

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8947 - L2 Version 2
Chandra X-Ray Center

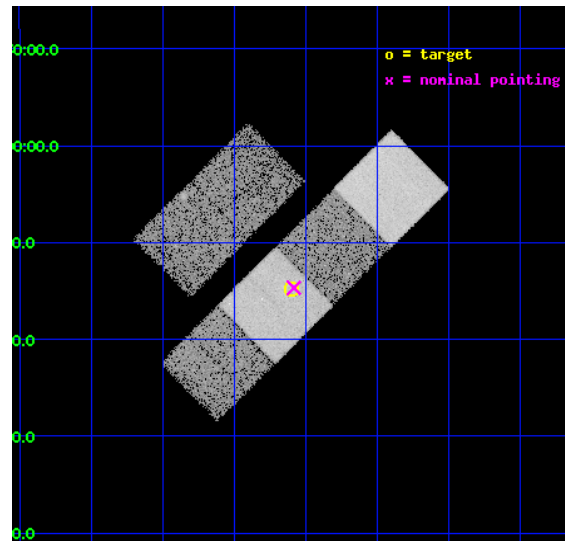
L2 Processing Date : May 15 2012

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

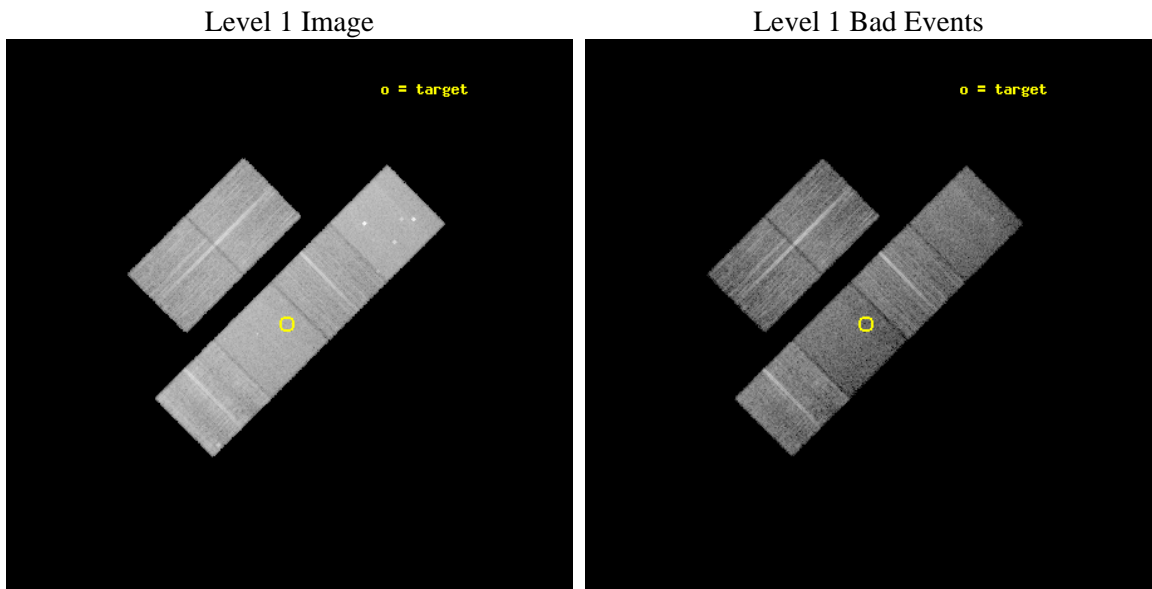
seq_num	300203	Sequence number
obs_id	8947	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6402	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.400417	Observer's specified target RA [deg]
dec_targ	-3.245833	Observer's specified target Dec [deg]
ra_nom	264.39565456002	Nominal RA [deg]
dec_nom	-3.2446958528475	Nominal Dec [deg]
roll_nom	135.15636332735	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12241.888971448	Sum of GTIs [s]
livetime	12086.874802111	Livetime [s]
ontime2	12238.688981235	Sum of GTIs [s]
ontime3	12241.765851438	Sum of GTIs [s]
ontime5	12241.847931445	Sum of GTIs [s]
ontime6	12241.806891441	Sum of GTIs [s]
ontime7	12241.888971448	Sum of GTIs [s]
ontime8	12241.724811435	Sum of GTIs [s]
l2events	144712	Number of level 2 events



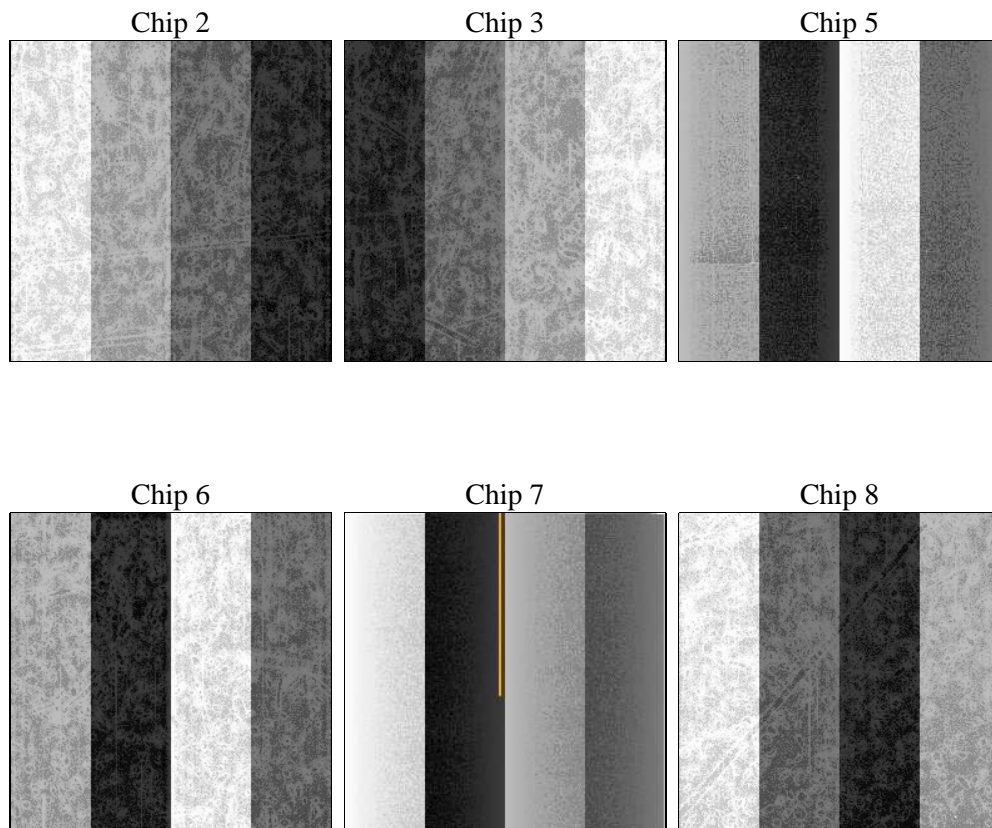
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	12241.888971448	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	12238.688981235	Sum of GTIs [s]
date	2012-05-15T15:29:14	Date and time of file creation	ontime3	12241.765851438	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	12241.847931445	Sum of GTIs [s]
			ontime6	12241.806891441	Sum of GTIs [s]
			ontime7	12241.888971448	Sum of GTIs [s]
			ontime8	12241.724811435	Sum of GTIs [s]
			l1events	649847	Number of level 1 events

