

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6887 - L2 Version 2
Chandra X-Ray Center

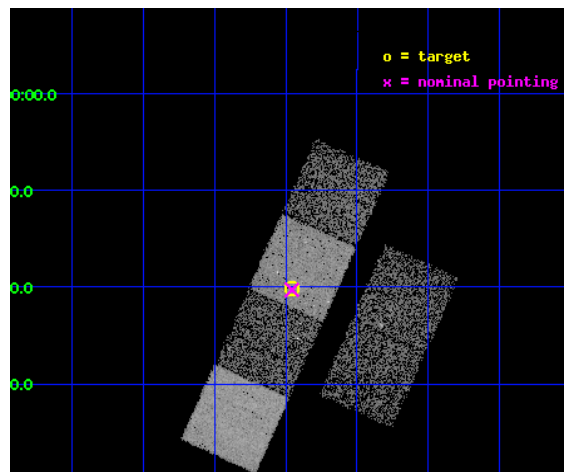
L2 Processing Date : Mar 20 2012

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

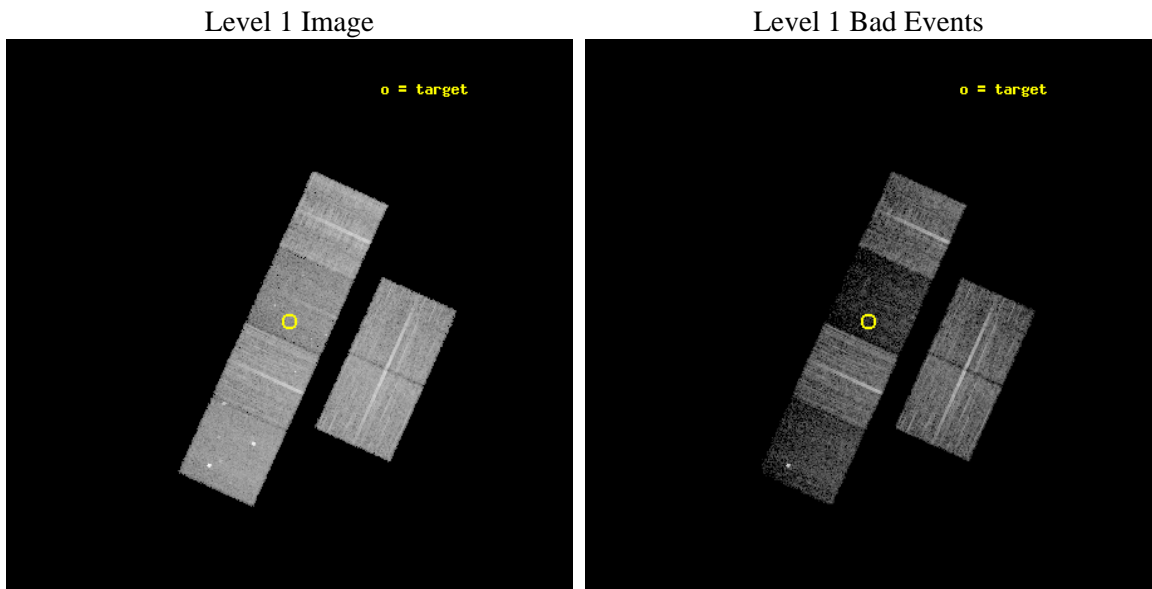
seq_num	701304	Sequence number
obs_id	6887	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J210757.67-062010.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	316.990417	Observer's specified target RA [deg]
dec_targ	-6.336306	Observer's specified target Dec [deg]
ra_nom	316.98939112527	Nominal RA [deg]
dec_nom	-6.3380781711175	Nominal Dec [deg]
roll_nom	294.32339212511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9676.7999639511	Sum of GTIs [s]
livetime	9554.2664961382	Livetime [s]
ontime2	9676.7999639511	Sum of GTIs [s]
ontime3	9676.7999639511	Sum of GTIs [s]
ontime5	9676.7999639511	Sum of GTIs [s]
ontime6	9676.7999639511	Sum of GTIs [s]
ontime7	9676.7999639511	Sum of GTIs [s]
ontime8	9676.7999639511	Sum of GTIs [s]
l2events	59369	Number of level 2 events



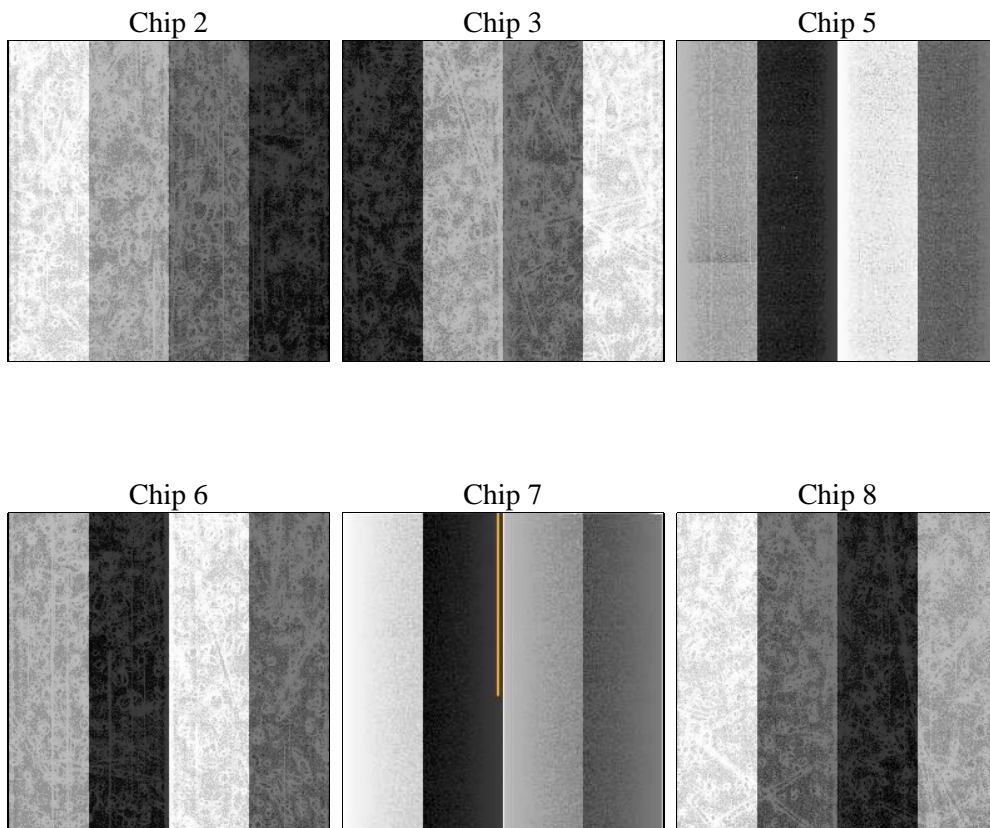
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	9676.7999639511	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	9676.7999639511	Sum of GTIs [s]
date	2012-03-20T02:37:42	Date and time of file creation	ontime3	9676.7999639511	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	9676.7999639511	Sum of GTIs [s]
			ontime6	9676.7999639511	Sum of GTIs [s]
			ontime7	9676.7999639511	Sum of GTIs [s]
			ontime8	9676.7999639511	Sum of GTIs [s]
			l1events	318776	Number of level 1 events

