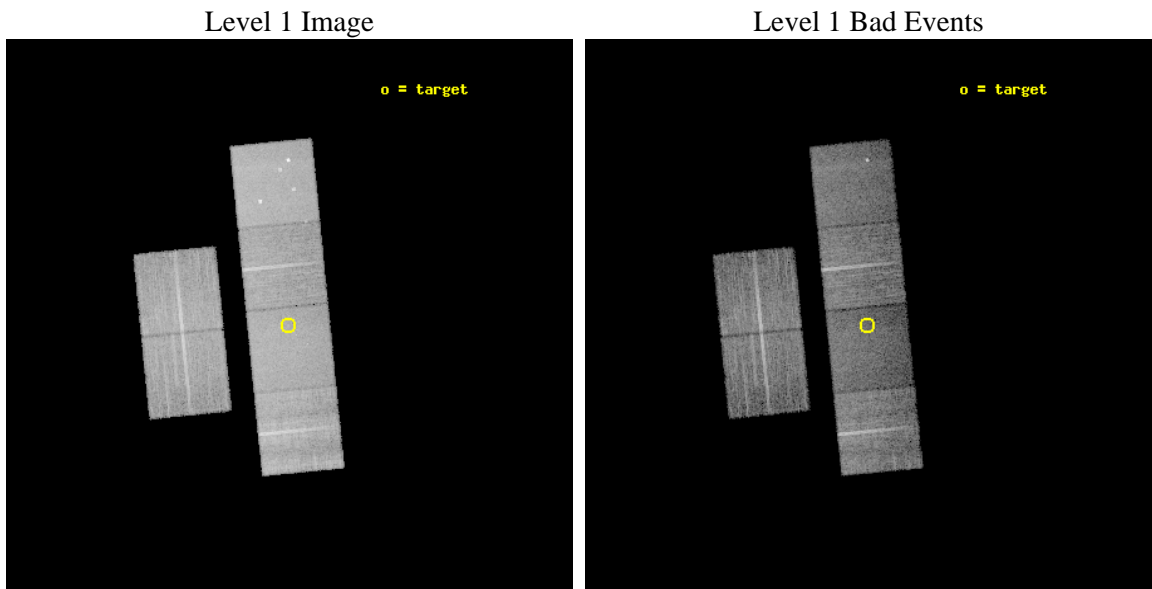
seq_num	300217	Sequence number
obs_id	8961	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6528	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	271.206667	Observer's specified target RA [deg]
dec_targ	-30.055833	Observer's specified target Dec [deg]
ra_nom	271.20424472879	Nominal RA [deg]
dec_nom	-30.0514312642	Nominal Dec [deg]
roll_nom	84.29737123016	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12371.199953973	Sum of GTIs [s]
livetime	12214.548371114	Livetime [s]
ontime2	12371.199953973	Sum of GTIs [s]
ontime3	12371.199953973	Sum of GTIs [s]
ontime5	12371.199953973	Sum of GTIs [s]
ontime6	12367.958953738	Sum of GTIs [s]
ontime7	12371.199953973	Sum of GTIs [s]
ontime8	12367.958963633	Sum of GTIs [s]
l2events	154114	Number of level 2 events



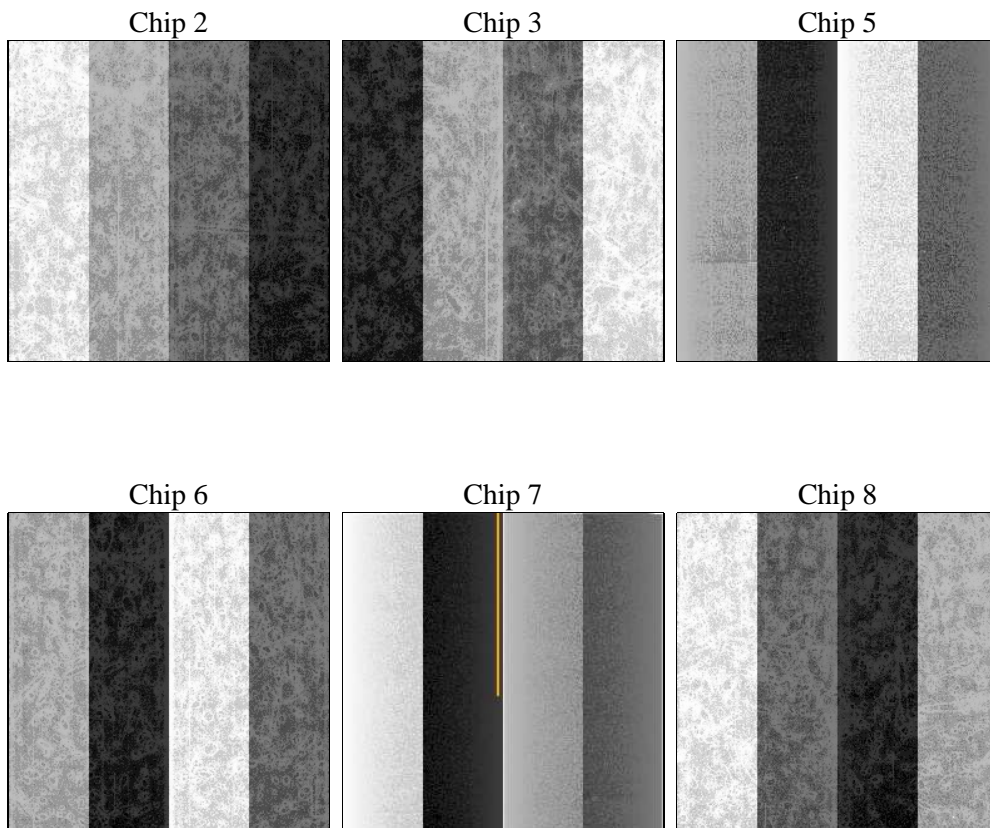
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	12371.199953973	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	12371.199953973	Sum of GTIs [s]
date	2012-05-14T01:18:53	Date and time of file creation	ontime3	12371.199953973	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	12371.199953973	Sum of GTIs [s]
			ontime6	12367.958953738	Sum of GTIs [s]
			ontime7	12371.199953973	Sum of GTIs [s]
			ontime8	12367.958963633	Sum of GTIs [s]
			l1events	658280	Number of level 1 events