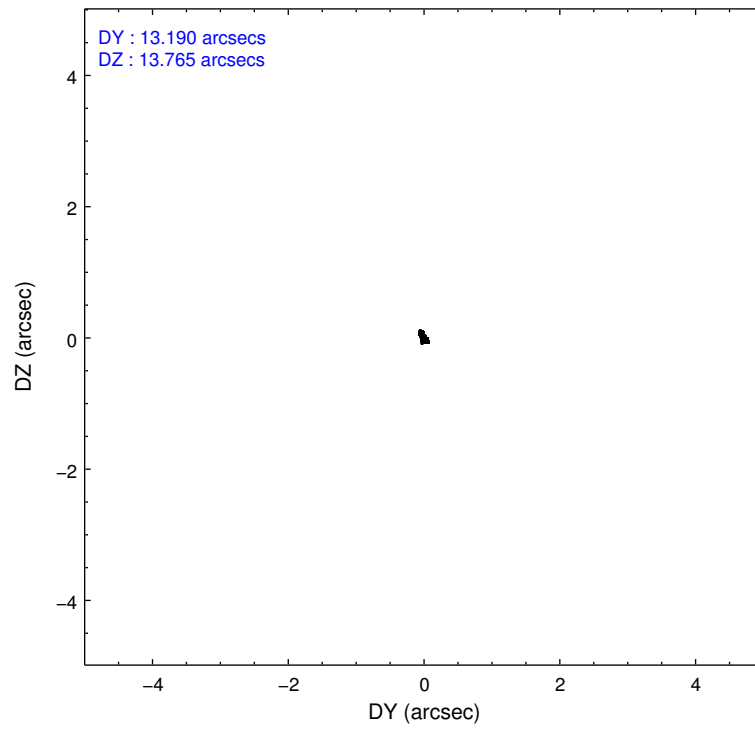
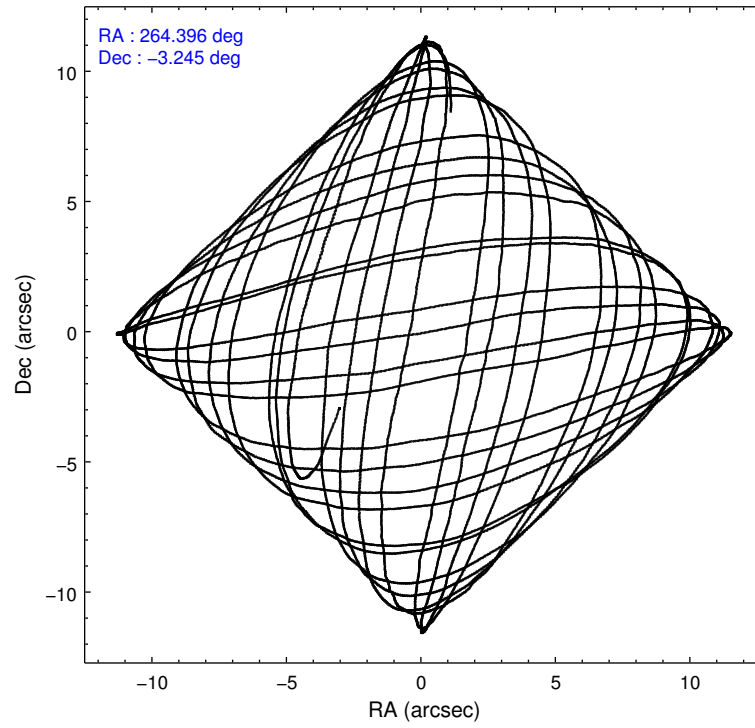
2.1.4 Events

