

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6888 - L2 Version 2
Chandra X-Ray Center

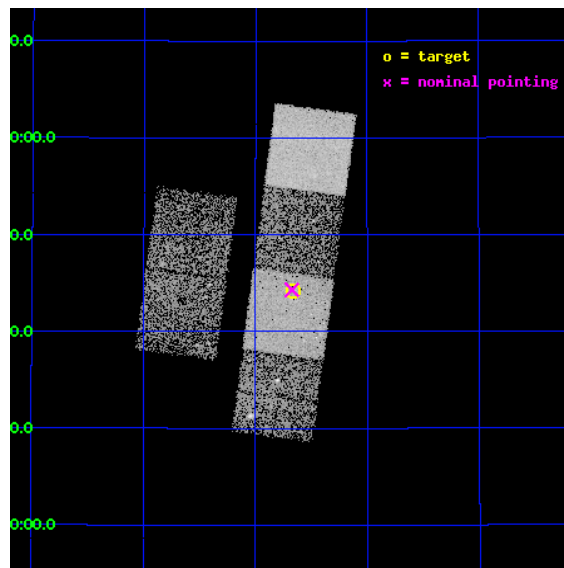
L2 Processing Date : Mar 17 2012

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

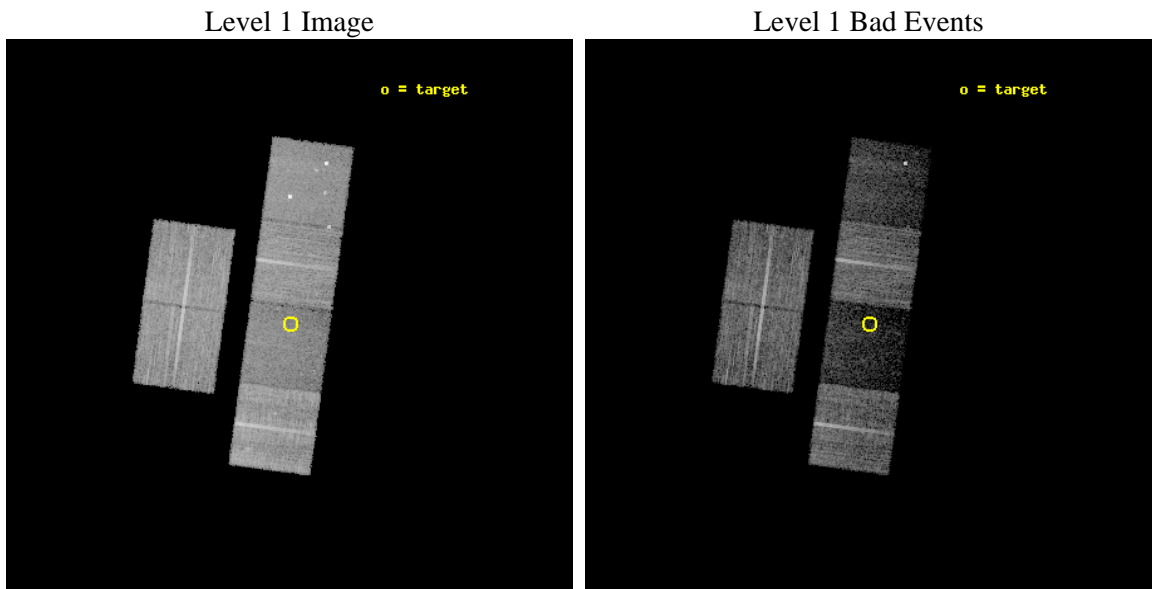
seq_num	701305	Sequence number
obs_id	6888	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J073739.96+384413.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.416667	Observer's specified target RA [deg]
dec_targ	38.737028	Observer's specified target Dec [deg]
ra_nom	114.41853848927	Nominal RA [deg]
dec_nom	38.738498788031	Nominal Dec [deg]
roll_nom	97.689827282881	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10627.199960411	Sum of GTIs [s]
livetime	10492.63195558	Livetime [s]
ontime2	10627.199960411	Sum of GTIs [s]
ontime3	10627.199960411	Sum of GTIs [s]
ontime5	10627.199960411	Sum of GTIs [s]
ontime6	10627.199960411	Sum of GTIs [s]
ontime7	10627.199960411	Sum of GTIs [s]
ontime8	10627.199960411	Sum of GTIs [s]
l2events	65001	Number of level 2 events



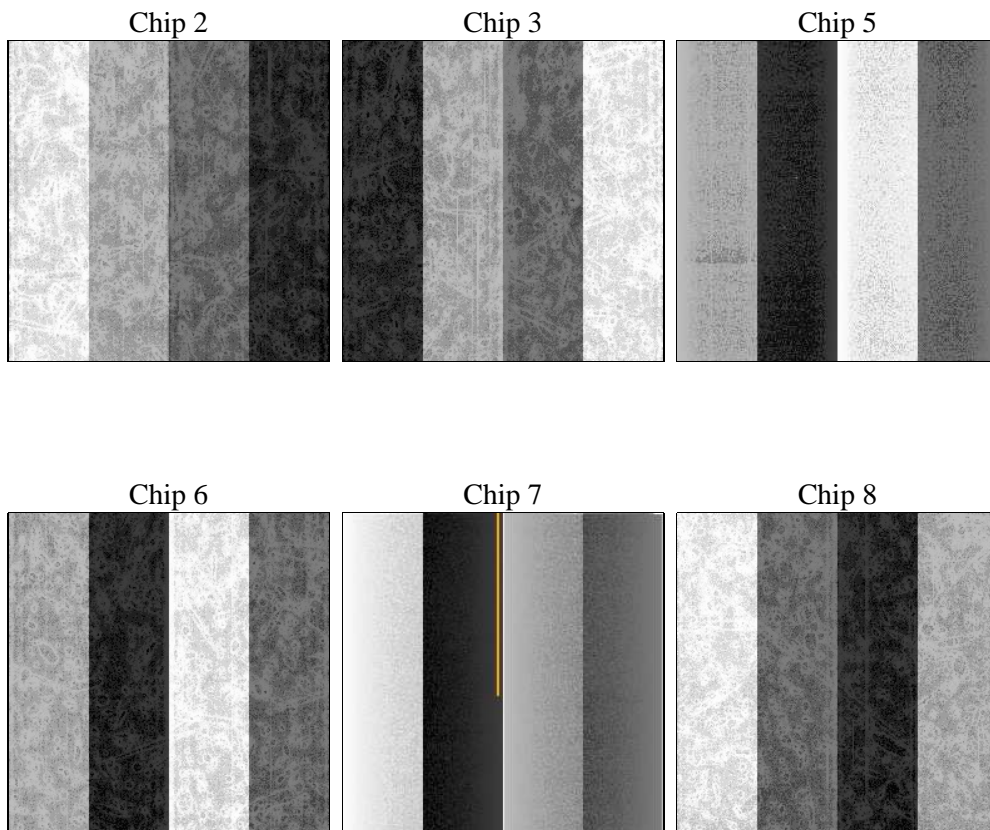
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10627.199960411	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	10627.199960411	Sum of GTIs [s]
date	2012-03-17T16:05:20	Date and time of file creation	ontime3	10627.199960411	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10627.199960411	Sum of GTIs [s]
			ontime6	10627.199960411	Sum of GTIs [s]
			ontime7	10627.199960411	Sum of GTIs [s]
			ontime8	10627.199960411	Sum of GTIs [s]
			l1events	345510	Number of level 1 events