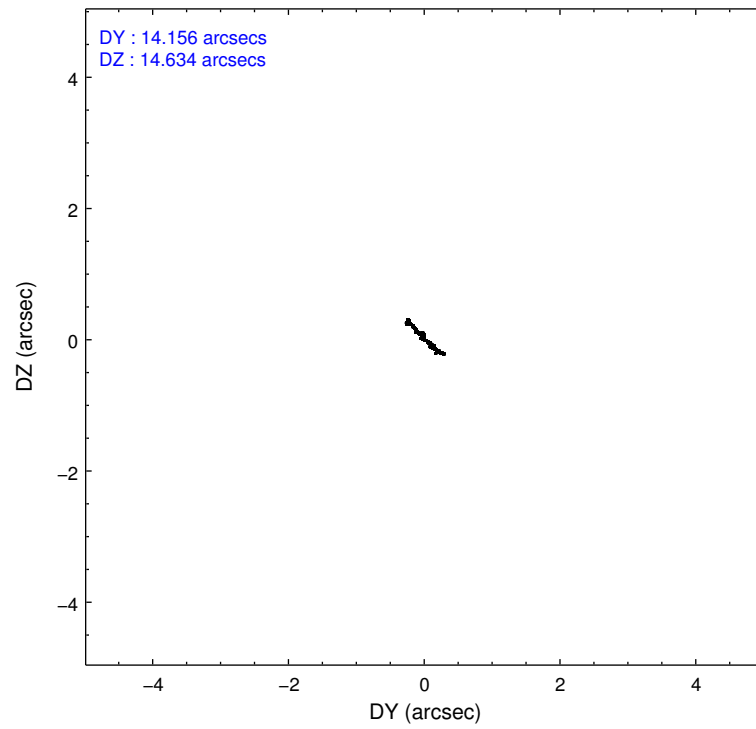
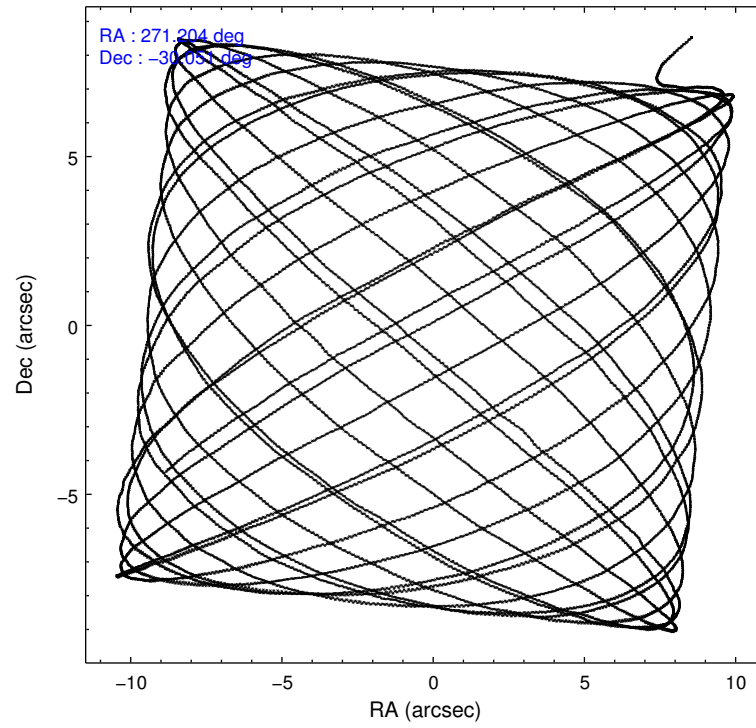
2.1.4 Events

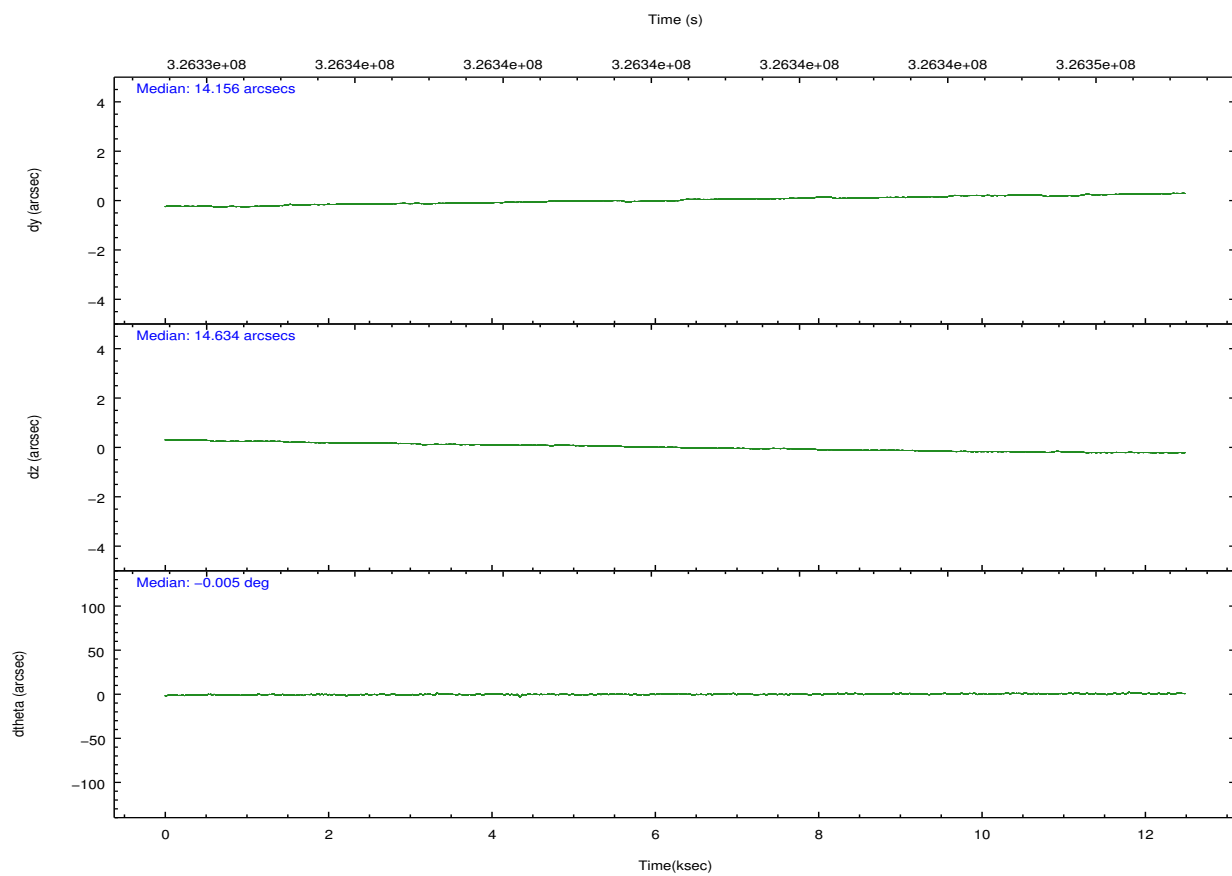
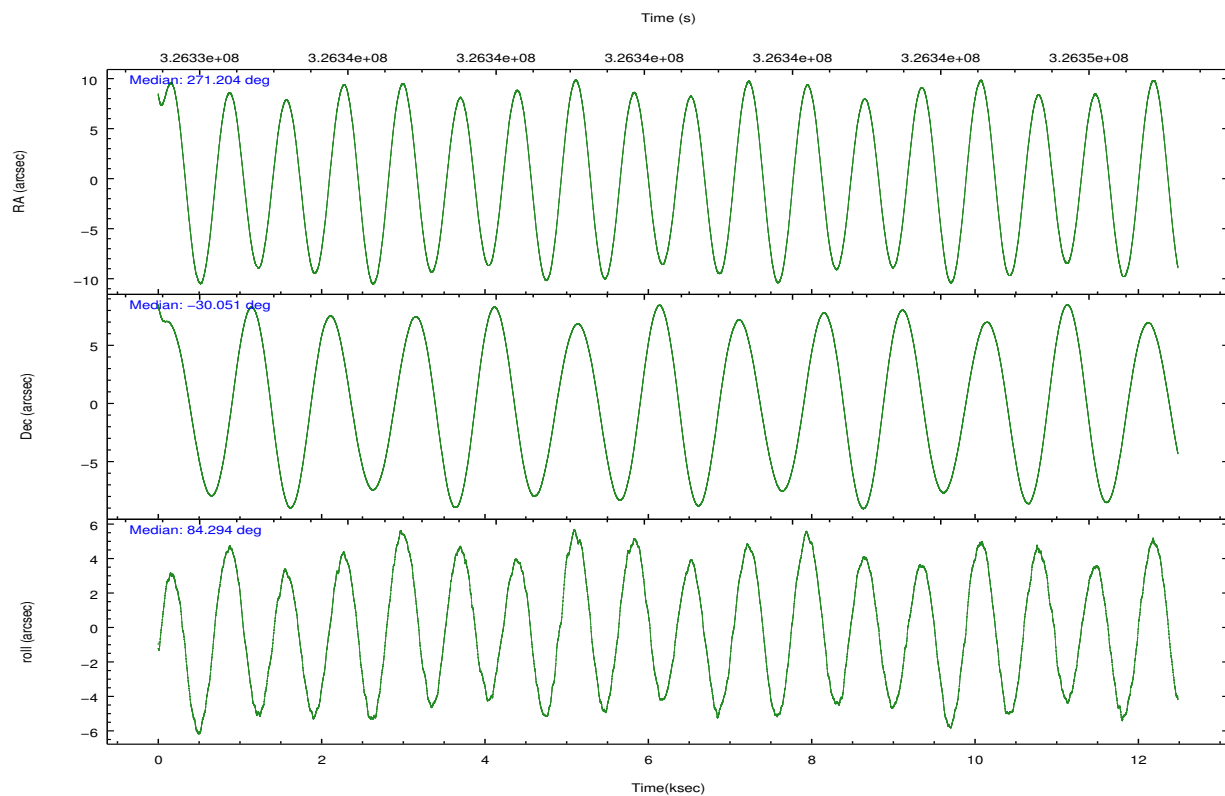
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	101780	92559	136442	95790	109917	121792	grade 0 events	4337	4351	8635	5038	5308	9876
rejected events	91160	82413	66586	83947	58058	90435		4%	4%	6%	5%	4%	8%
rejected %	89%	89%	48%	87%	52%	74%	grade 1 events	56	59	302	60	137	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	2402	2004	20338	2414	10778	7059
								2%	2%	14%	2%	9%	5%
							grade 3 events	1047	976	3359	1130	4769	3227
								1%	1%	2%	1%	4%	2%
							grade 4 events	1051	1019	2931	1074	4784	2997
								1%	1%	2%	1%	4%	2%
							grade 5 events	3248	3864	10824	3873	11212	5530
								3%	4%	7%	4%	10%	4%
							grade 6 events	1794	1801	34629	2193	26257	8204
								1%	1%	25%	2%	23%	6%
							grade 7 events	87845	78485	55424	80008	46672	84802
								86%	84%	40%	83%	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	271.217608	271.2042447287936	CCD I2 on	O1	Y
[deg] Pointing Dec	-30.076240	-30.05143126419964	CCD I3 on	O2	Y
[deg] Pointing Roll	84.147442	84.29737123016049	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)	326334264.184000	326333243.57764	CCD S5 on	N	N
Observation start date	2008-05-05T00:23:19	2008-05-05T00:07:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	326346564.184000	326346796.6408	On-chip summing requested	N	N
Observation end date	2008-05-05T03:48:19	2008-05-05T03:53:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