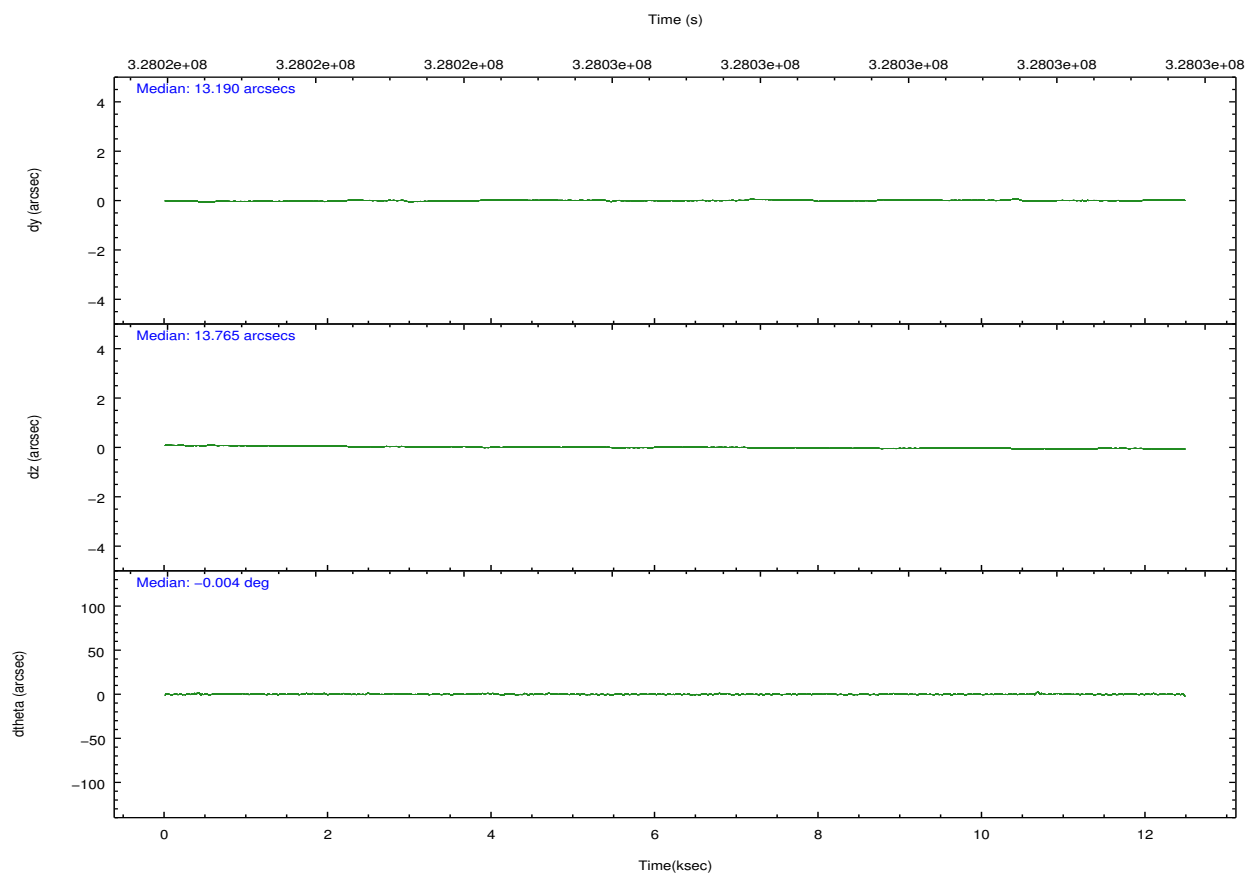
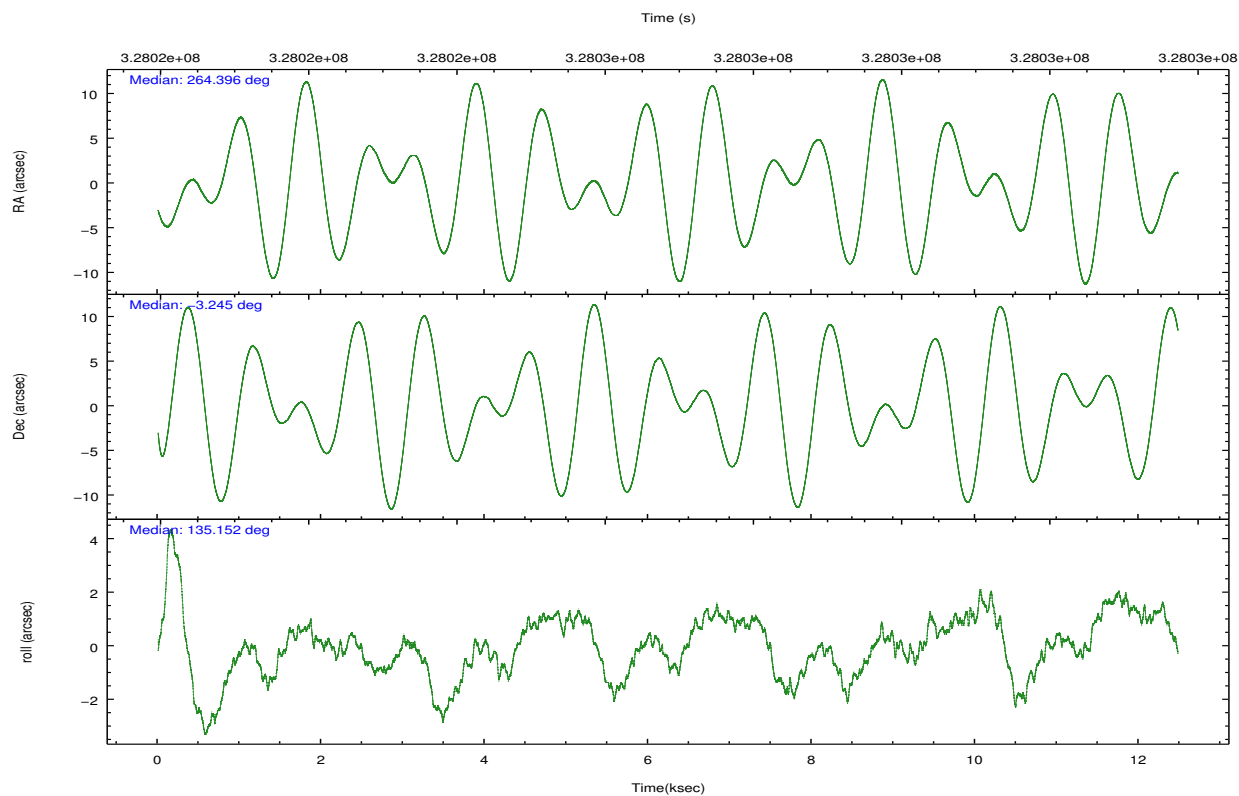
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	99919	91145	135718	93923	107886	121256	grade 0 events	3412	3269	9380	3737	4733	8379
rejected events	90496	82131	66336	83733	58204	91968		3%	3%	6%	3%	4%	6%
rejected %	90%	90%	48%	89%	53%	75%	grade 1 events	50	60	375	47	147	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	2292	1966	19885	2126	10041	6972
								2%	2%	14%	2%	9%	5%
							grade 3 events	952	1001	2736	1091	4580	3116
								0%	1%	2%	1%	4%	2%
							grade 4 events	1015	993	2665	1054	4468	2922
								1%	1%	1%	1%	4%	2%
							grade 5 events	3249	3748	10236	3913	11333	5587
								3%	4%	7%	4%	10%	4%
							grade 6 events	1758	1790	34764	2189	25891	7929
								1%	1%	25%	2%	23%	6%
							grade 7 events	87191	78318	55677	79766	46693	86255
								87%	85%	41%	84%	43%	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	264.422260	264.395654560022	CCD I2 on	O1	Y
[deg] Pointing Dec	-3.251366	-3.244695852847499	CCD I3 on	O2	Y
[deg] Pointing Roll	135.001241	135.1563633273545	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)	328020898.184000	328019699.73485	CCD S5 on	N	N
Observation start date	2008-05-24T12:53:53	2008-05-24T12:34:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328033098.184000	328034394.64807	On-chip summing requested	N	N
Observation end date	2008-05-24T16:17:13	2008-05-24T16:39:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