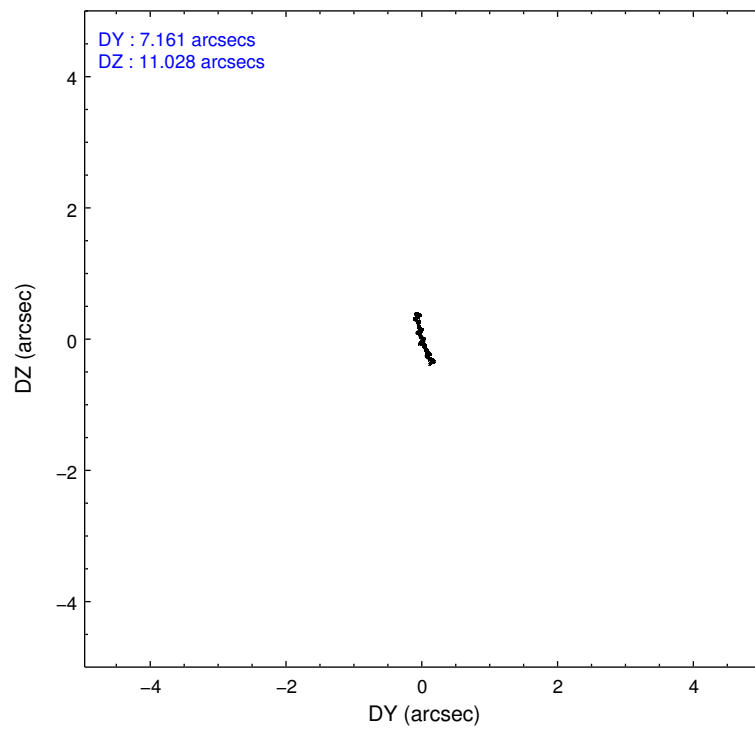
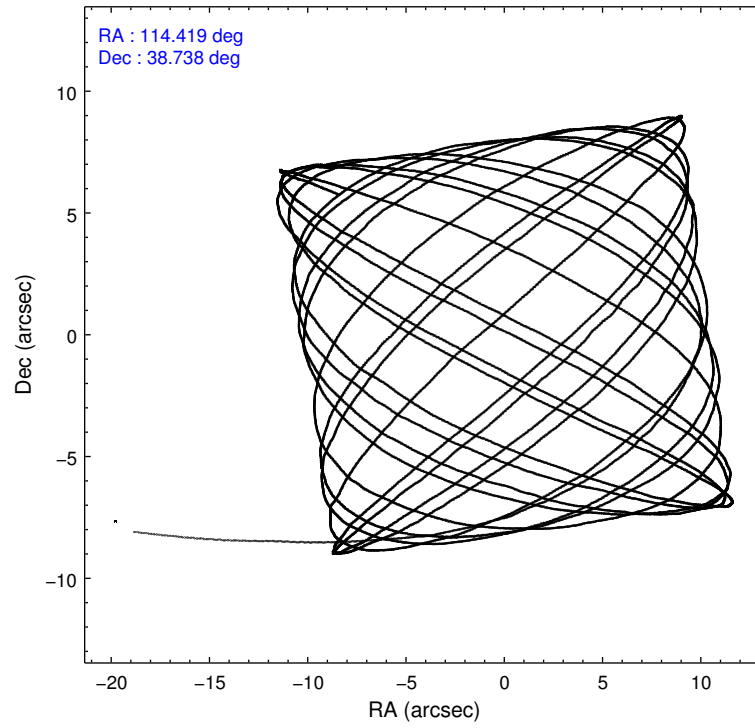
2.1.4 Events

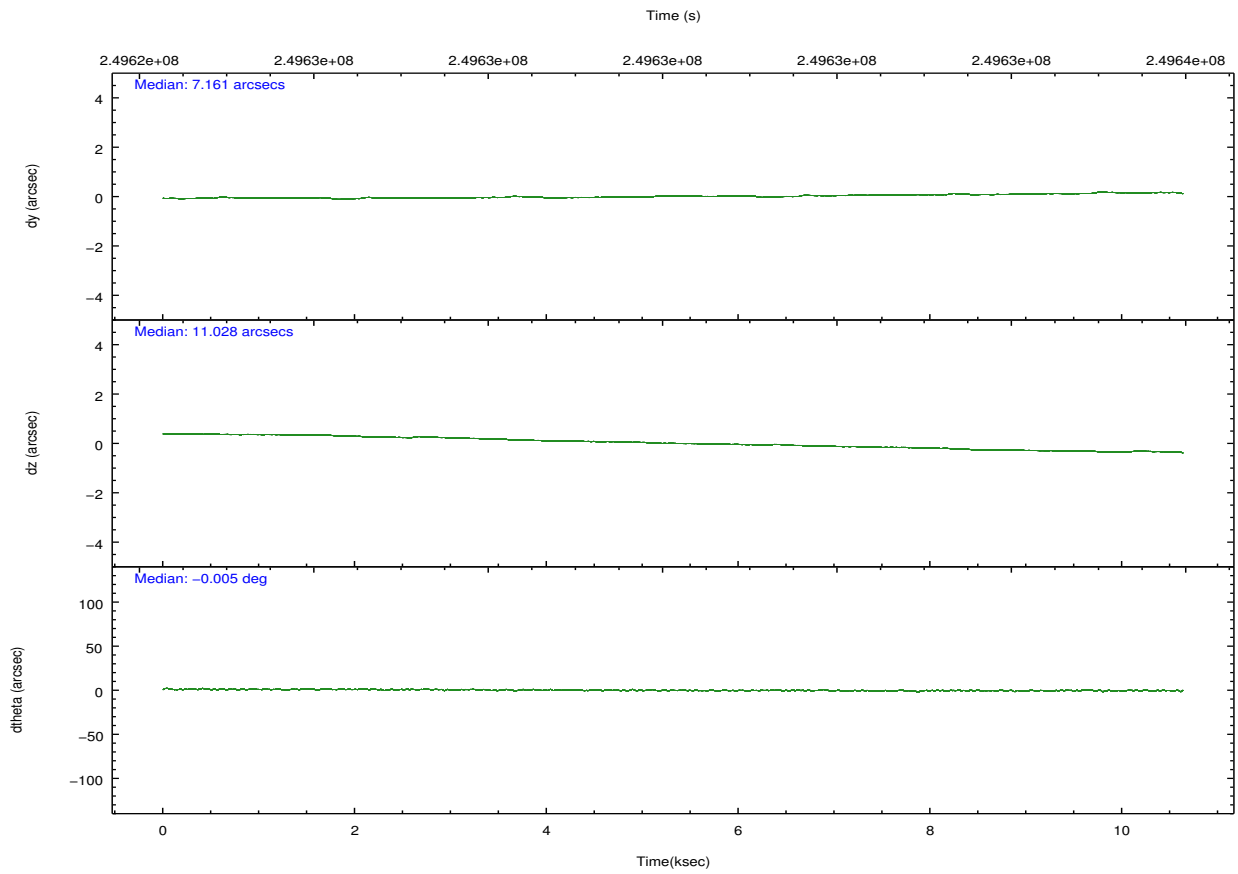
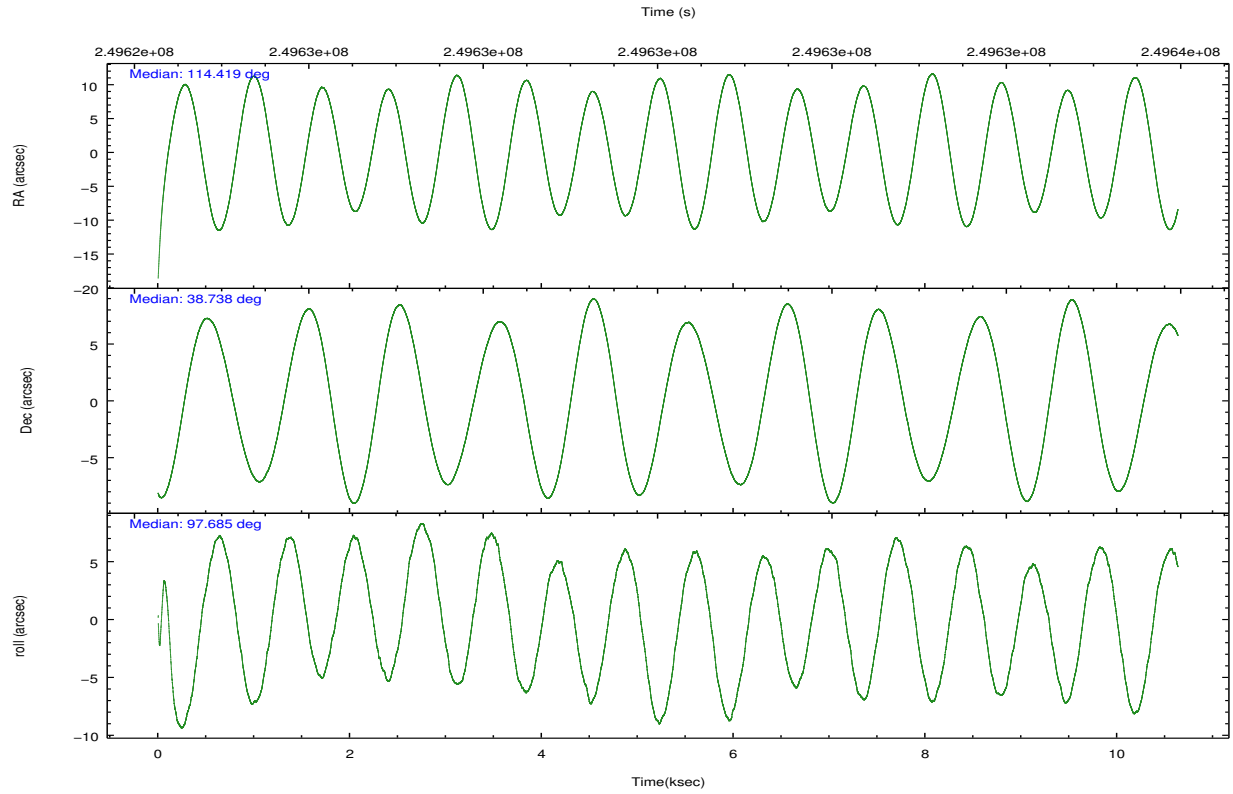
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	64180	60297	55651	59596	33891	71895	grade 0 events	2034	2004	6490	2240	2466	5458
rejected events	59064	55451	21332	54200	14427	53872		3%	3%	11%	3%	7%	7%
rejected %	92%	91%	38%	90%	42%	74%	grade 1 events	26	27	115	28	69	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1213	1006	10603	1128	4501	4005
								1%	1%	19%	1%	13%	5%
							grade 3 events	568	543	1777	607	2076	2012
								0%	0%	3%	1%	6%	2%
							grade 4 events	589	562	1706	582	2046	1875
								0%	0%	3%	0%	6%	2%
							grade 5 events	950	1114	4480	1124	3671	2000
								1%	1%	8%	1%	10%	2%
							grade 6 events	717	735	13801	846	8390	4727
								1%	1%	24%	1%	24%	6%
							grade 7 events	58083	54306	16679	53041	10672	51754
								90%	90%	29%	89%	31%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	114.440290	114.4185384892695	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.717159	38.73849878803088	Alternating exposures requested	N	N
[deg] Pointing Roll	97.519613	97.68982728288134	[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)	249624939.184000	249623888.64719			
Observation start date	2005-11-29T04:14:35	2005-11-29T03:58:08			
[s] Observation end time (MET)	249635439.184000	249636128.17276			
Observation end date	2005-11-29T07:09:35	2005-11-29T07:22:08			
Read mode	TIMED	TIMED			