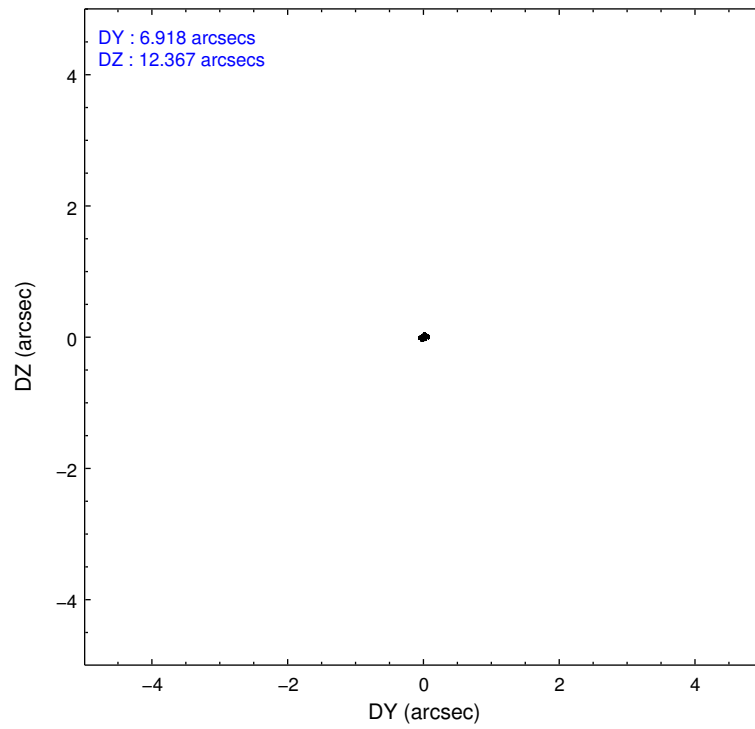
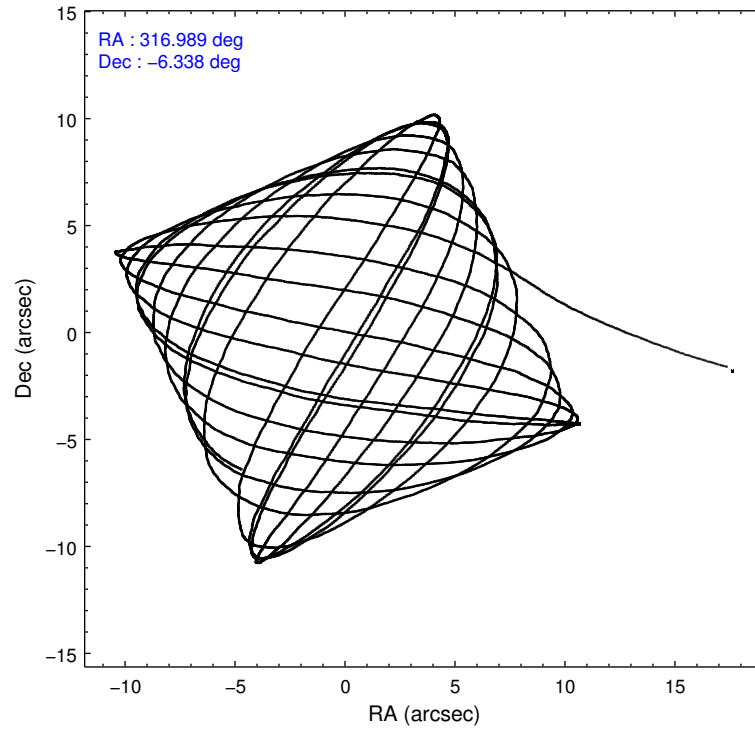
2.1.4 Events