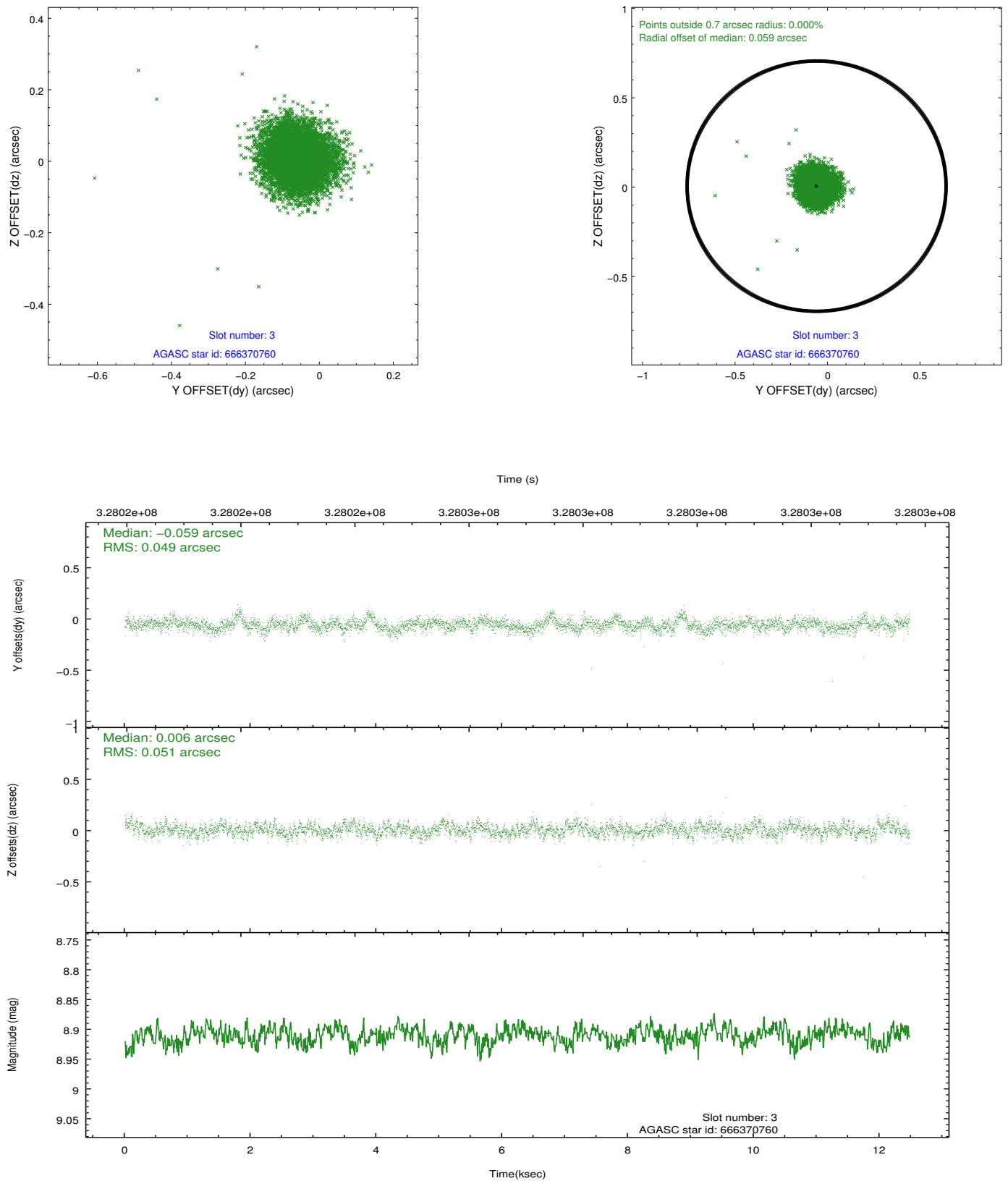


Slot Statistics

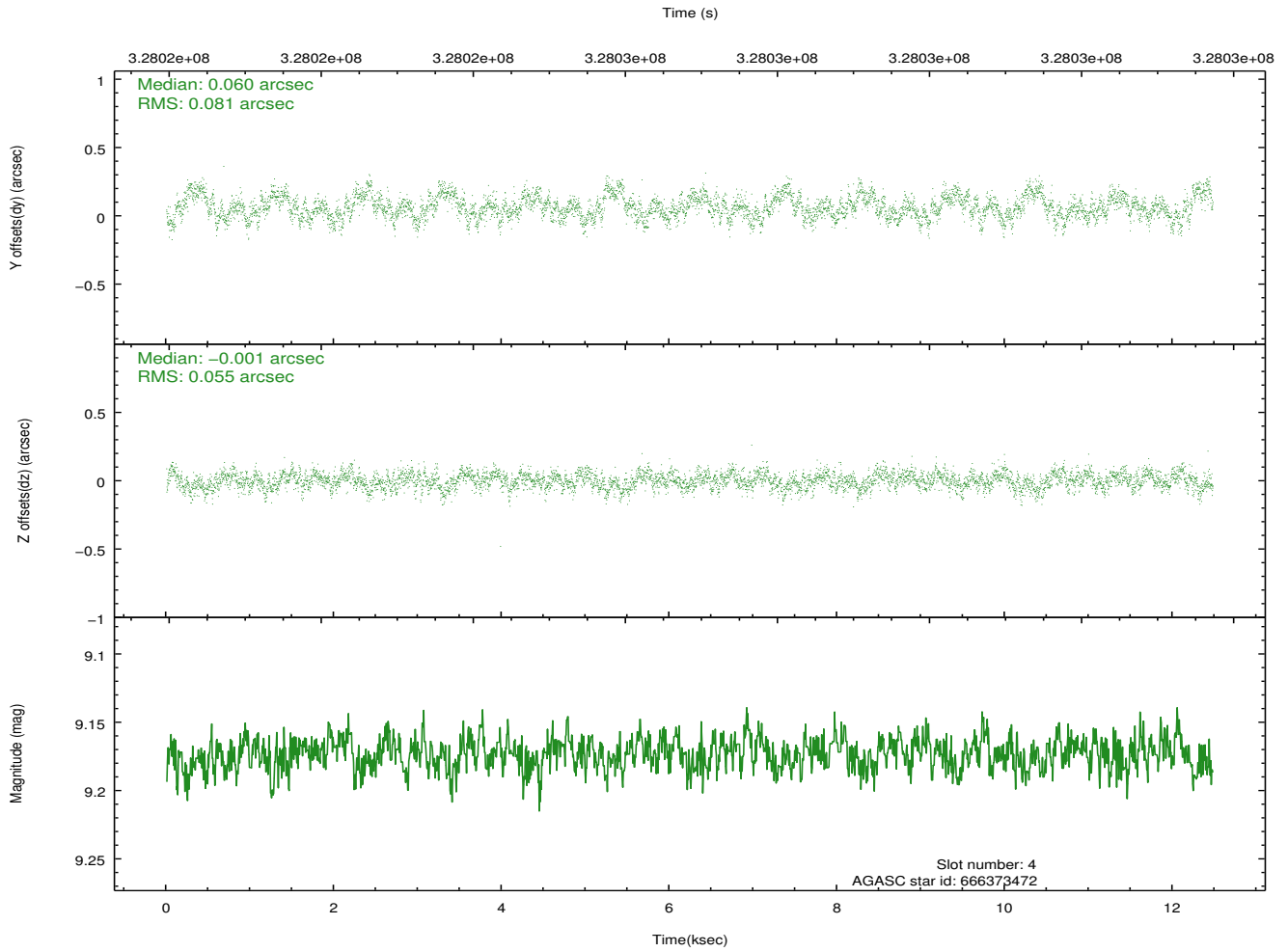
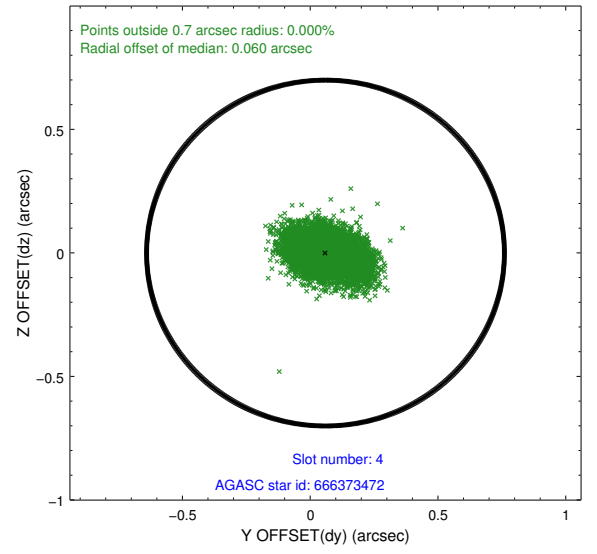
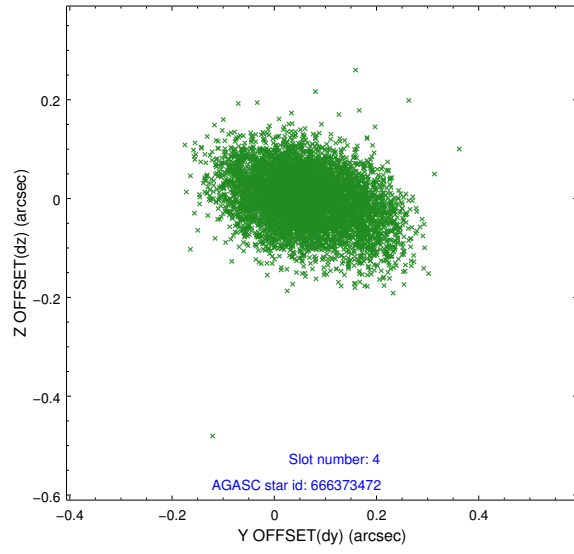
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	3043	-0.042	-0.055	0.007	0.011	0.000000	0.000000	-766.14	-1735.17
1	FID	ACIS-S-4	7.05	3043	0.175	0.035	0.006	0.011	0.000000	0.000000	2147.16	173.01
2	FID	ACIS-S-5	7.08	3043	-0.164	0.029	0.007	0.012	0.000000	0.000000	-1818.61	167.11
3	GUIDE	666370760	8.91	6082	-0.059	0.006	0.074	0.120	264.356381	-3.013894	771.98	-436.79
4	GUIDE	666373472	9.17	6084	0.060	-0.001	0.104	0.173	264.250198	-2.767538	1669.47	-793.91
5	GUIDE	666374088	7.54	6087	-0.030	-0.006	0.060	0.095	264.336296	-2.873788	1180.42	-743.13
6	GUIDE	666501712	9.26	6082	0.032	0.029	0.090	0.145	264.887841	-3.615653	-2110.05	-255.27
7	GUIDE	667028792	8.90	6083	-0.011	-0.027	0.075	0.121	264.448522	-3.762134	-1367.22	1233.53