2.3 Aspect



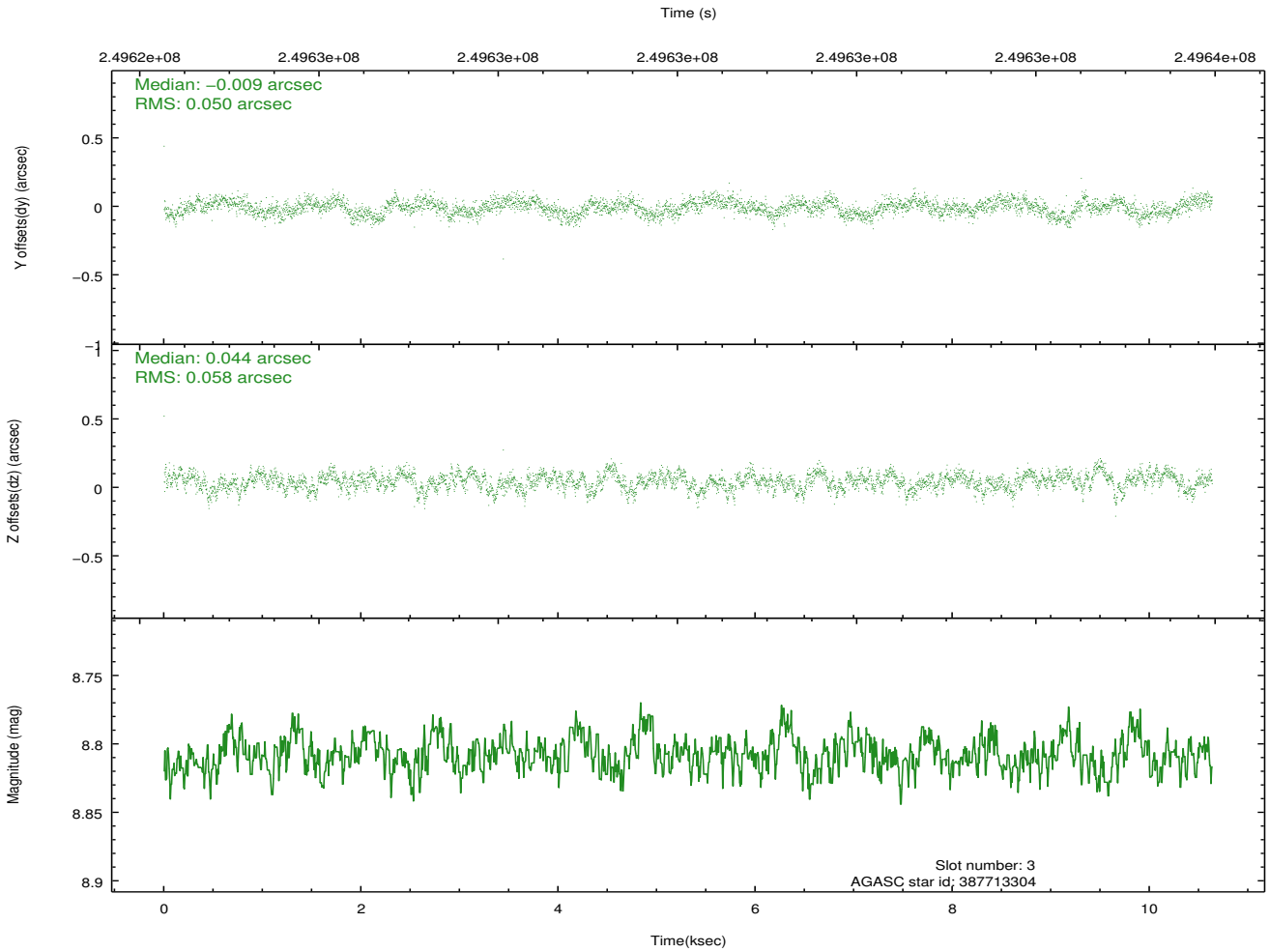
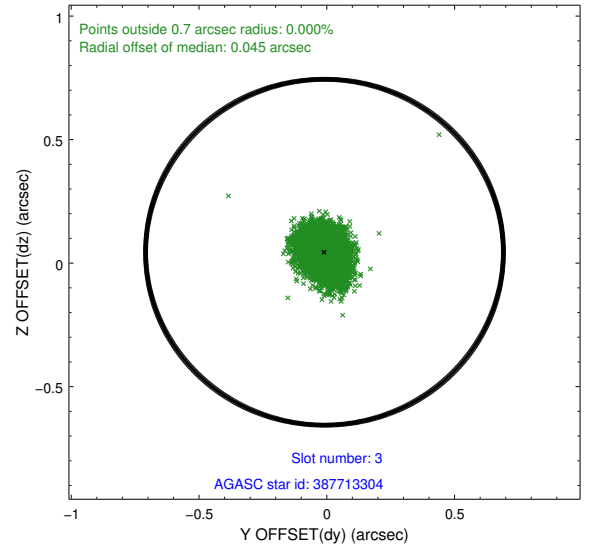
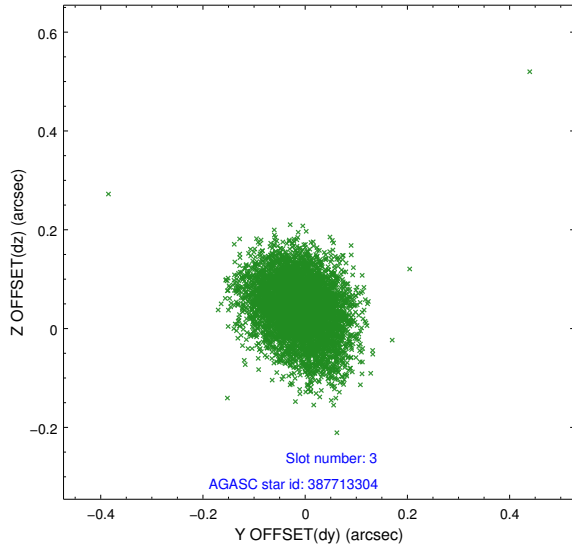