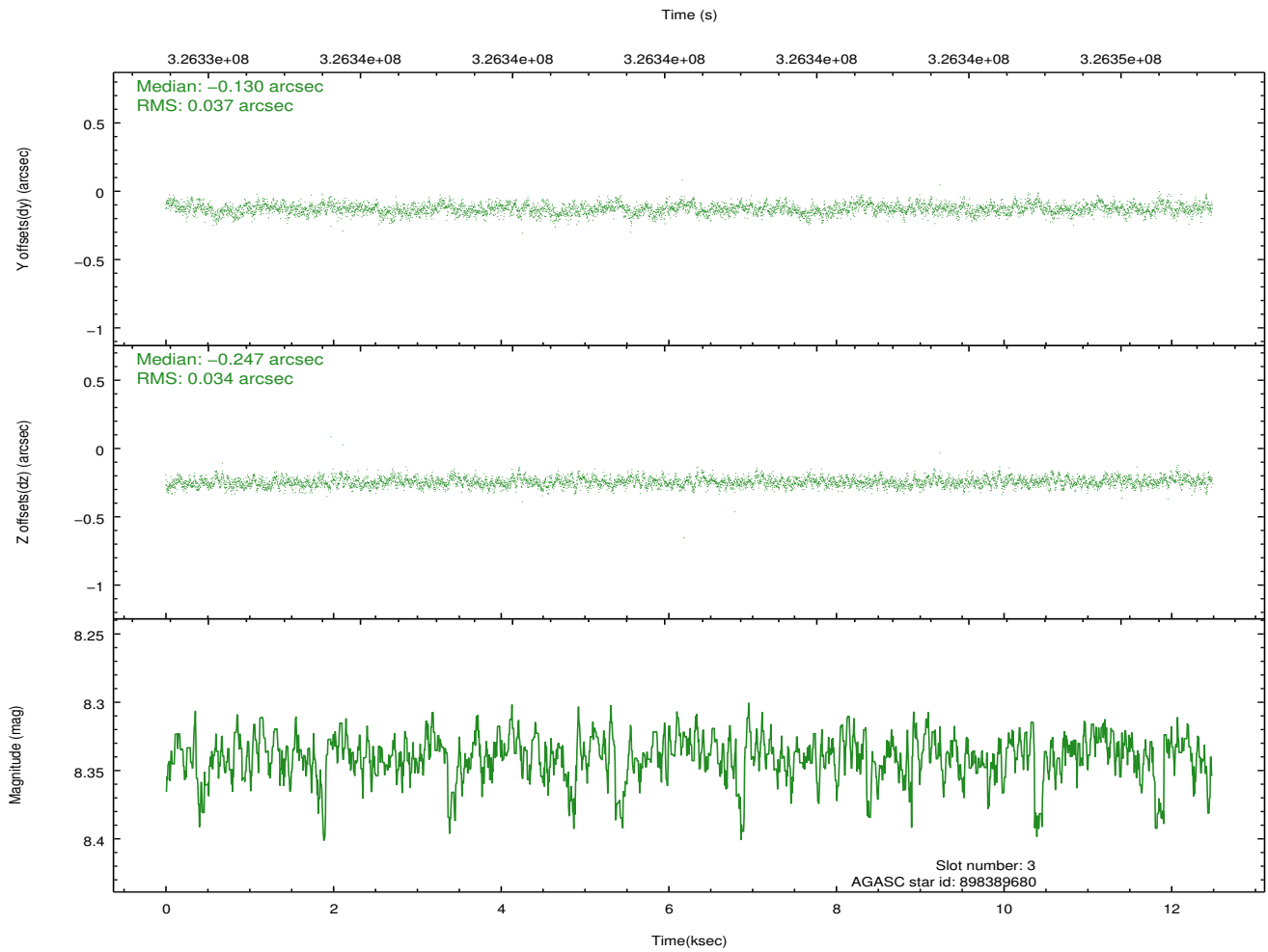
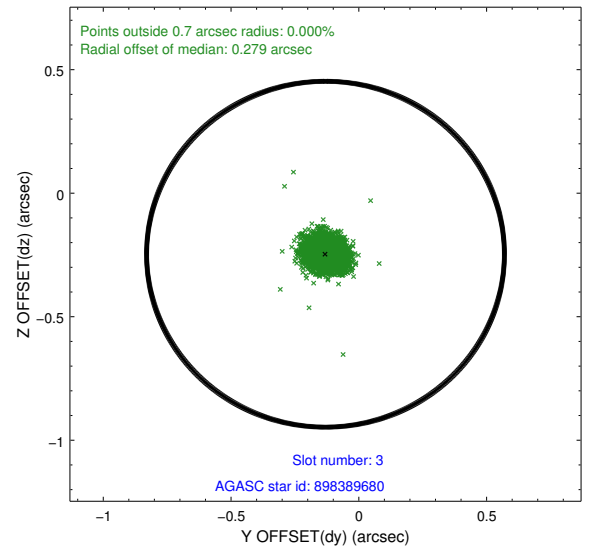
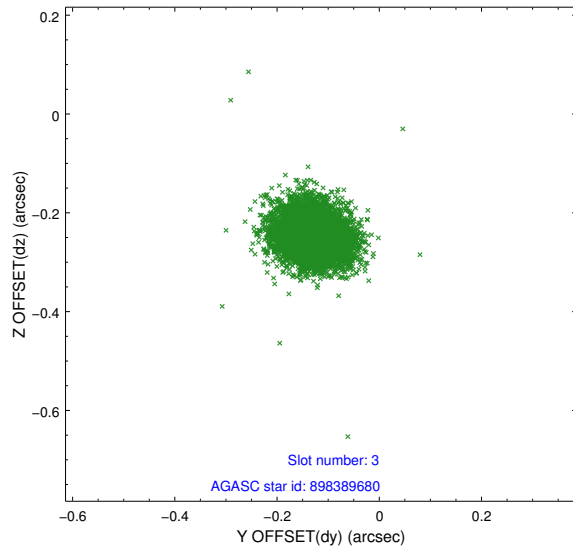