2.4 Star Slots

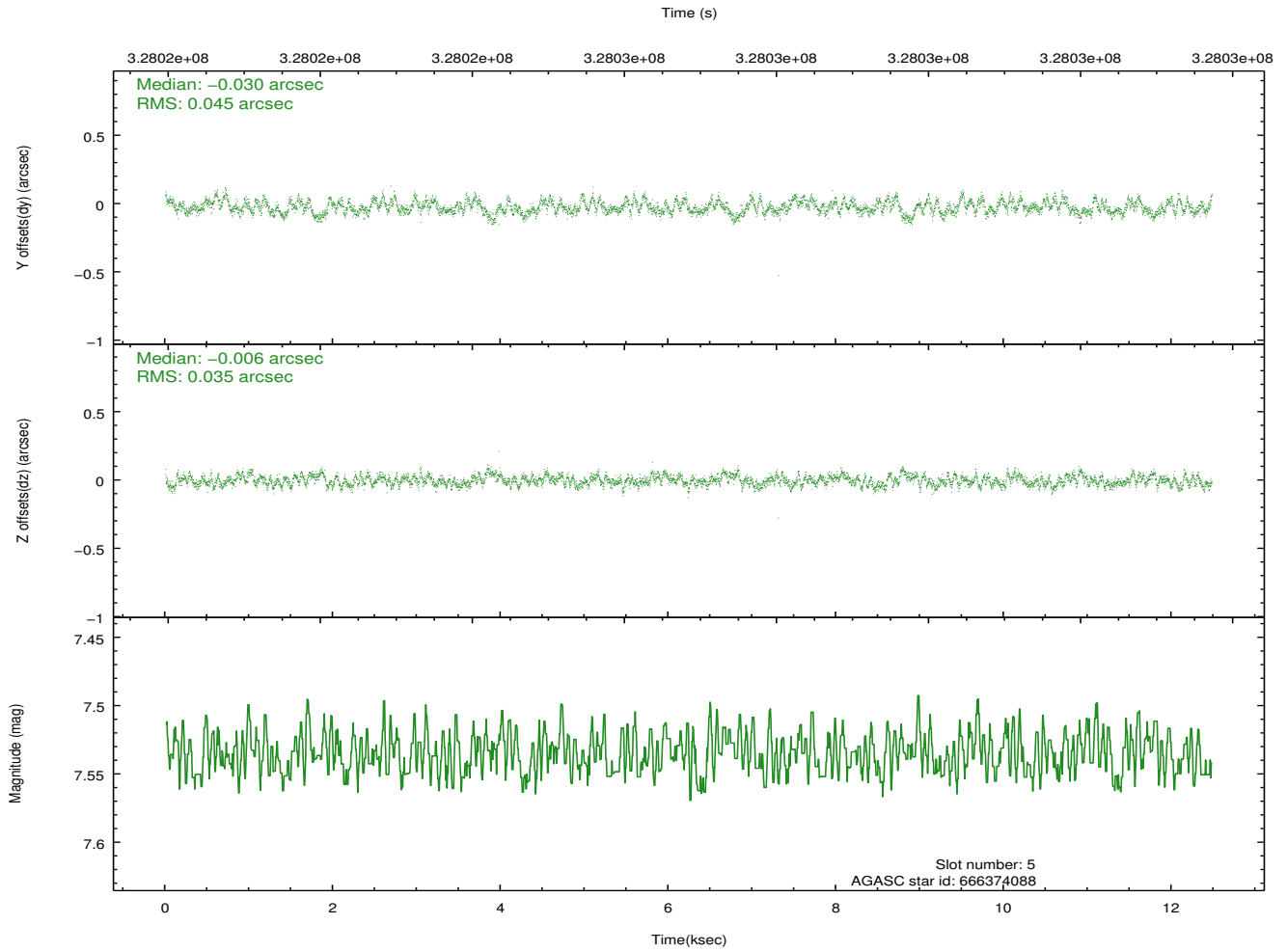
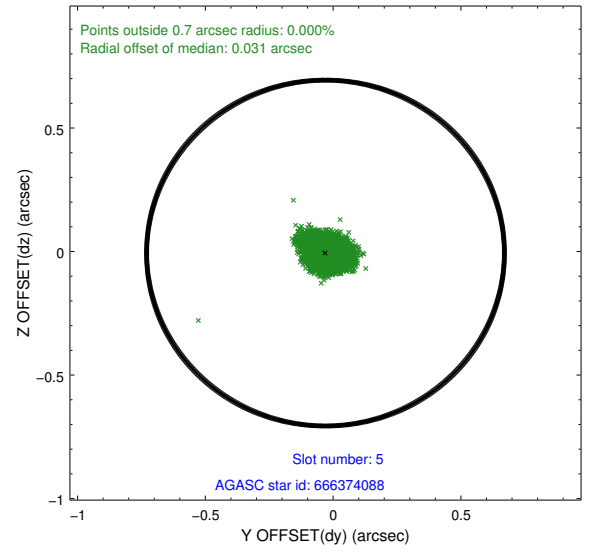
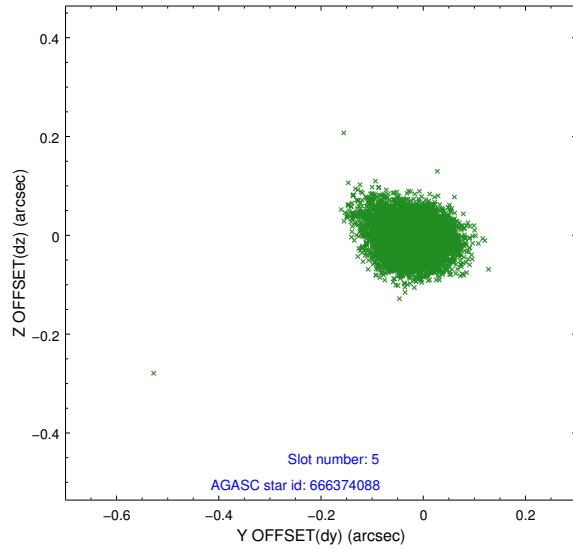
2.4.1 Slot 3