Slot Statistics

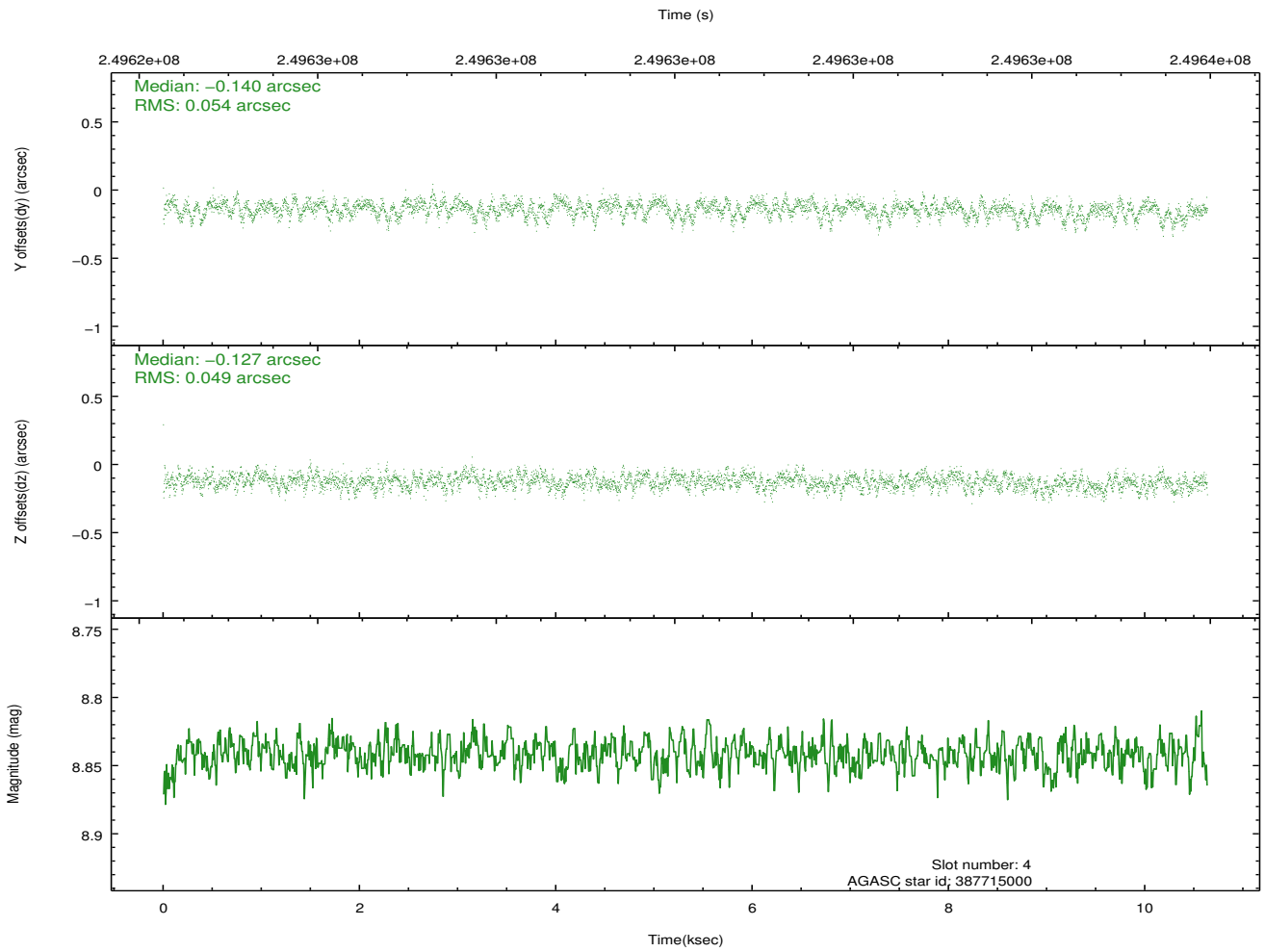
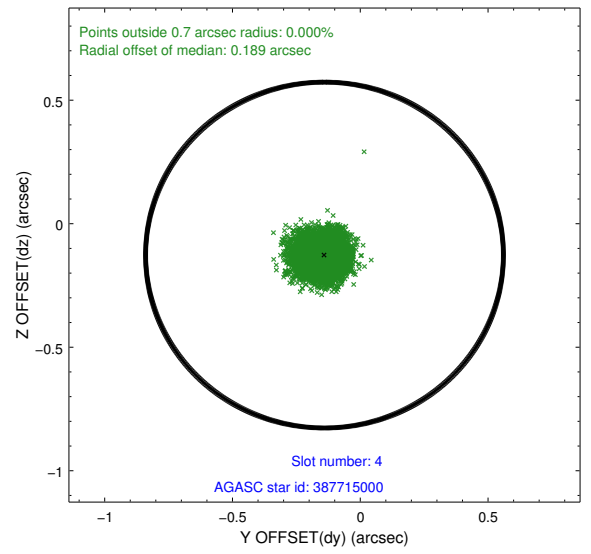
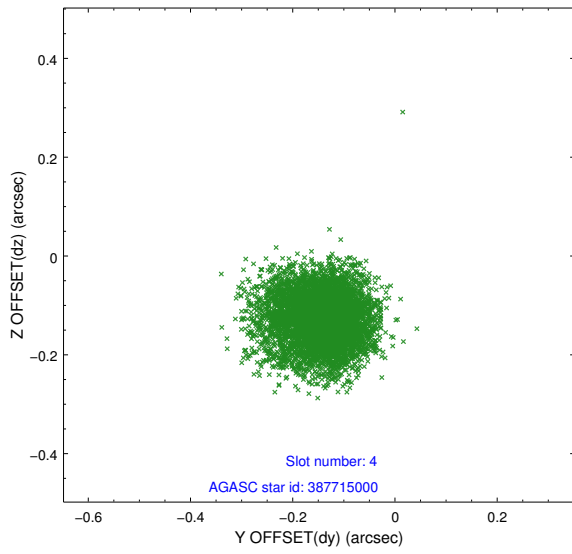
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2594	-0.068	-0.054	0.010	0.019	0.000000	0.000000	-759.98	-1732.33
1	FID	ACIS-S-4	7.21	2593	0.077	0.023	0.008	0.015	0.000000	0.000000	2153.20	175.76
2	FID	ACIS-S-6	7.35	2594	-0.036	0.038	0.009	0.015	0.000000	0.000000	402.63	813.70
3	GUIDE	387713304	8.81	5186	-0.009	0.044	0.081	0.130	114.854129	38.795070	128.72	-1188.01
4	GUIDE	387715000	8.84	5188	-0.140	-0.127	0.077	0.125	113.726977	38.946553	1087.44	1870.67
5	GUIDE	387724808	9.06	5183	-0.033	-0.159	0.083	0.138	114.178337	38.188370	-1789.04	983.97
6	GUIDE	387724760	9.44	5186	0.140	0.167	0.087	0.146	114.639887	38.092557	-2302.73	-266.25
7	GUIDE	387727880	8.44	5185	0.048	0.078	0.084	0.130	114.692394	38.330570	-1472.69	-523.83