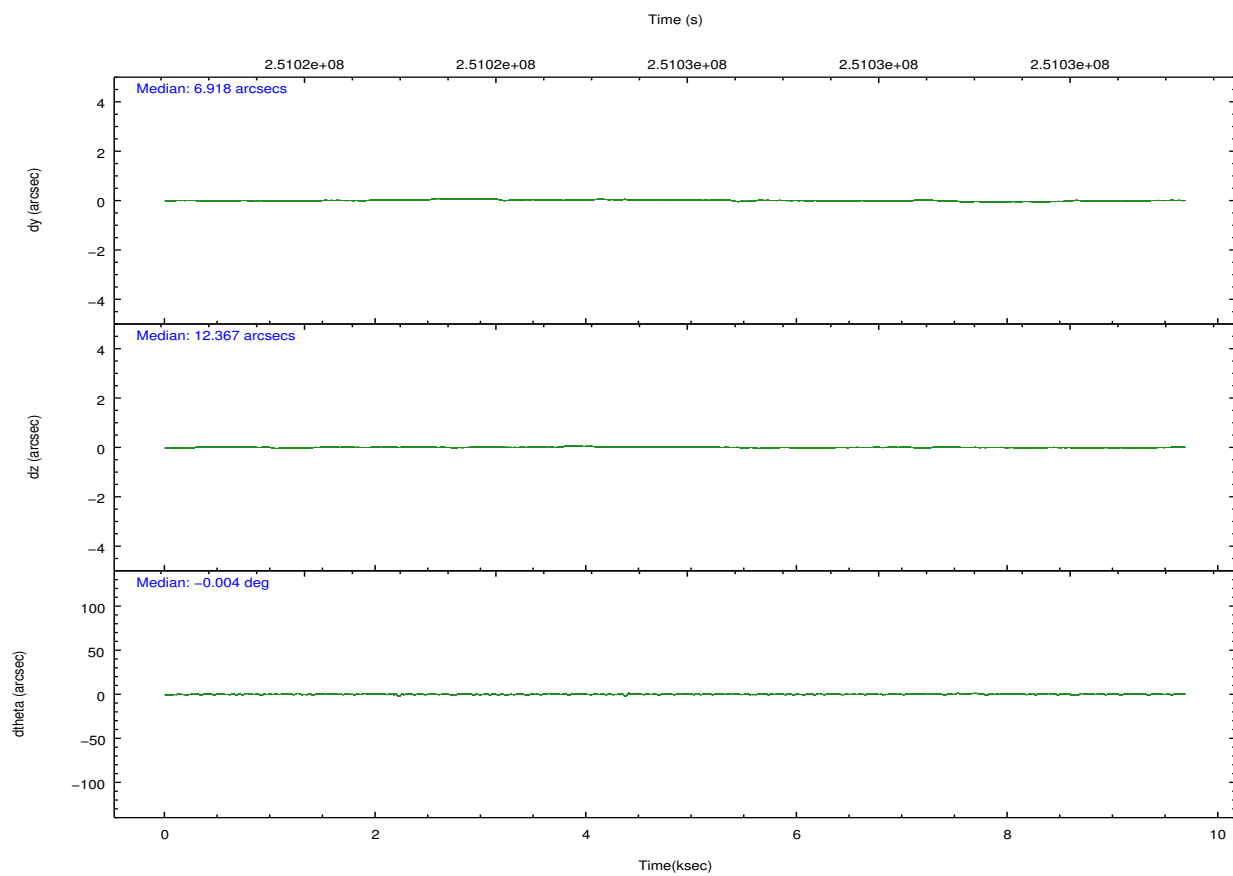
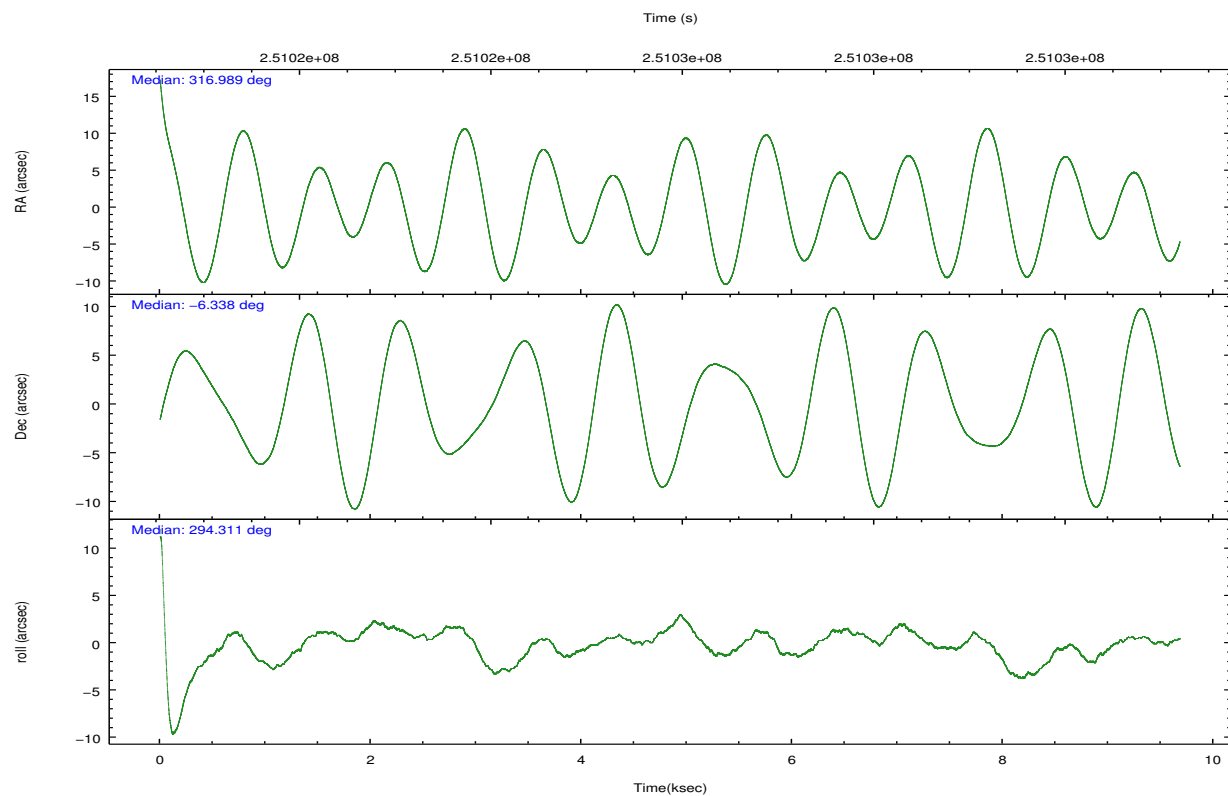
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	62542	52077	50365	56213	31942	65637	grade 0 events	1859	1759	4930	2283	2429	4814
rejected events	57955	47788	20152	50987	13797	48577		2%	3%	9%	4%	7%	7%
rejected %	92%	91%	40%	90%	43%	74%	grade 1 events	18	28	81	24	70	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	1131	900	9875	1124	4471	4018
								1%	1%	19%	1%	13%	6%
							grade 3 events	487	504	1573	564	1953	1994
								0%	0%	3%	1%	6%	3%
							grade 4 events	539	513	1518	566	1886	1787
								0%	0%	3%	1%	5%	2%
							grade 5 events	865	1043	4042	1047	3391	1843
								1%	2%	8%	1%	10%	2%
							grade 6 events	652	688	12814	764	7670	4650
								1%	1%	25%	1%	24%	7%
							grade 7 events	56991	46642	15532	49841	10072	46476
								91%	89%	30%	88%	31%	70%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	316.966924	316.9893911252738	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.322547	-6.338078171117471	Alternating exposures requested	N	N
[deg] Pointing Roll	294.164261	294.3233921251136	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	251021213.184000	251020068.88675			
Observation start date	2005-12-15T08:05:49	2005-12-15T07:47:48			
[s] Observation end time (MET)	251030713.184000	251031794.3748			
Observation end date	2005-12-15T10:44:09	2005-12-15T11:03:14			
Read mode	TIMED	TIMED			