Slot Statistics

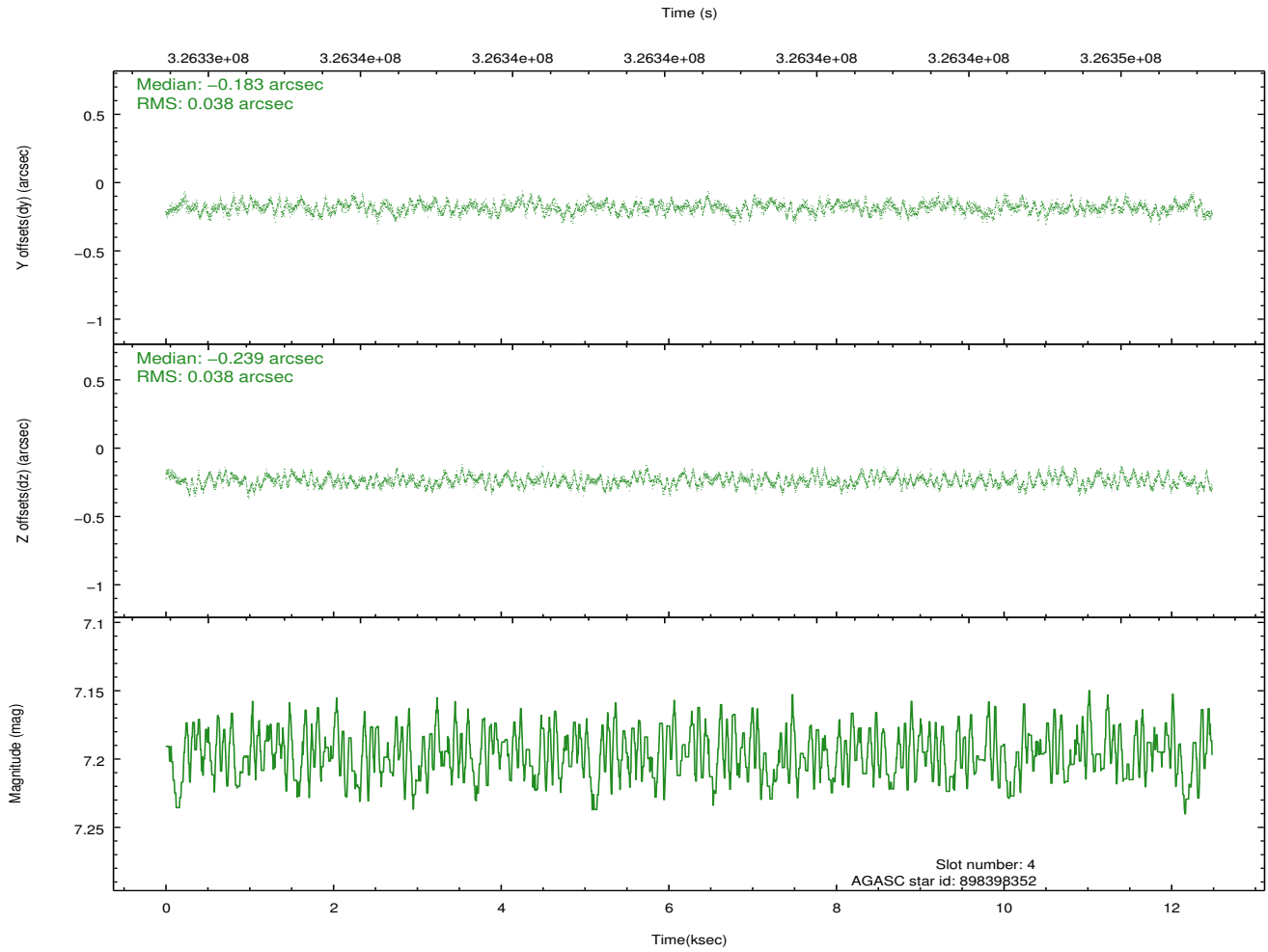
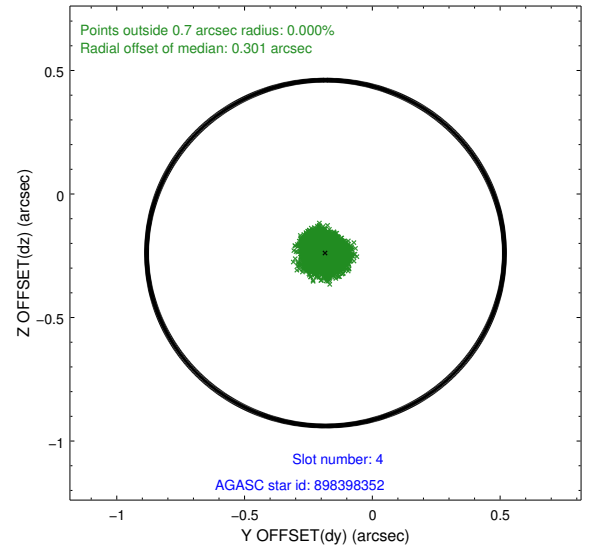
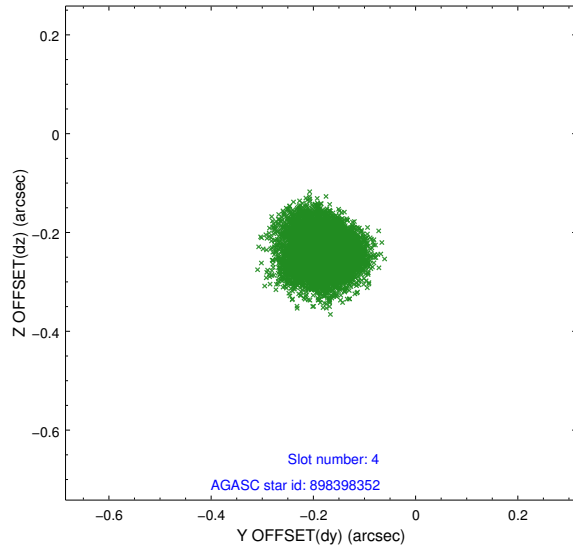
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	3046	-0.059	-0.007	0.009	0.015	0.000000	0.000000	-767.16	-1736.03
1	FID	ACIS-S-4	6.94	3046	0.136	0.030	0.007	0.013	0.000000	0.000000	2146.11	172.12
2	FID	ACIS-S-5	6.97	3046	-0.108	-0.014	0.007	0.011	0.000000	0.000000	-1819.57	166.14
3	GUIDE	898389680	8.34	6075	-0.130	-0.247	0.052	0.086	270.681115	-29.536368	1757.95	1869.47
4	GUIDE	898398352	7.20	6092	-0.183	-0.239	0.059	0.090	270.901317	-29.861589	666.69	1061.24
5	GUIDE	968768856	8.43	6088	0.095	0.174	0.067	0.110	271.716756	-30.731721	-2193.08	-1777.23
6	GUIDE	898384672	7.69	6092	-0.073	0.187	0.080	0.122	271.859422	-29.475824	2349.46	-1781.07
7	GUIDE	968772168	8.19	6090	0.292	0.120	0.064	0.099	271.478335	-30.660475	-2010.51	-1018.46