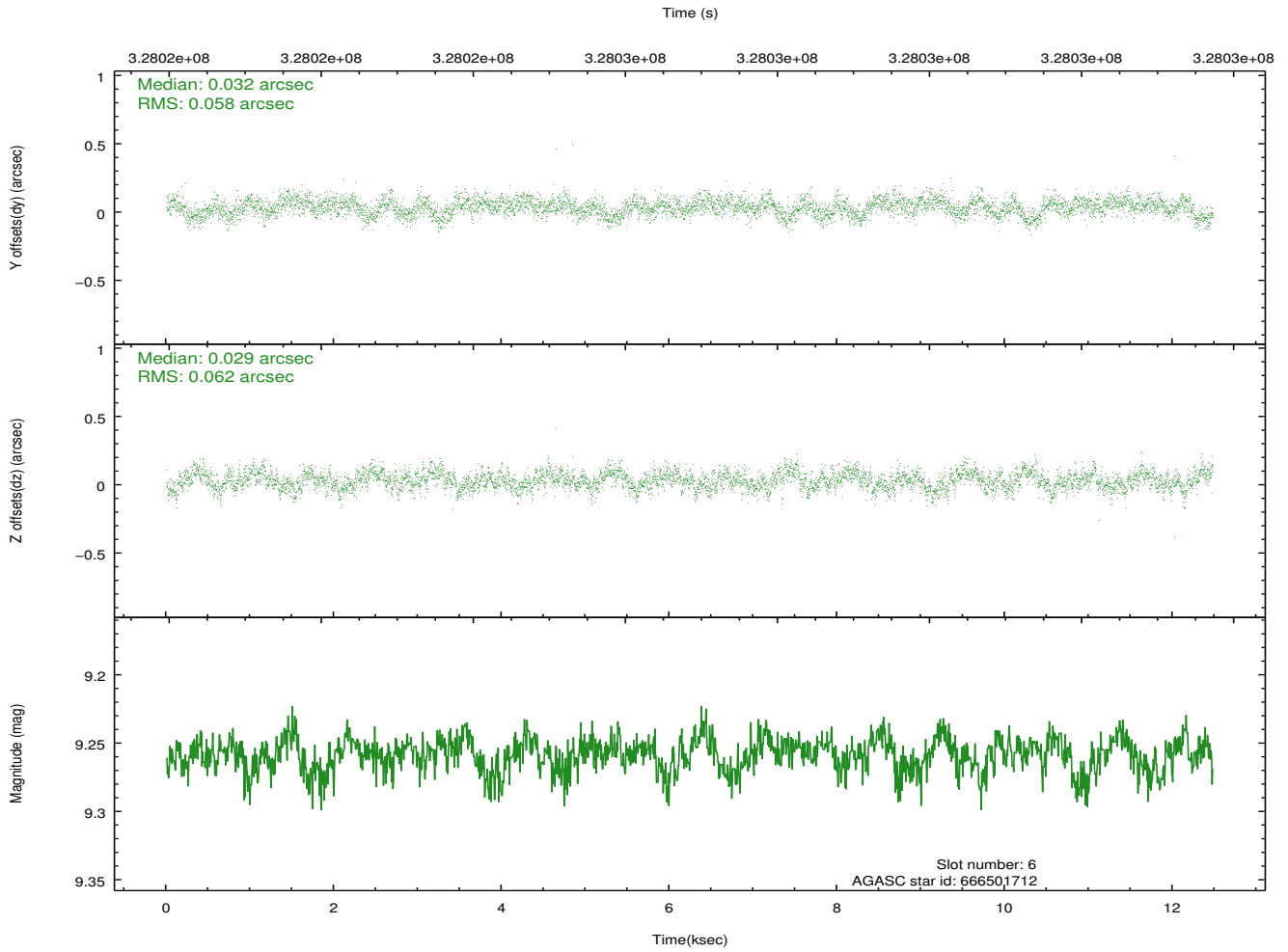
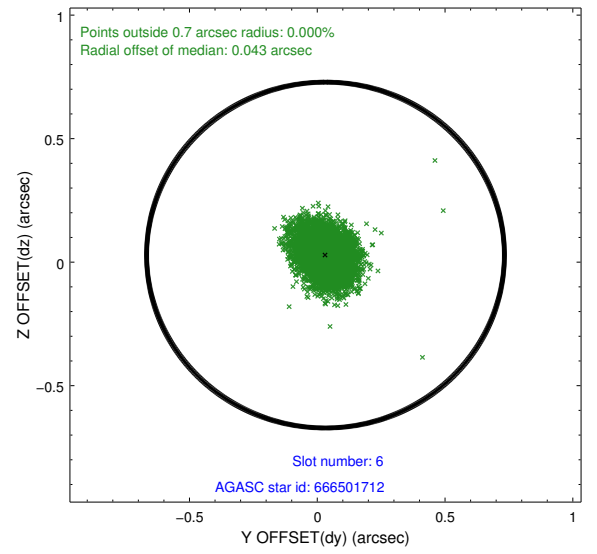
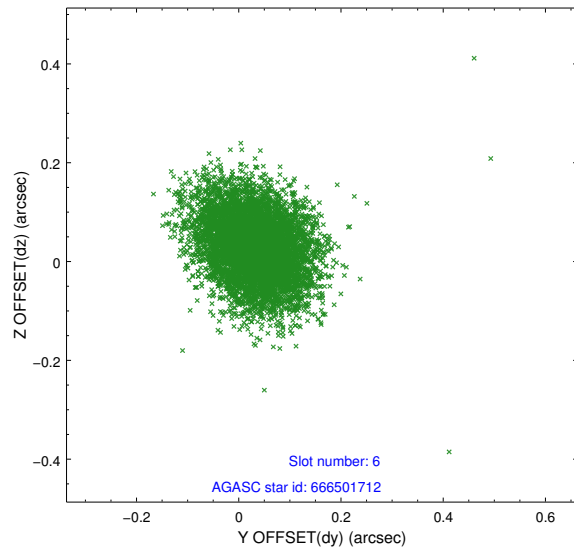
2.4.2 Slot 4