2.3 Aspect



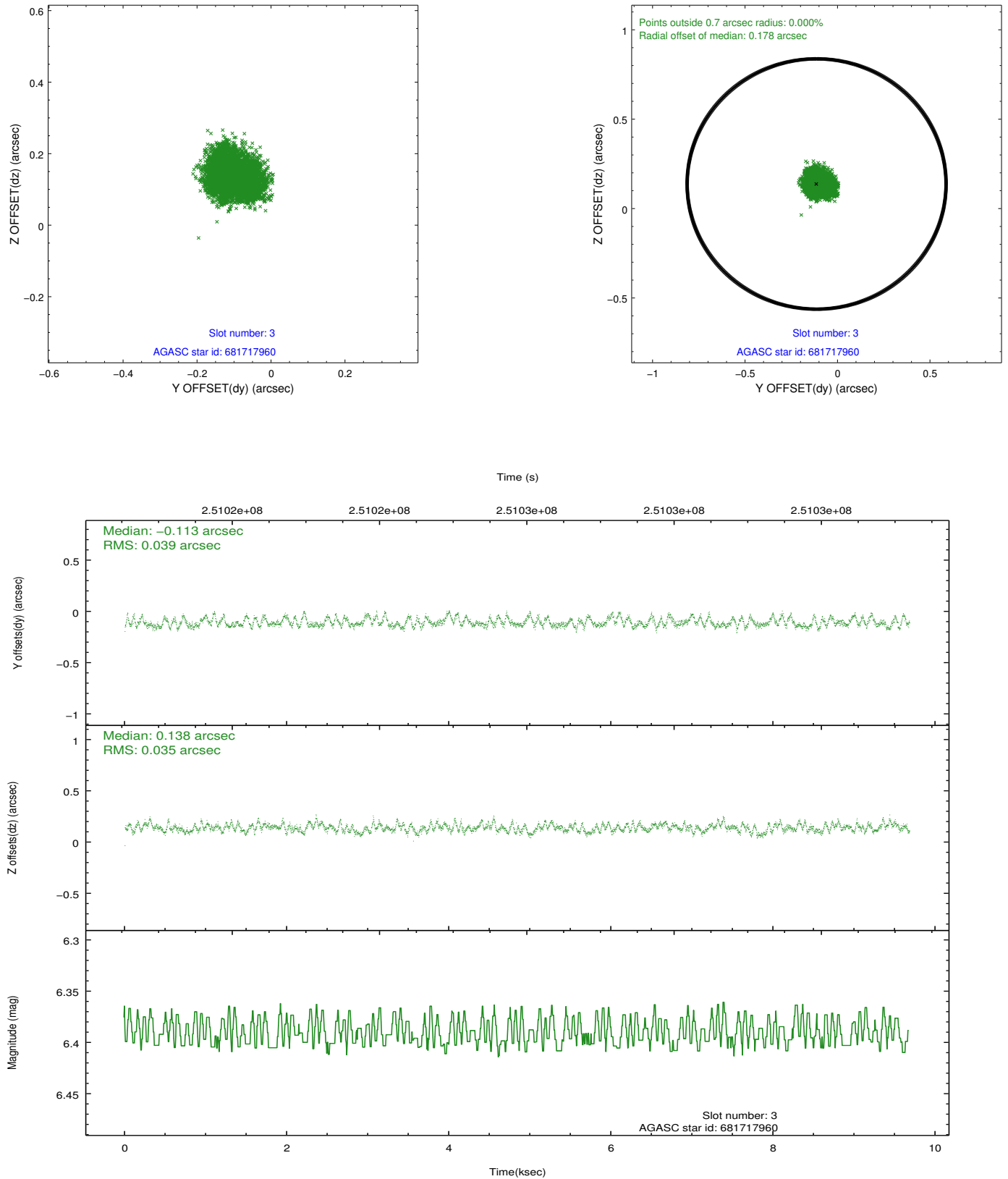


Slot Statistics

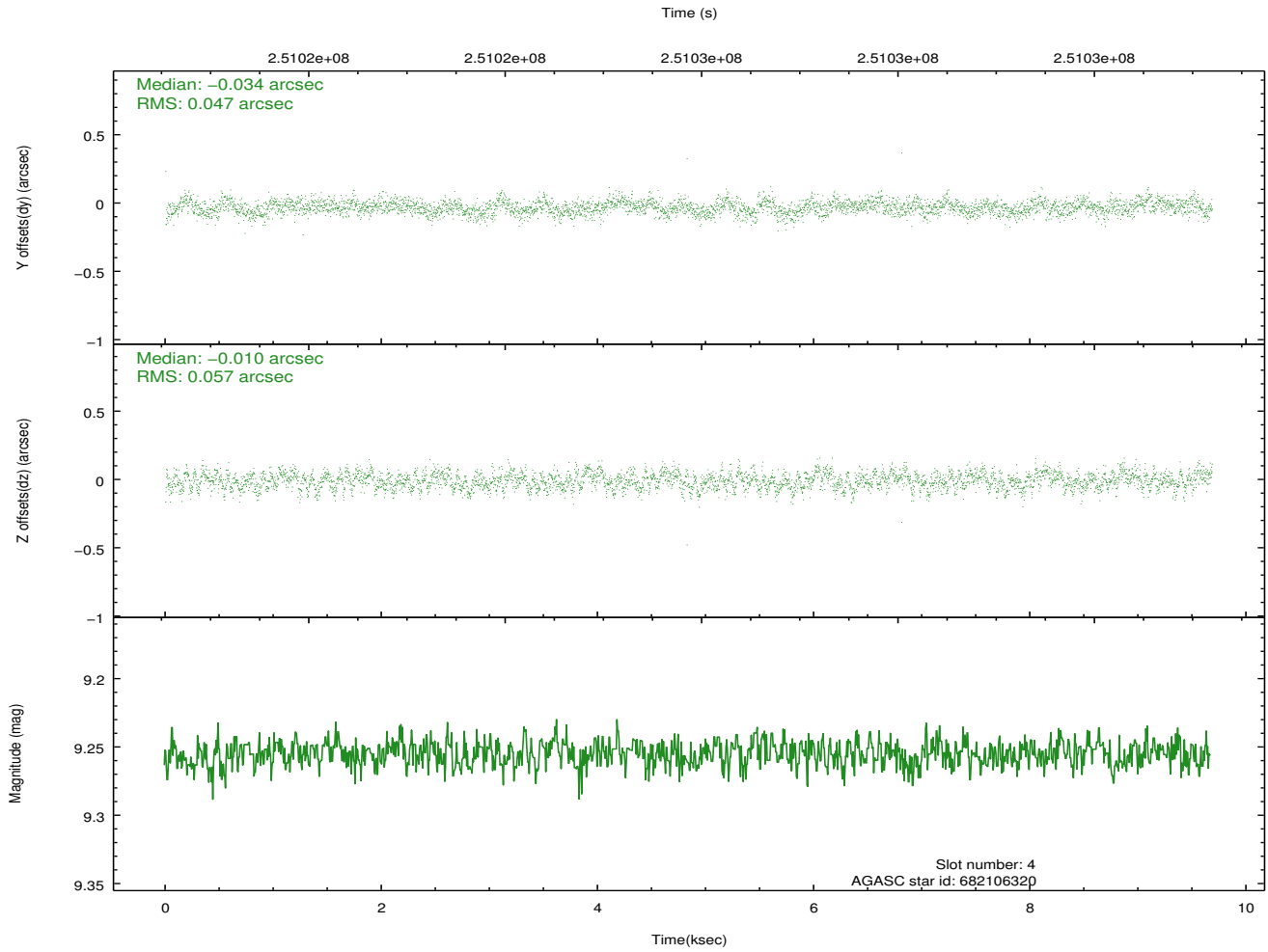
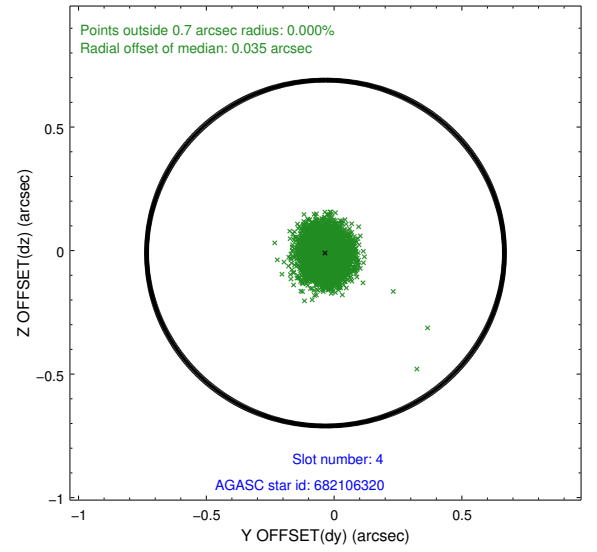
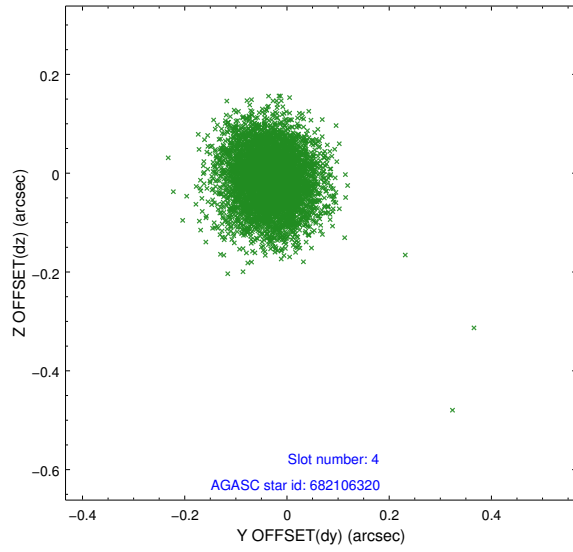
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2362	-0.024	-0.036	0.006	0.011	0.000000	0.000000	-759.71	-1733.65
1	FID	ACIS-S-4	7.20	2362	0.069	0.021	0.005	0.010	0.000000	0.000000	2153.42	174.29
2	FID	ACIS-S-5	7.23	2362	-0.076	0.023	0.007	0.012	0.000000	0.000000	-1811.88	168.62
3	GUIDE	681717960	6.39	4724	-0.113	0.138	0.057	0.091	317.239215	-5.581877	-2033.22	1981.24
4	GUIDE	682106320	9.26	4719	-0.034	-0.010	0.079	0.126	316.534451	-6.139614	-1233.74	-1142.45
5	GUIDE	682110544	8.49	4723	0.095	-0.196	0.069	0.110	316.571300	-6.266312	-763.24	-1209.20
6	GUIDE	682234552	9.34	4710	0.057	0.142	0.086	0.140	317.222074	-5.705582	-1652.19	1743.03
7	GUIDE	682104384	9.22	4722	-0.011	-0.075	0.092	0.147	316.615209	-5.762874	-2353.46	-324.60