2.4 Star Slots

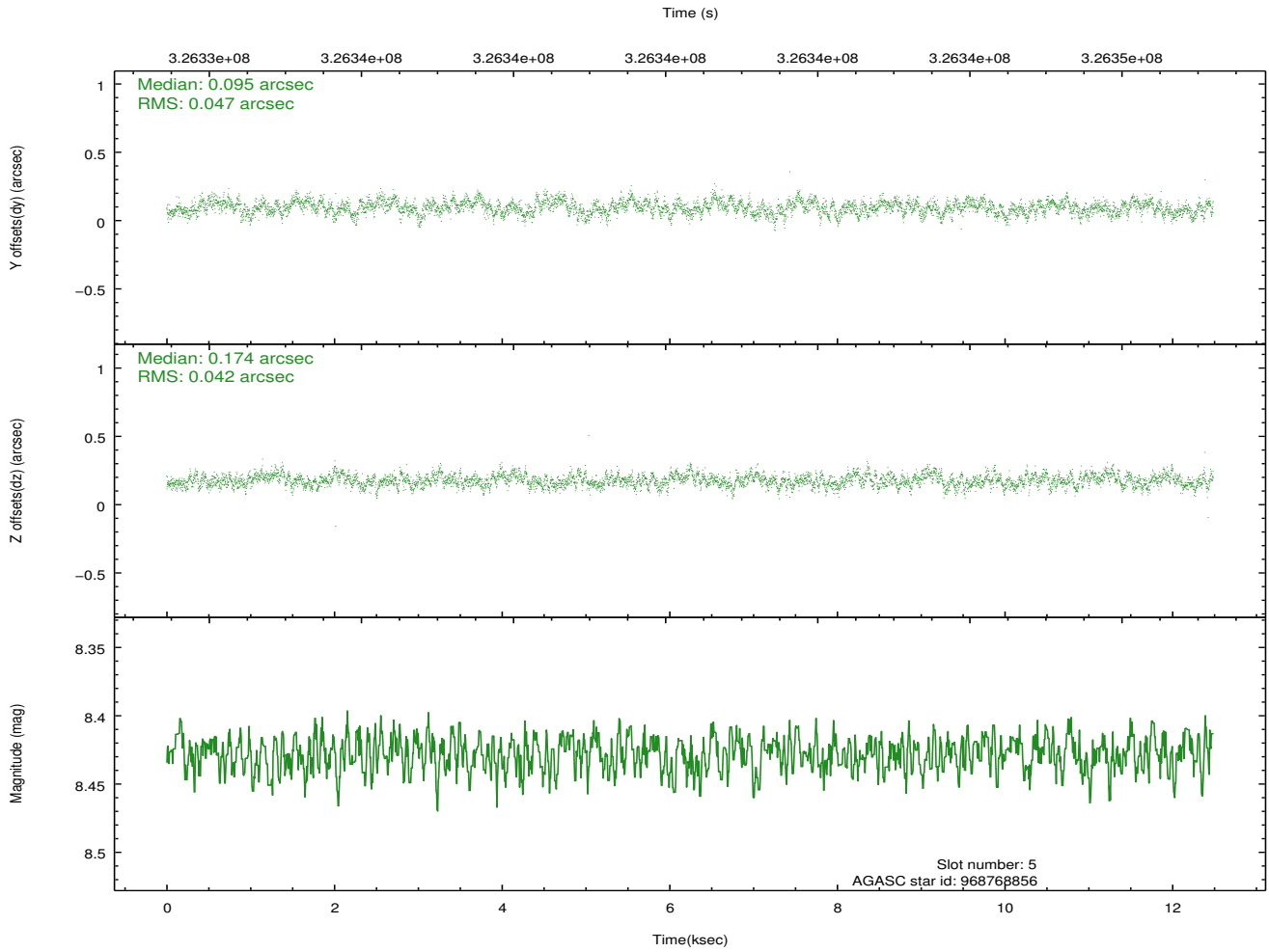
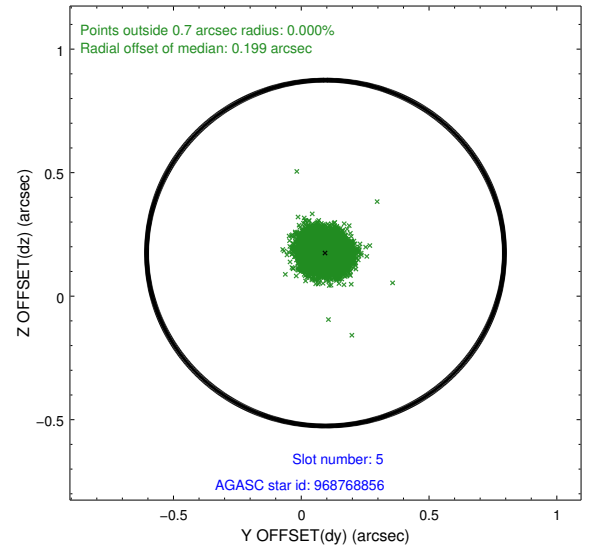
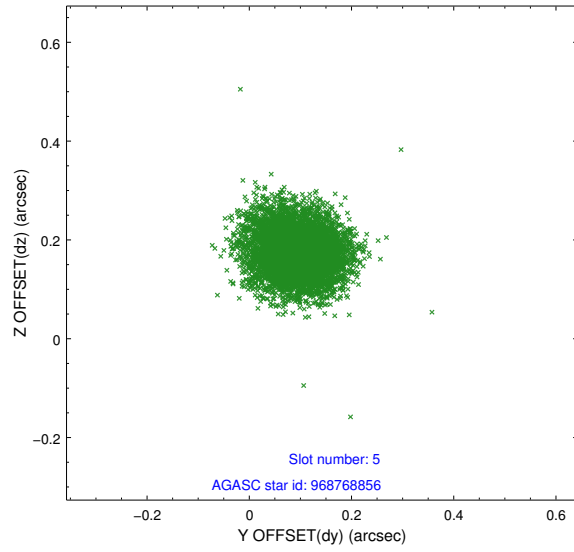
2.4.1 Slot 3