2.4 Star Slots

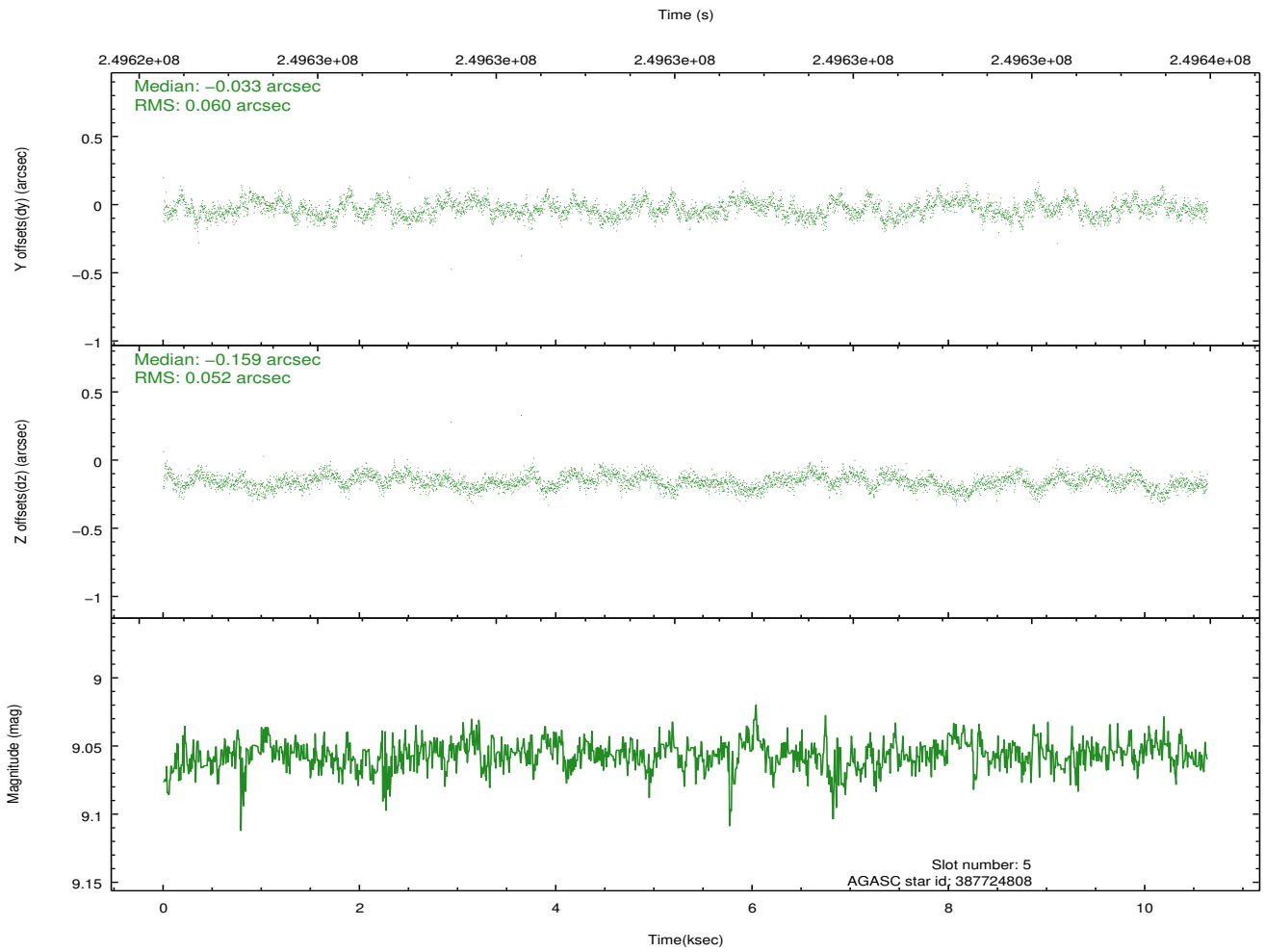
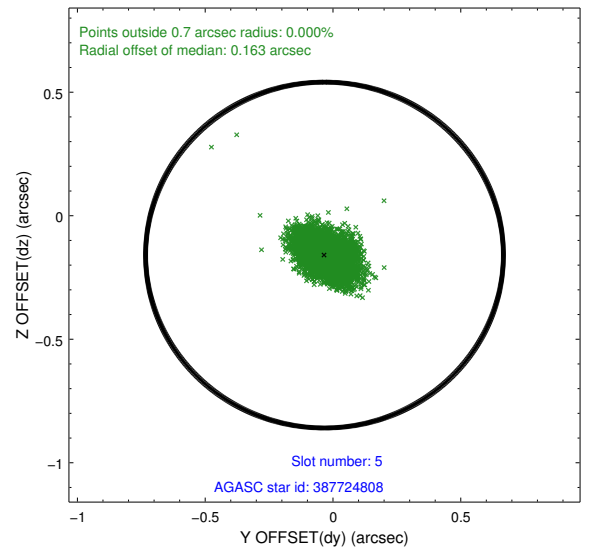
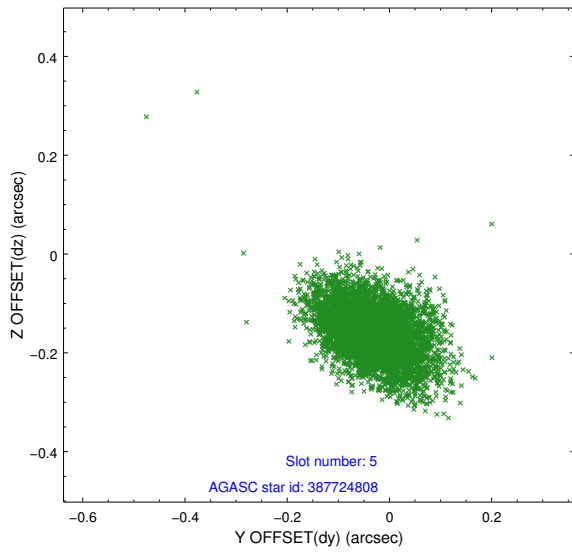
2.4.1 Slot 3