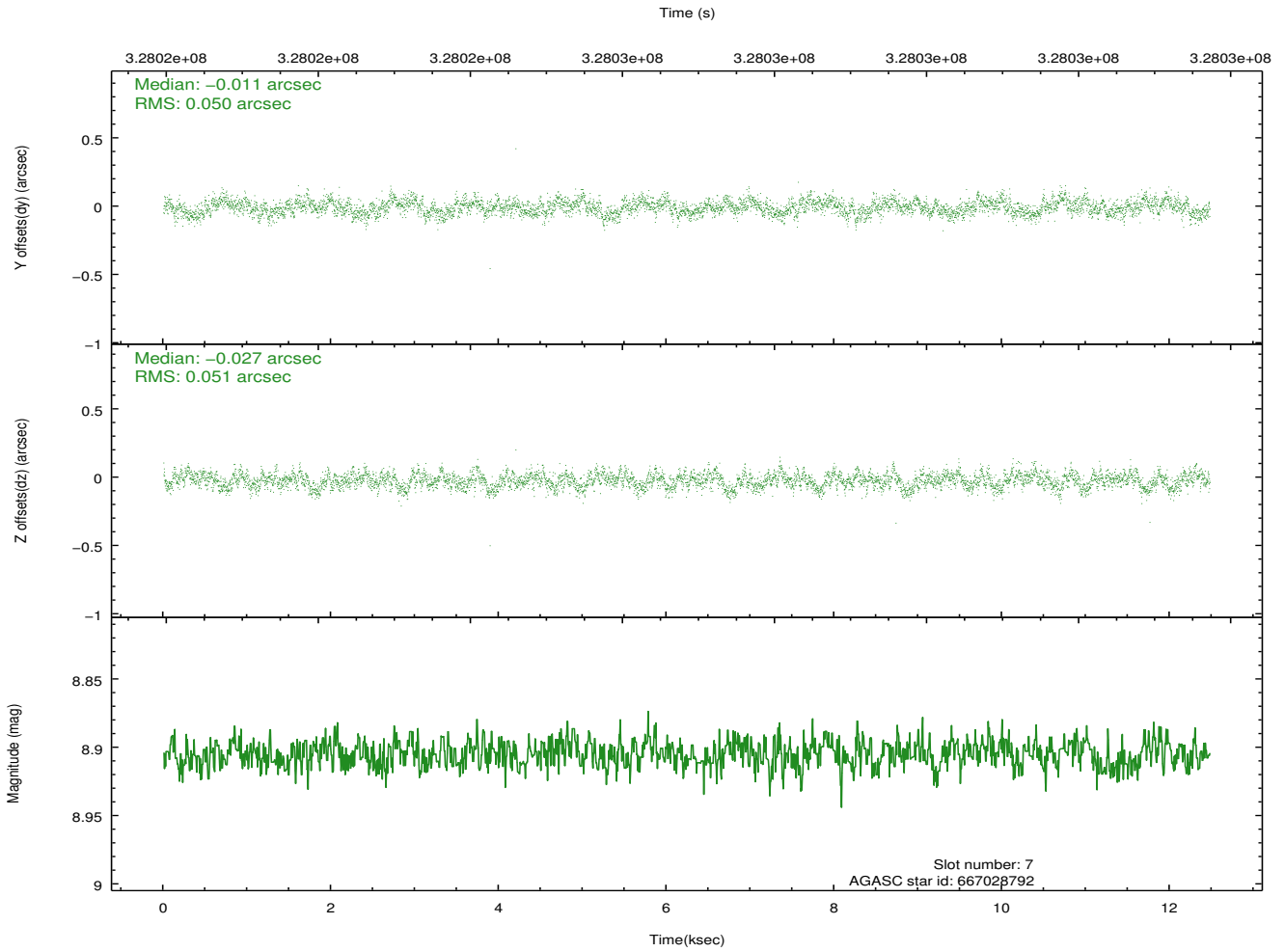
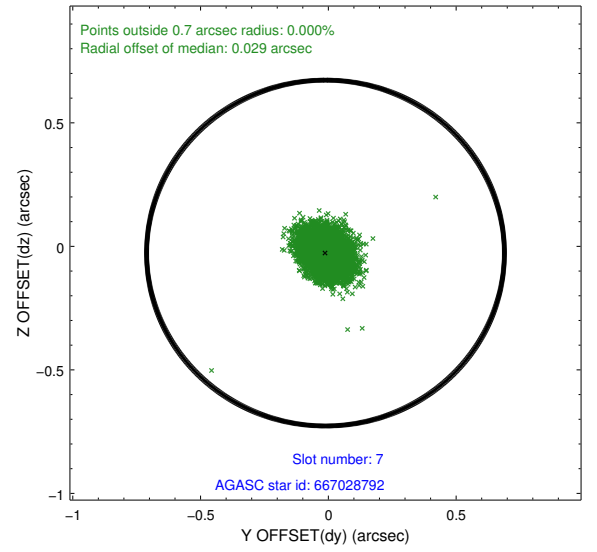
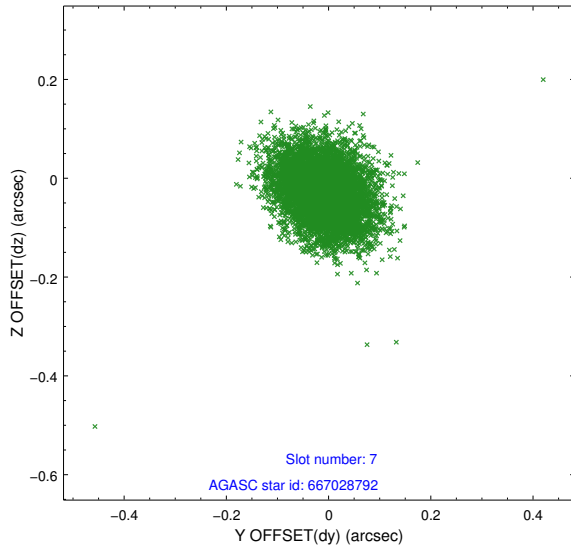
2.4.3 Slot 5