2.4 Star Slots

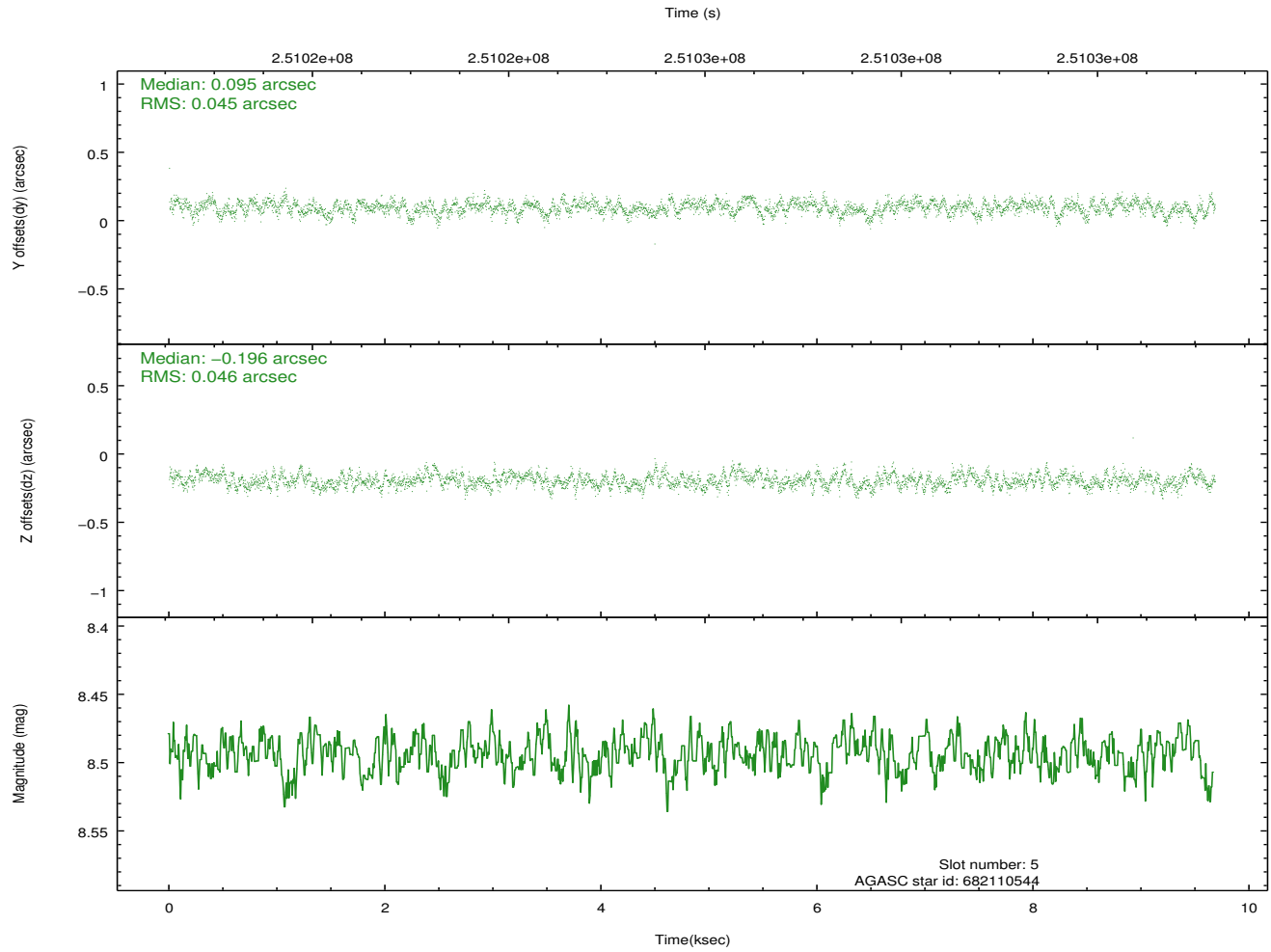
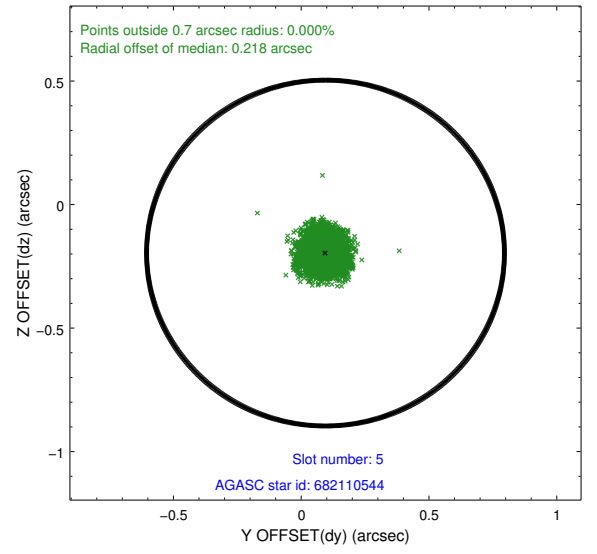
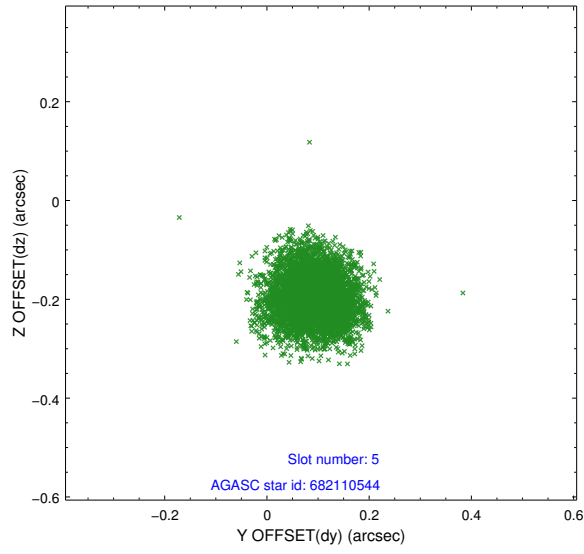
2.4.1 Slot 3