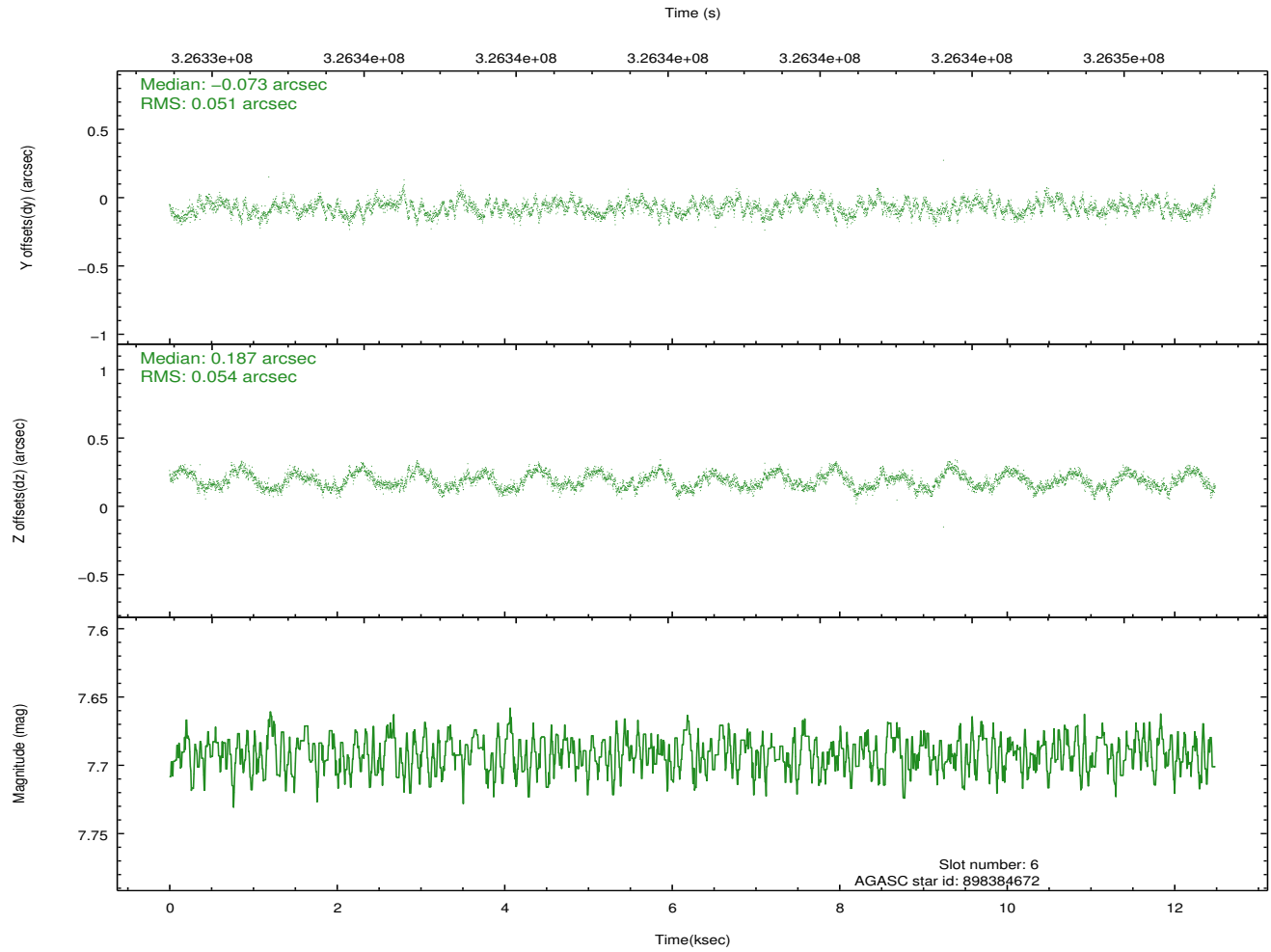
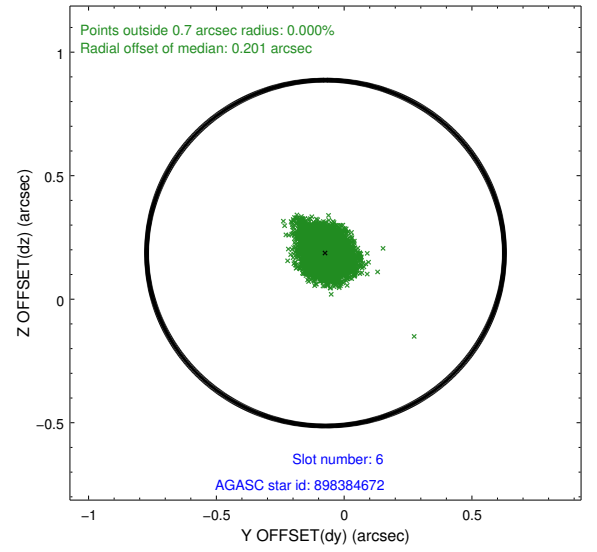
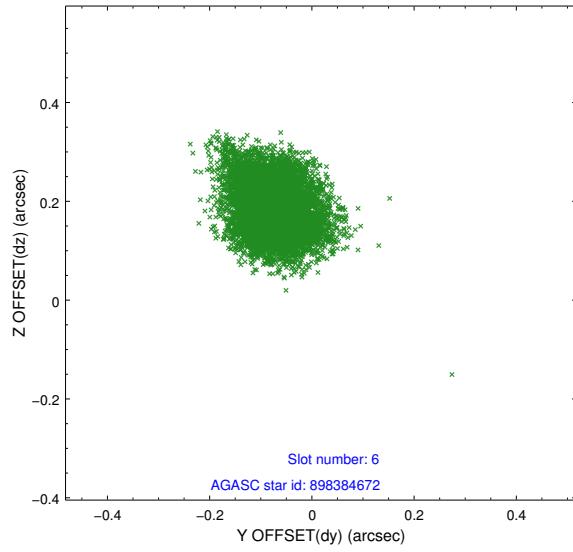
2.4.2 Slot 4