2.4.4 Slot 6

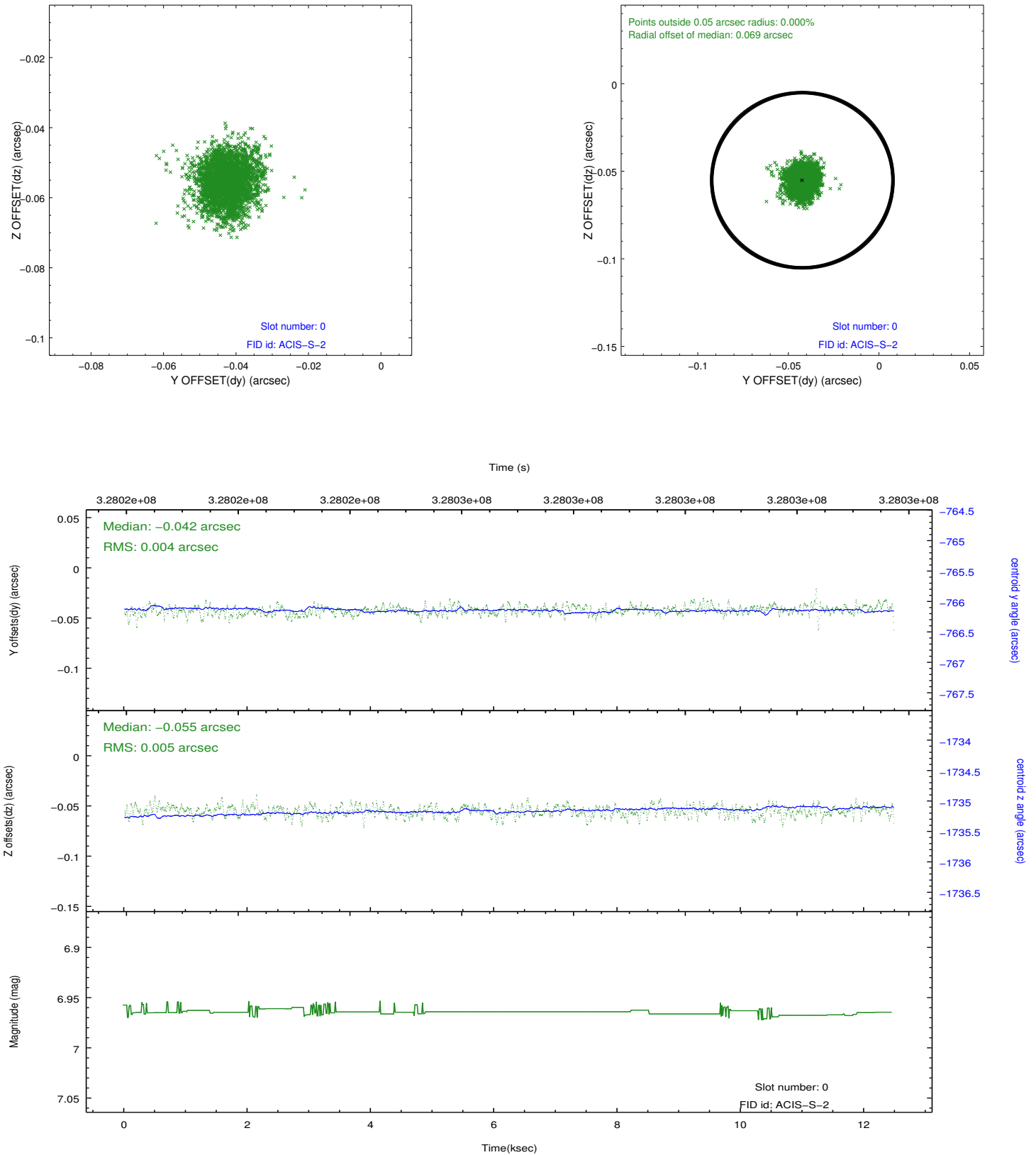


2.4.5 Slot 7

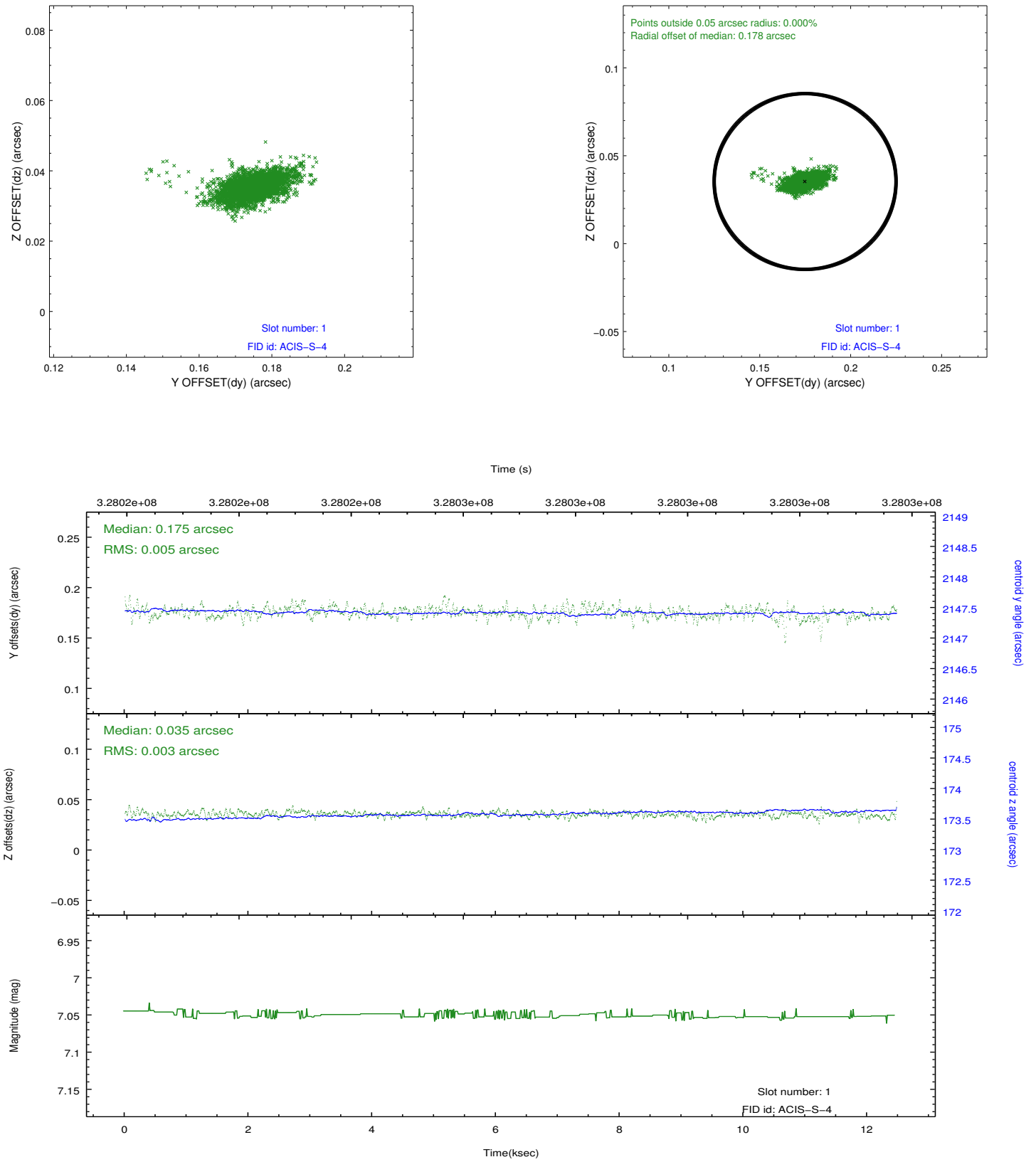


2.5 FID Slots

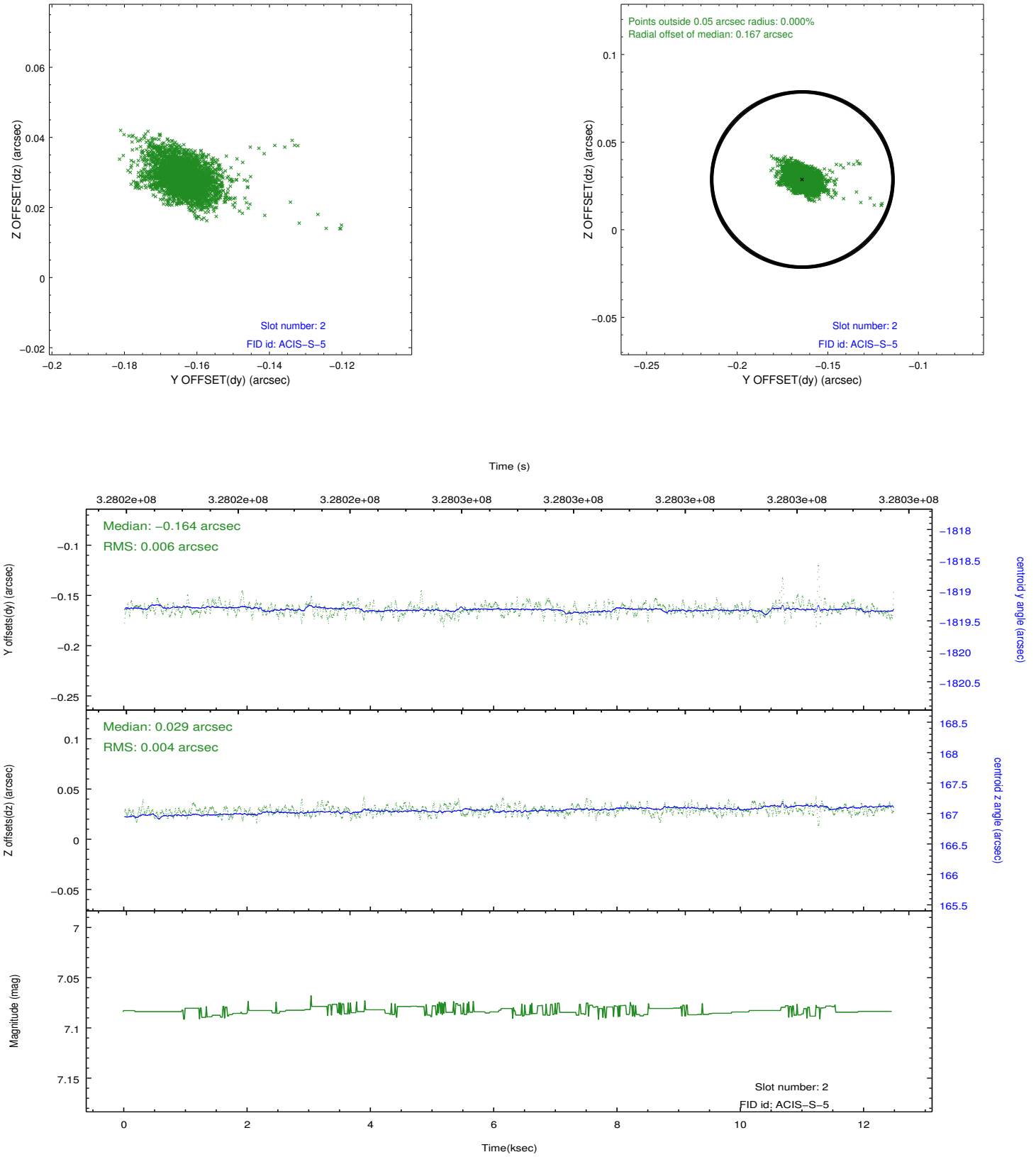
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.2431999

A.2 Comments