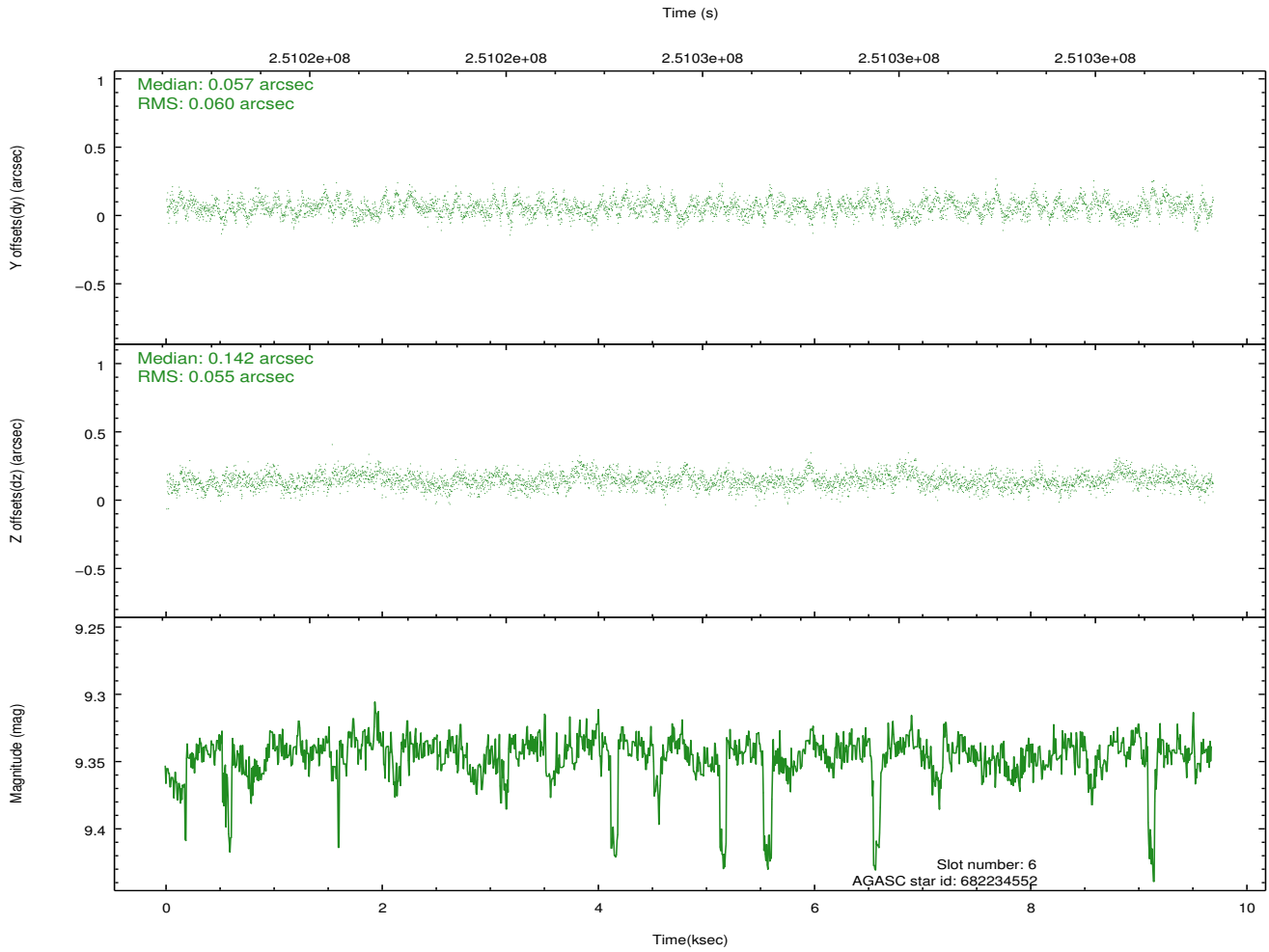
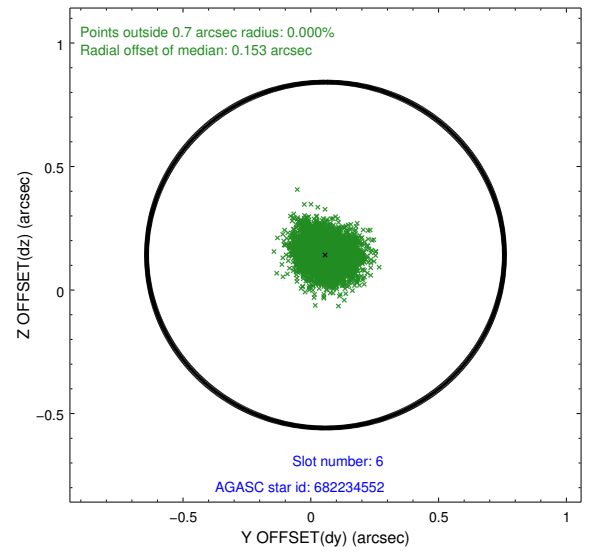
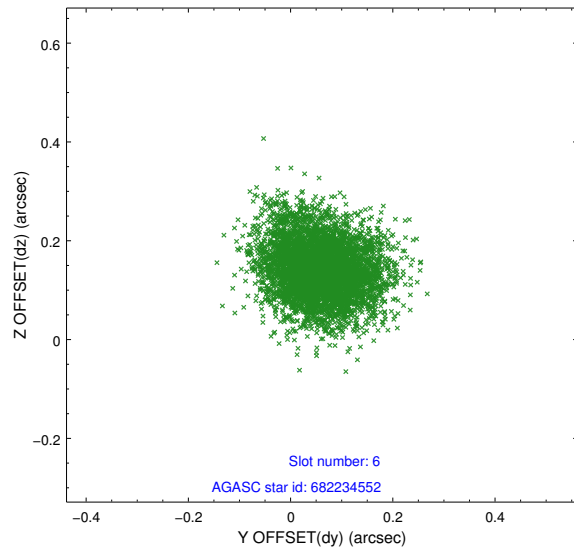
2.4.2 Slot 4