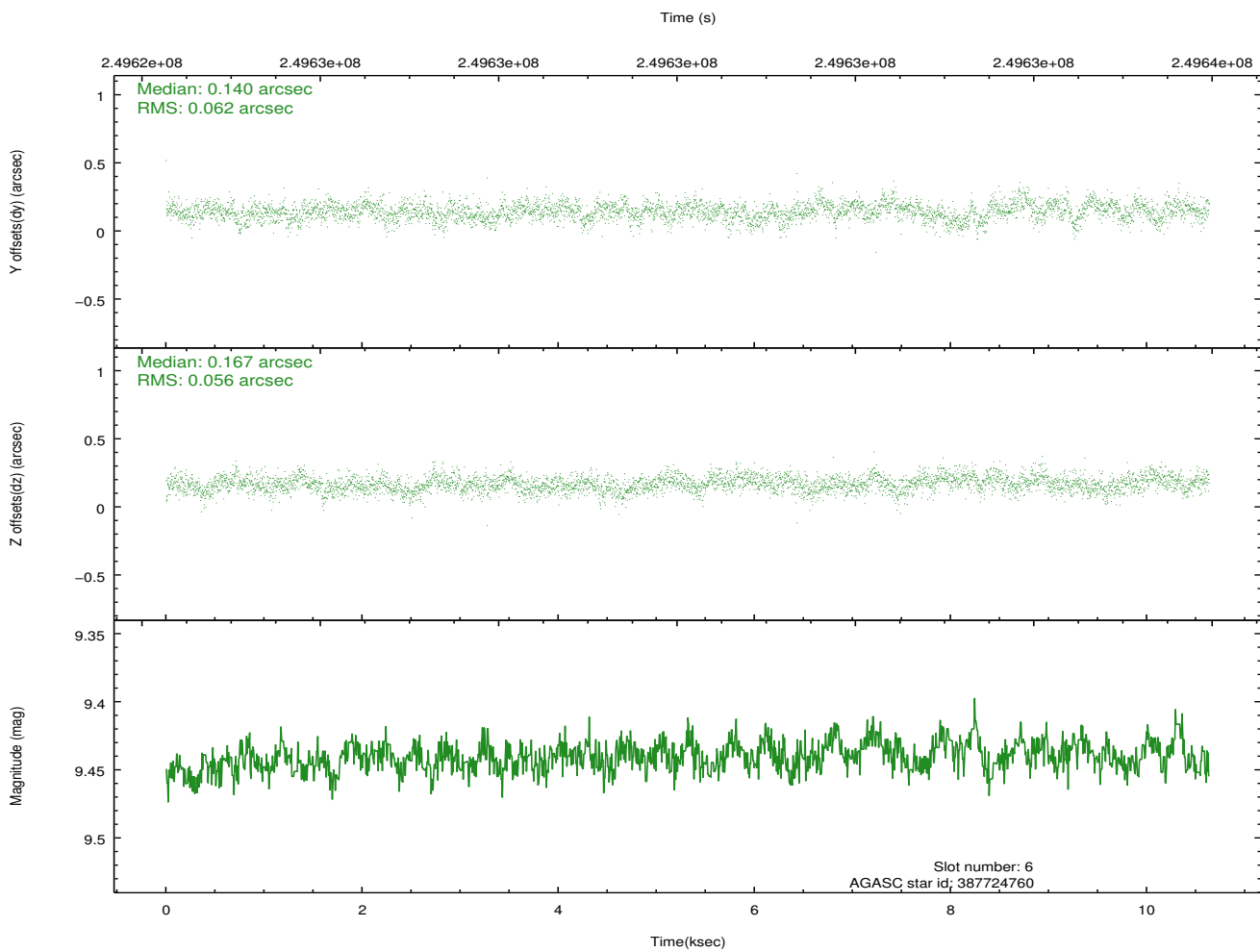
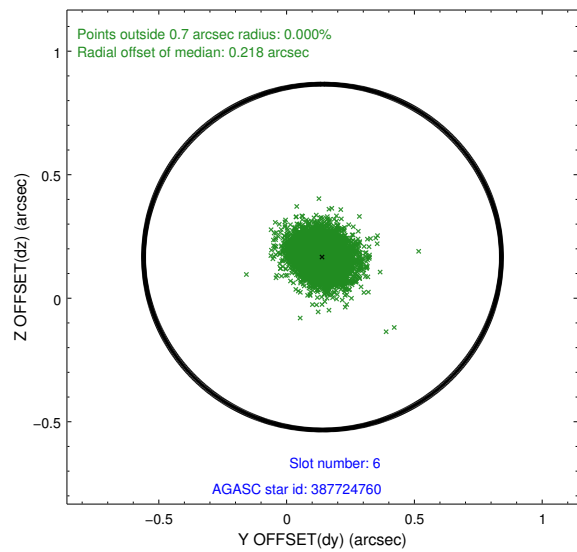
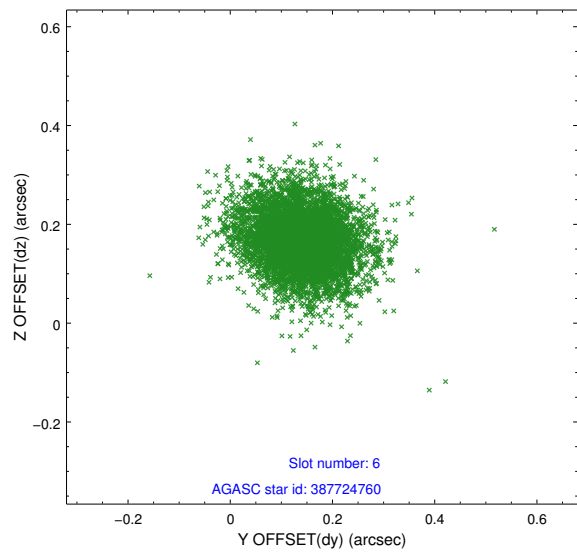
2.4.2 Slot 4