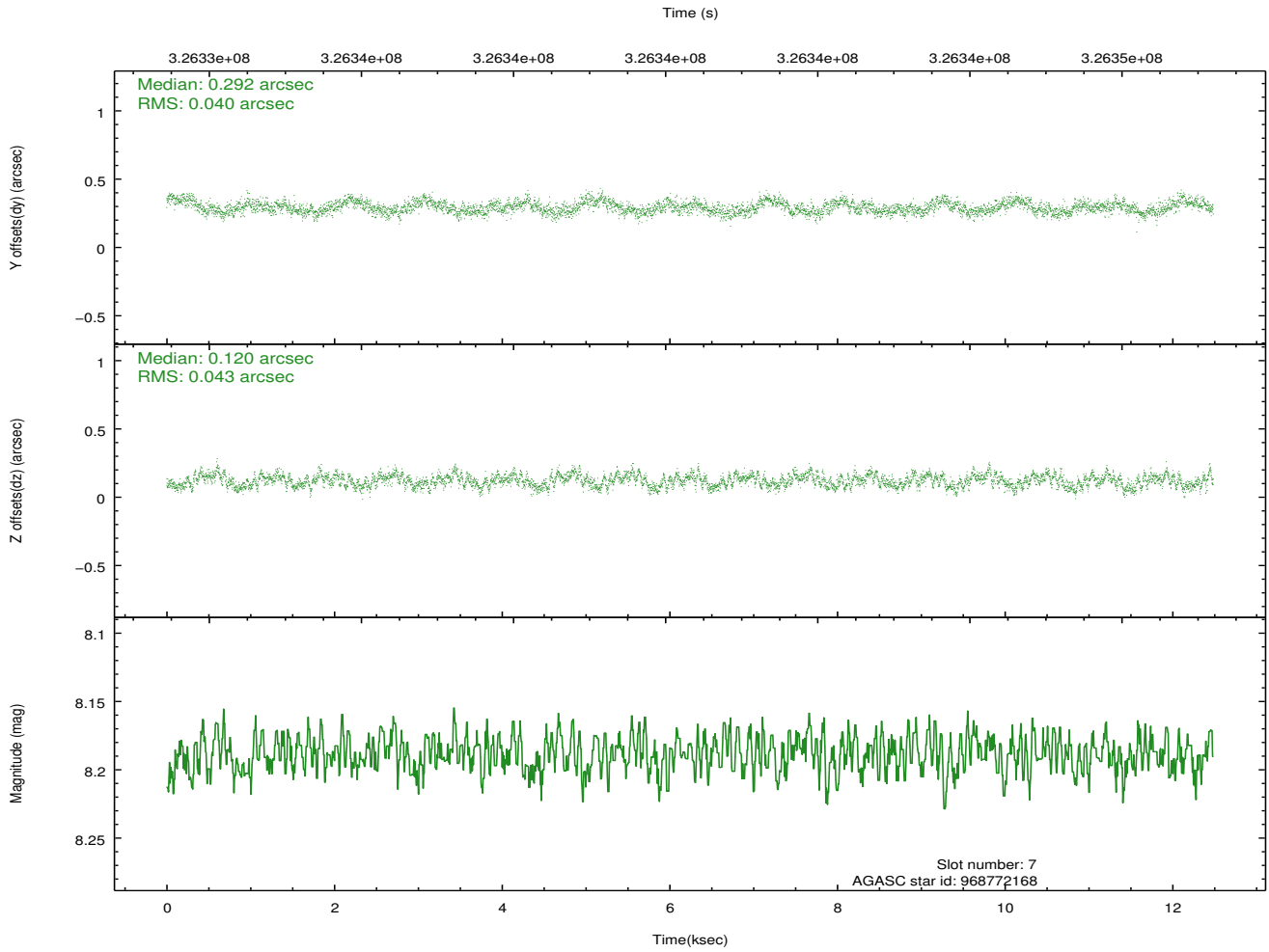
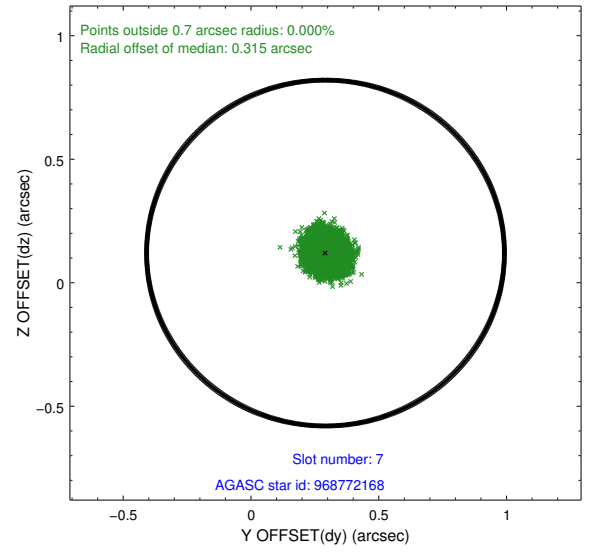
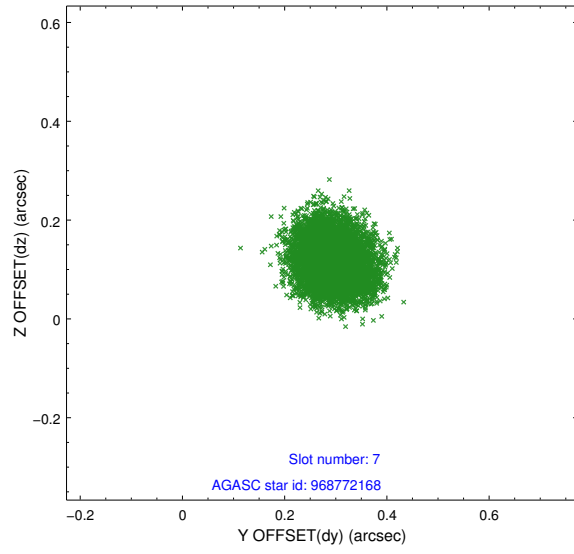
2.4.3 Slot 5