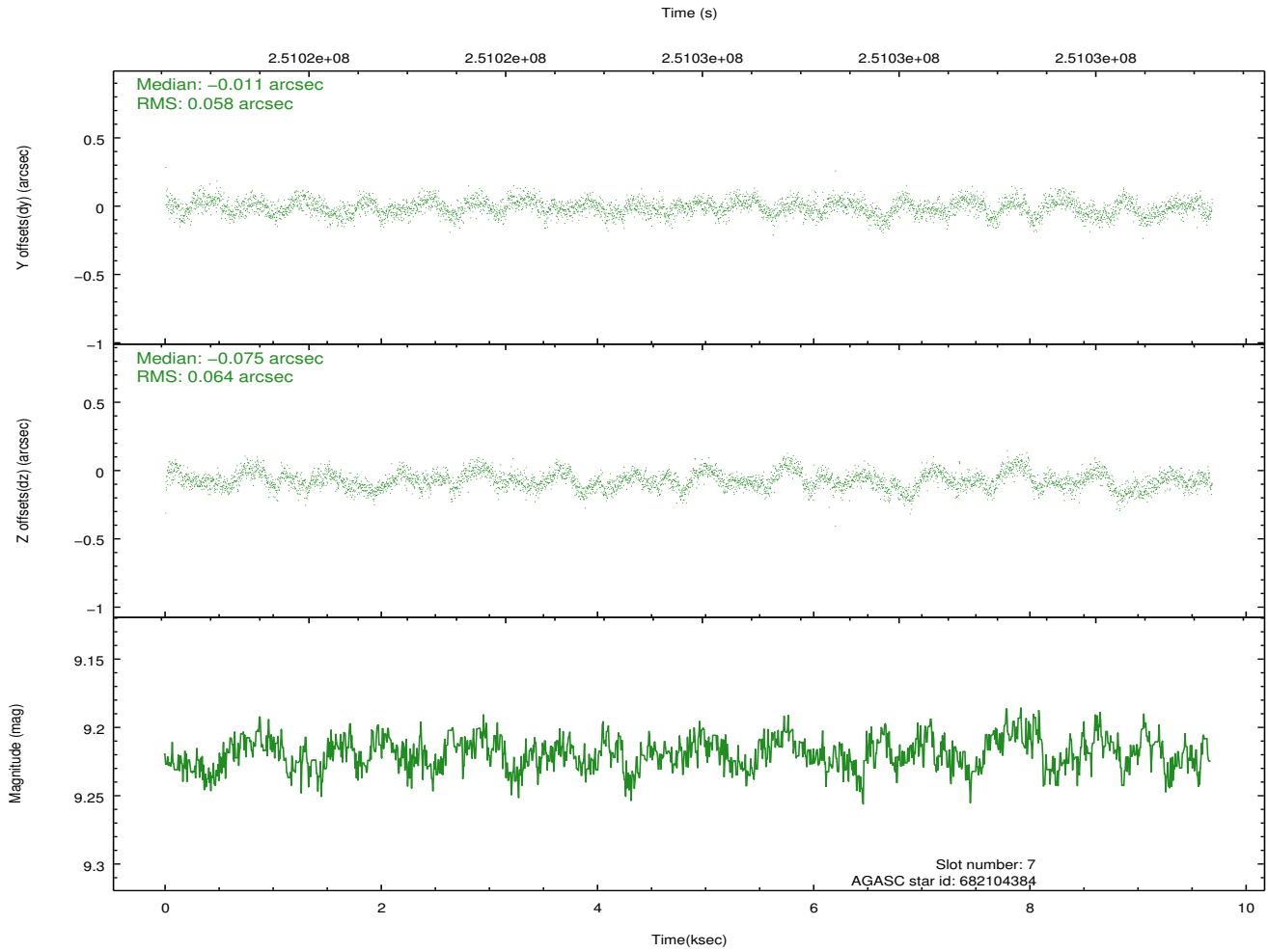
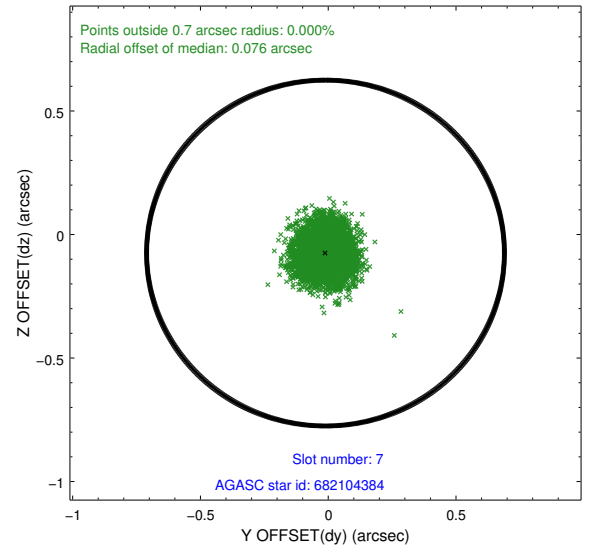
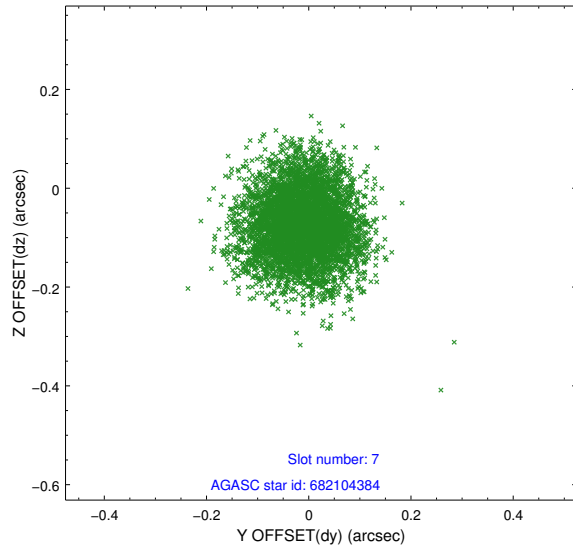
2.4.3 Slot 5