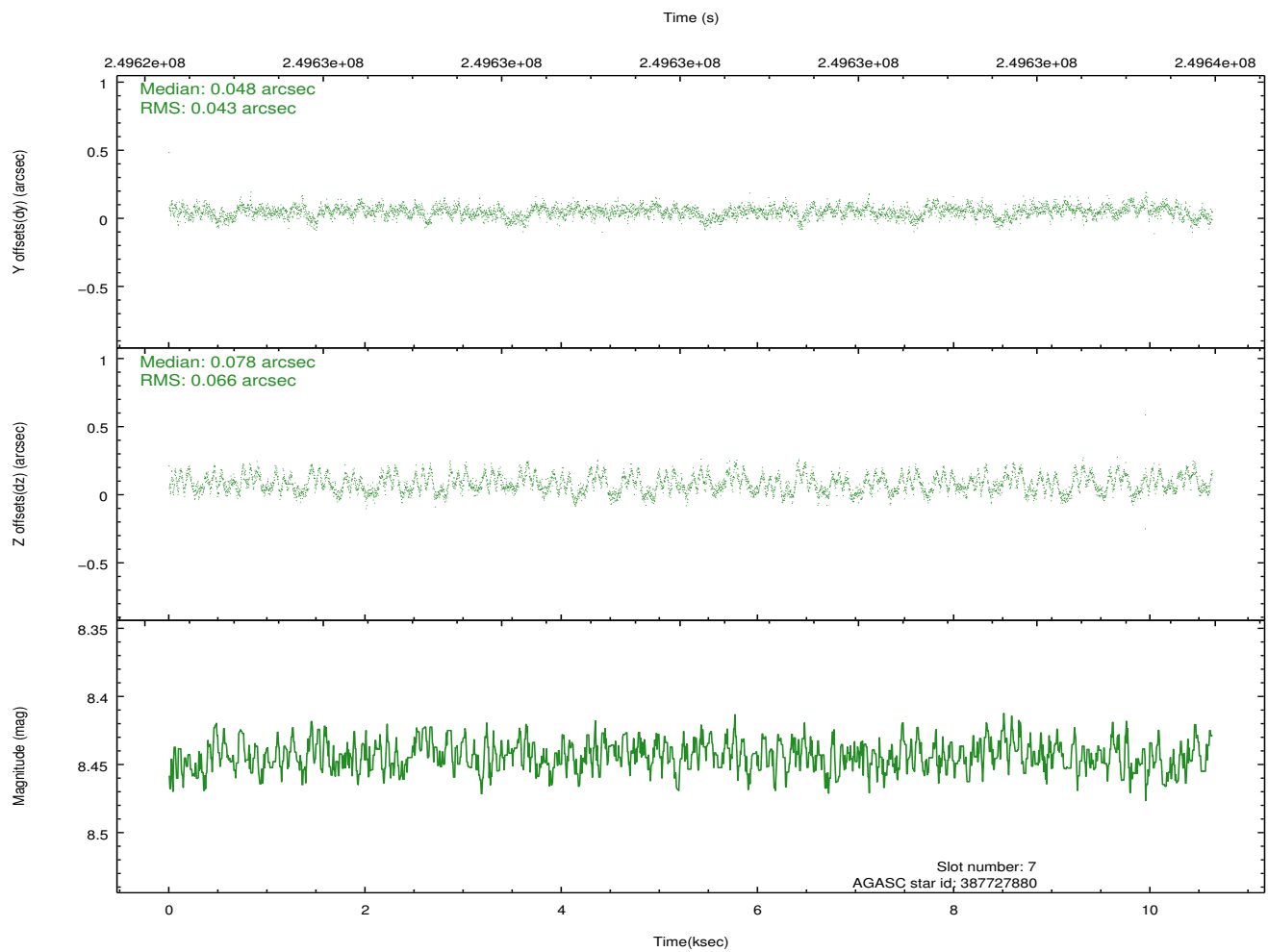
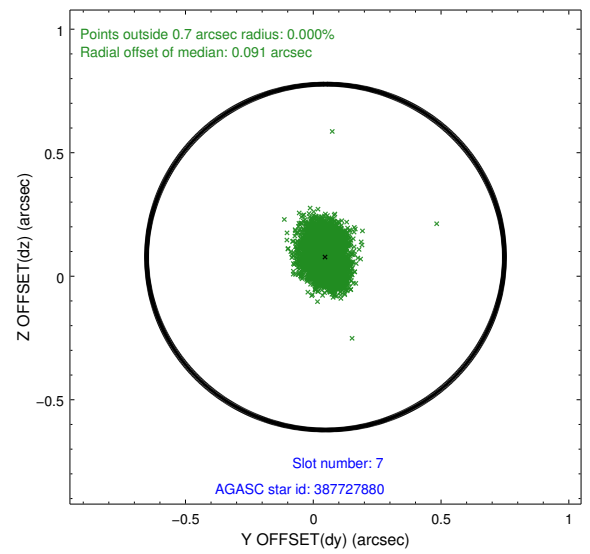
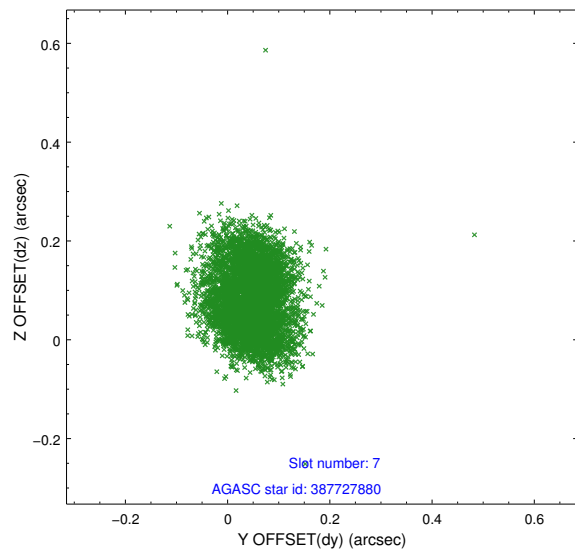
2.4.3 Slot 5



2.4.4 Slot 6

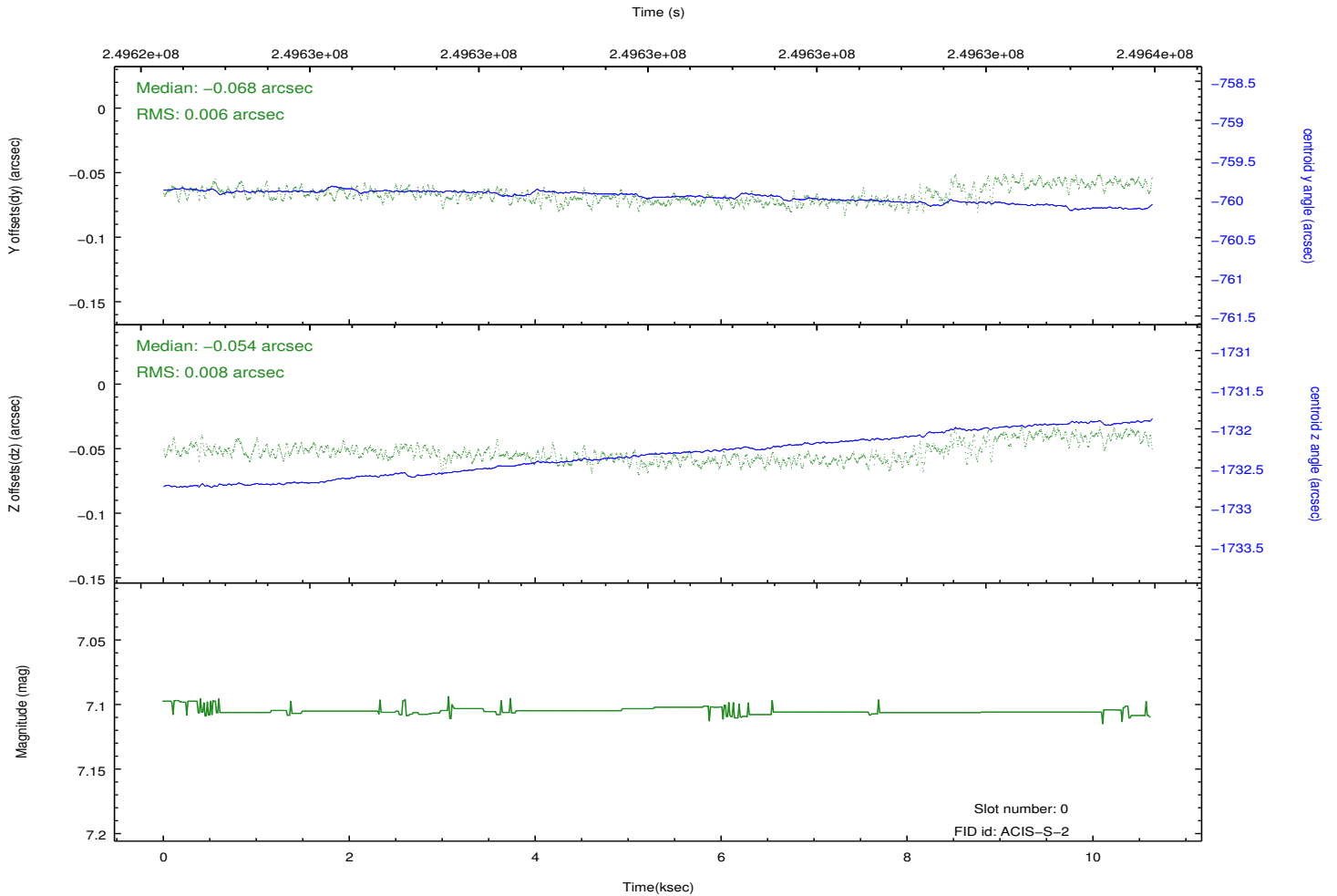
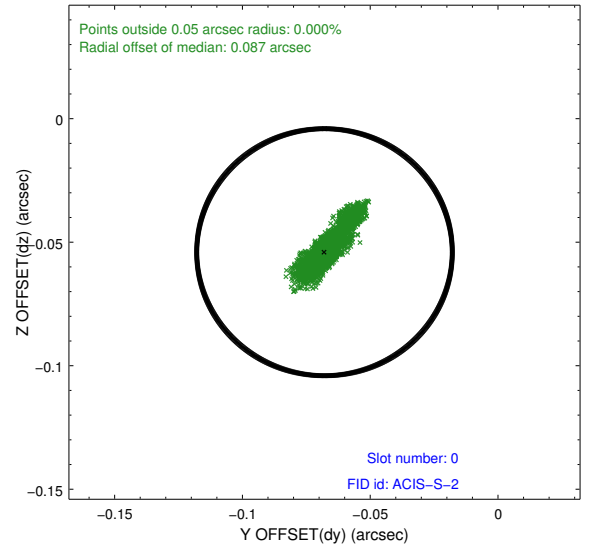
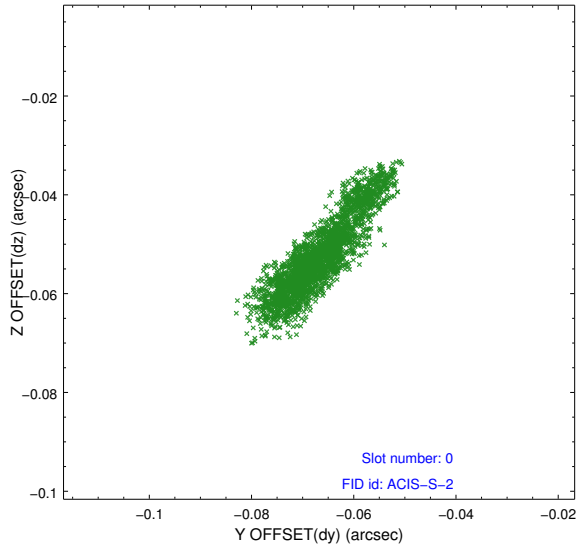