2.4.4 Slot 6

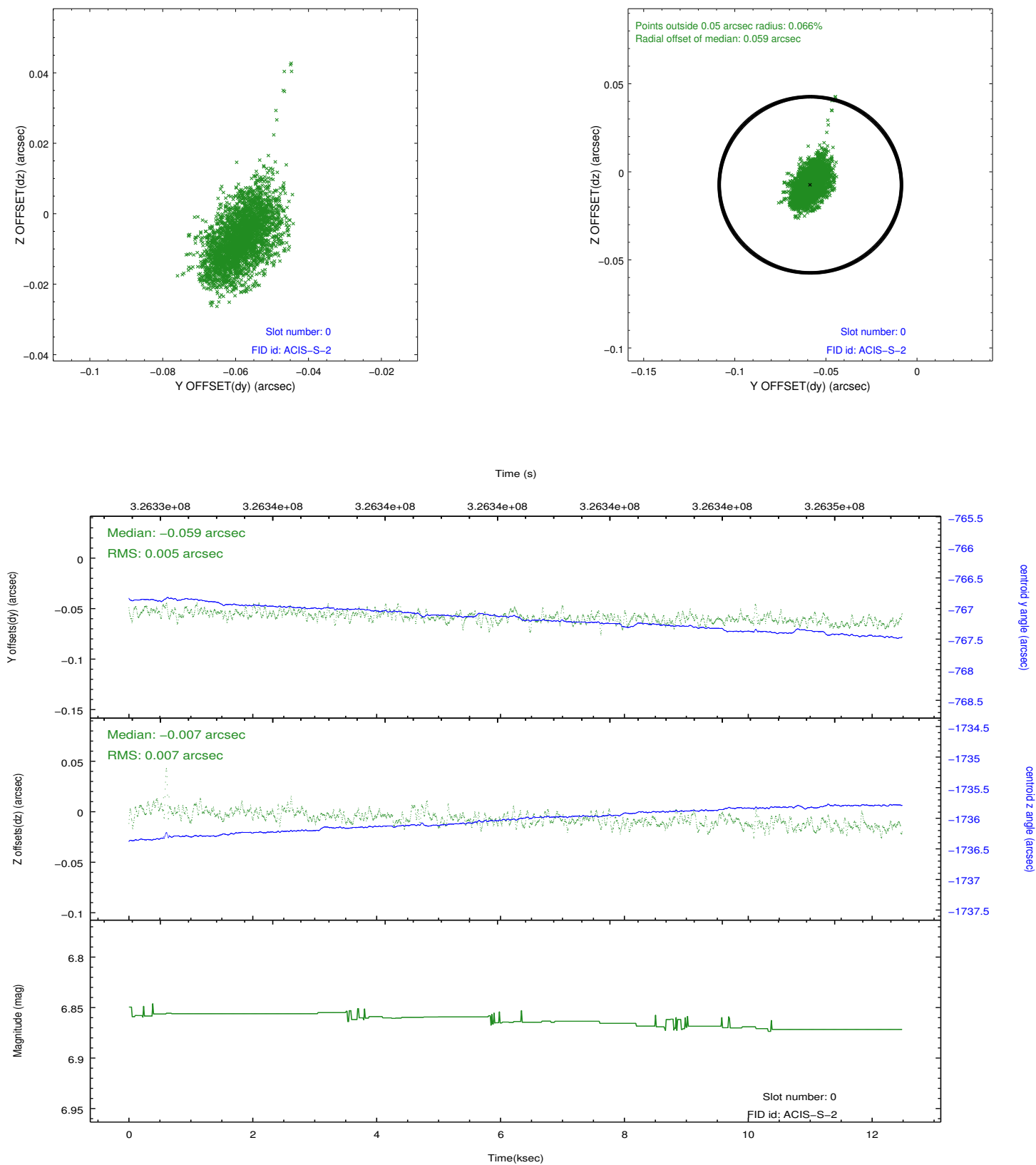


2.4.5 Slot 7

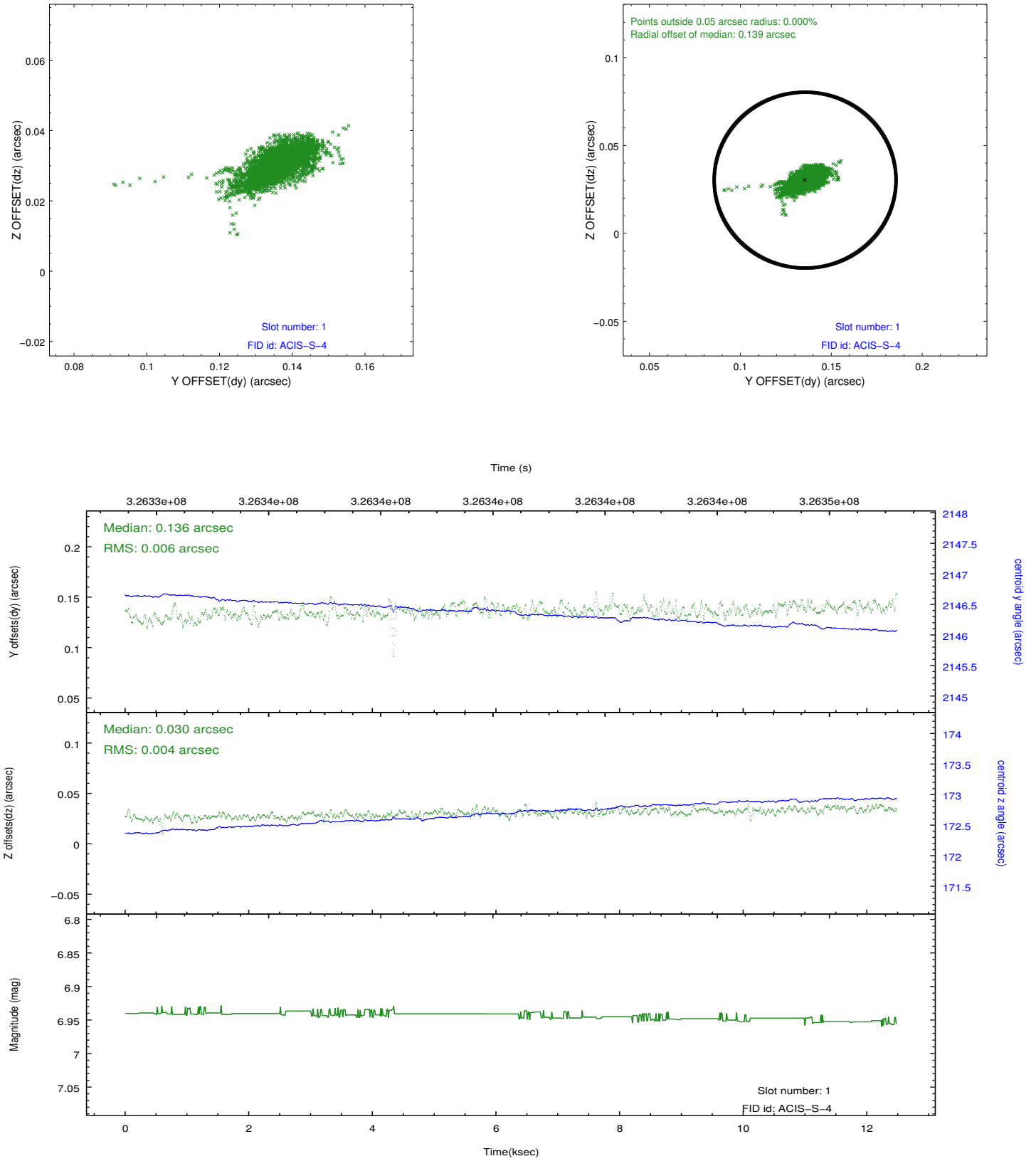


2.5 FID Slots

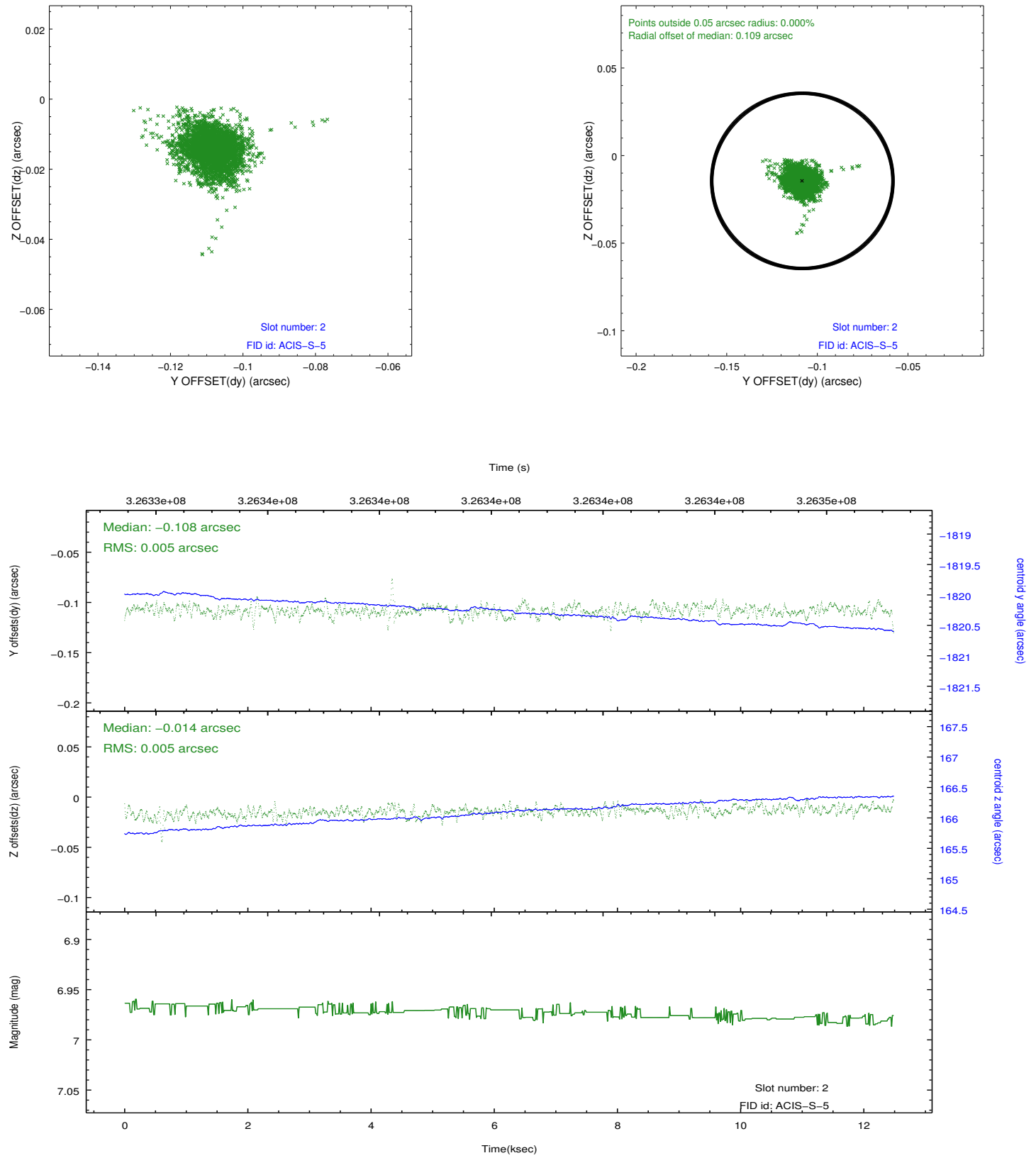
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.3711999

A.2 Comments