2.4.4 Slot 6

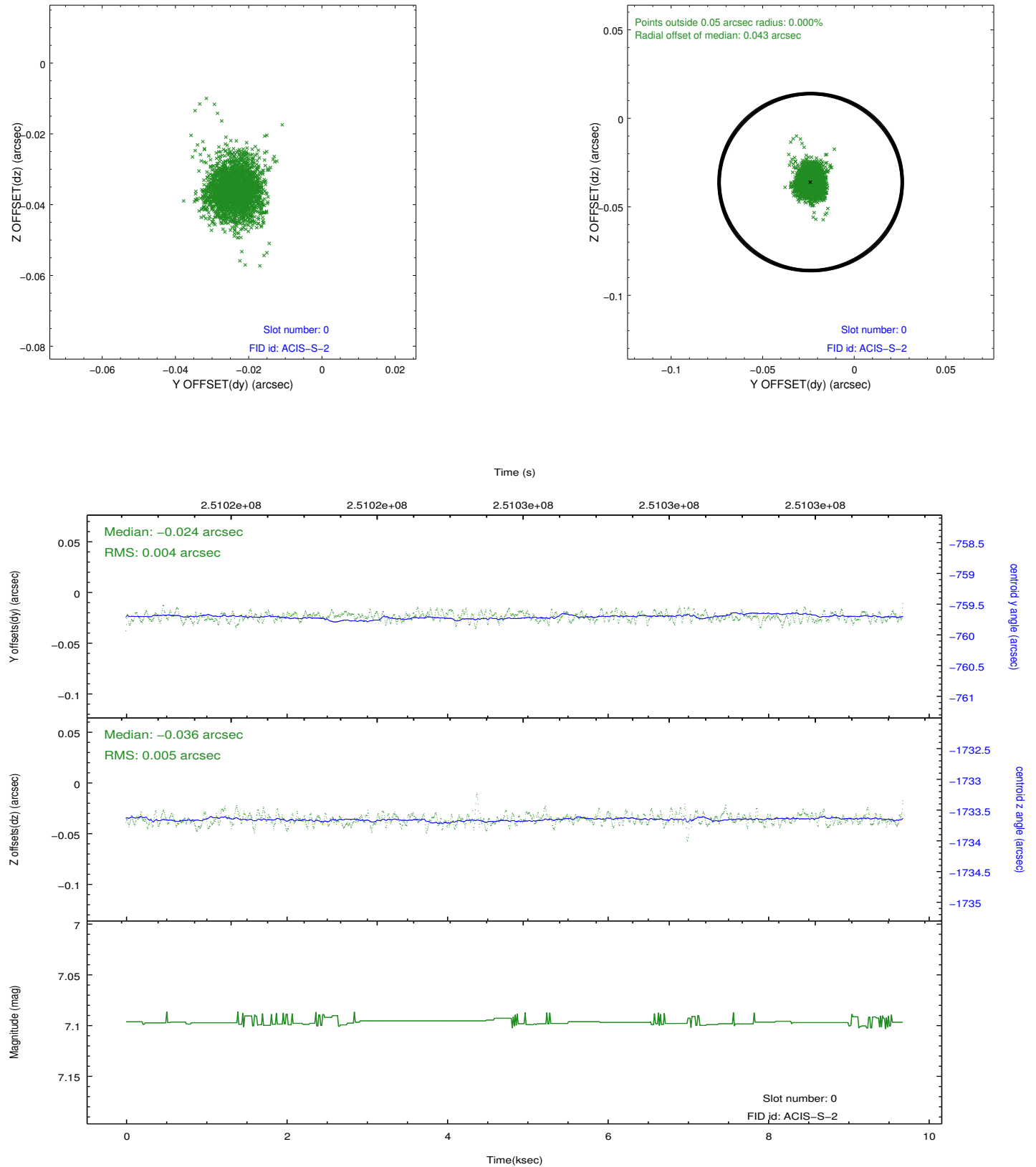


2.4.5 Slot 7

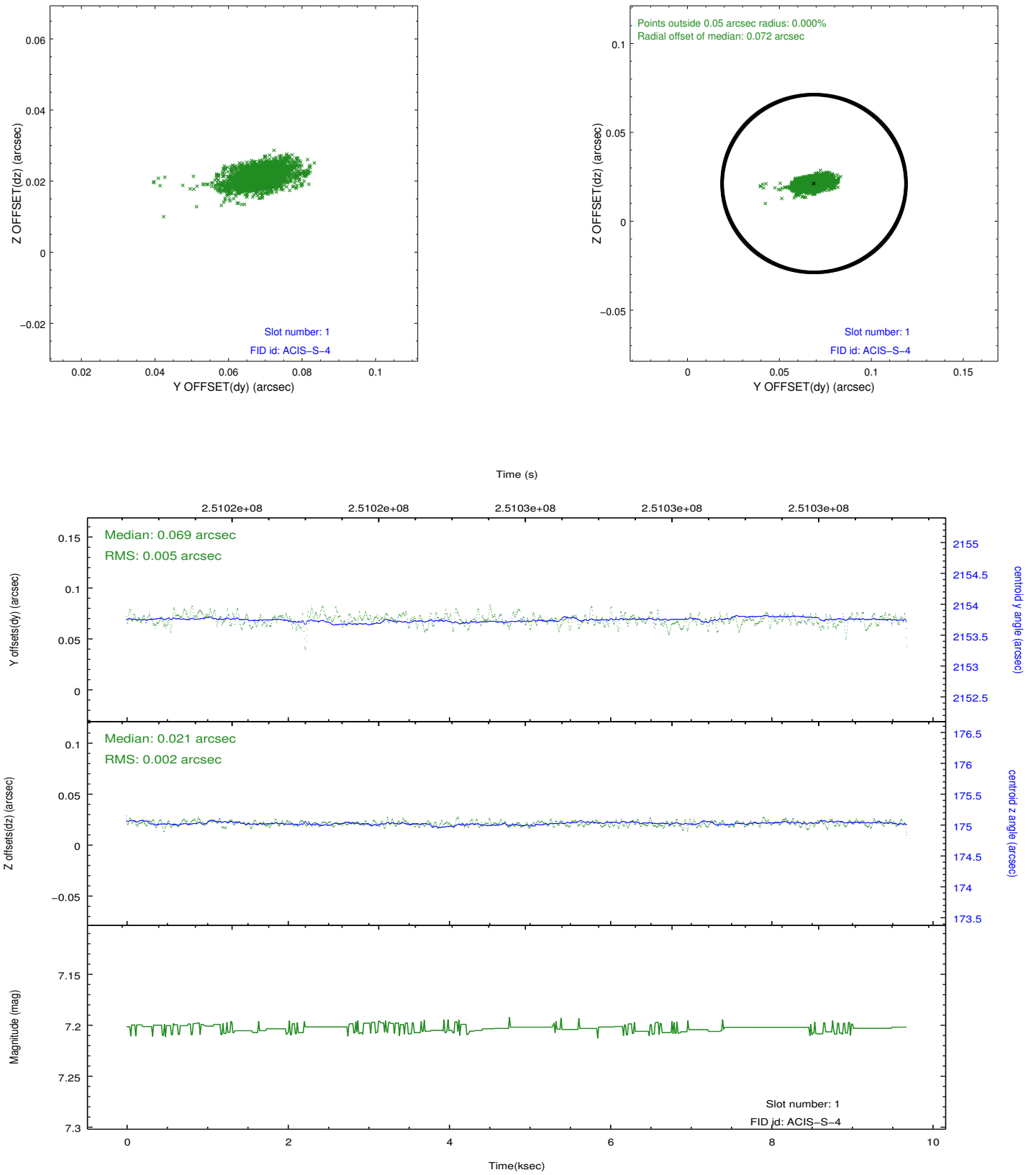


2.5 FID Slots

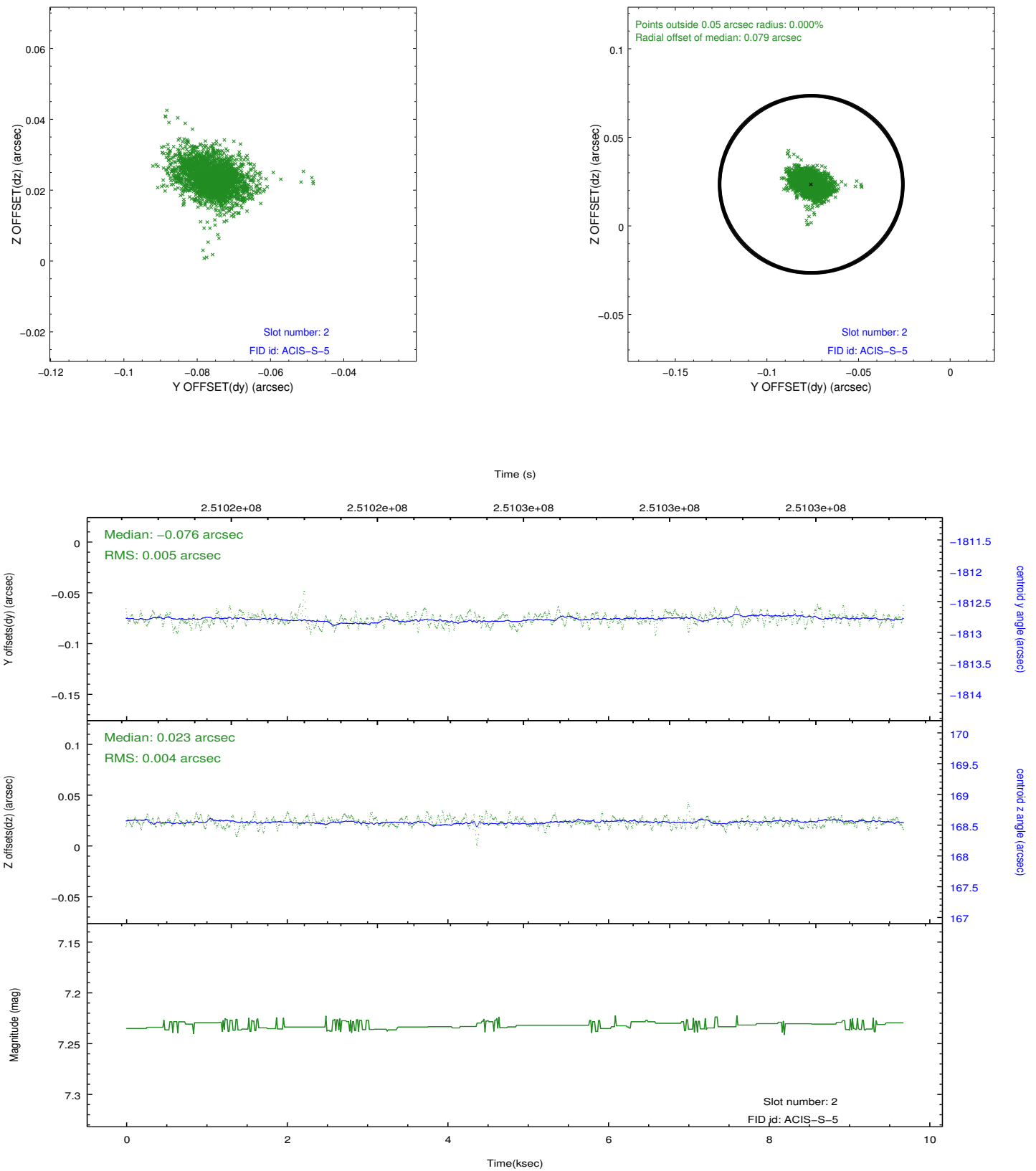
2.5.1 Slot 0



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)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.676799

A.2 Comments