2.4.5 Slot 7

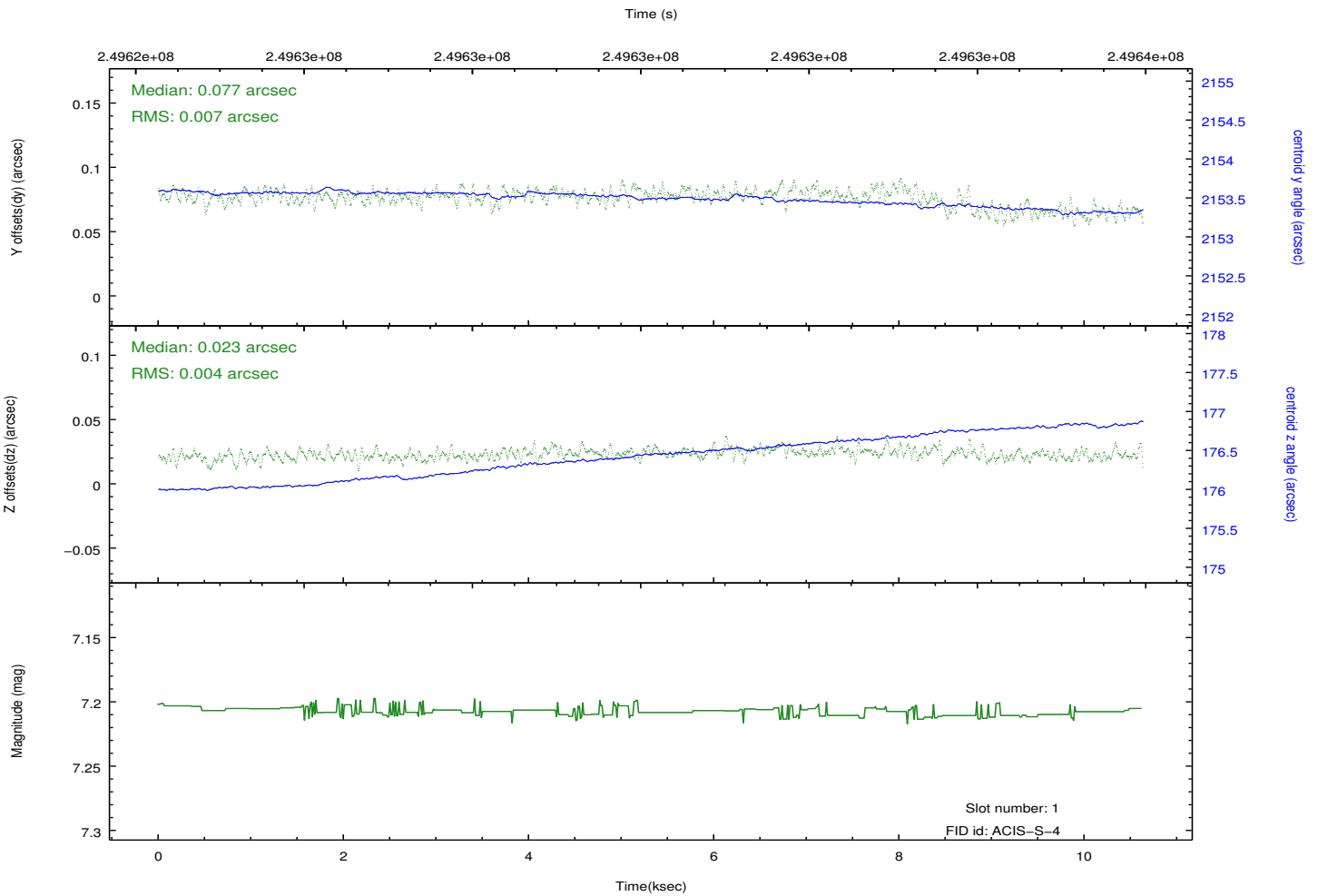
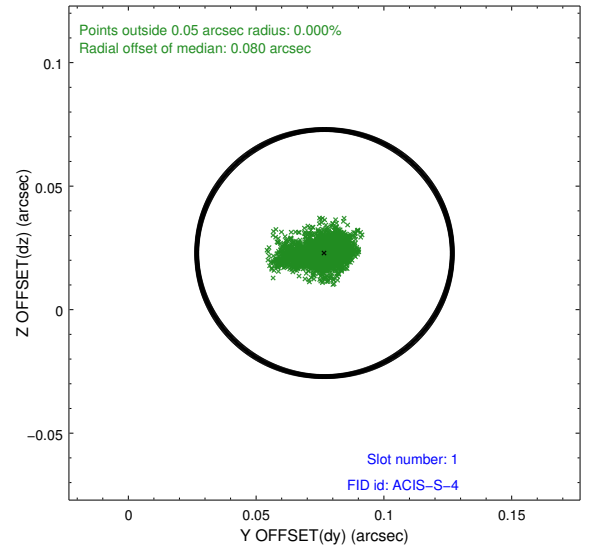
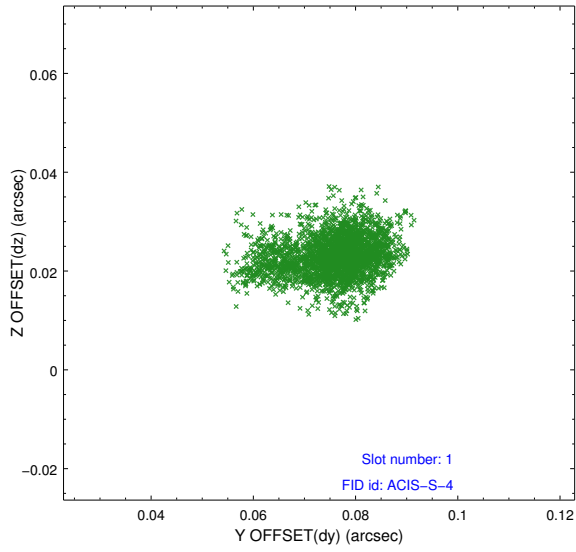


2.5 FID Slots

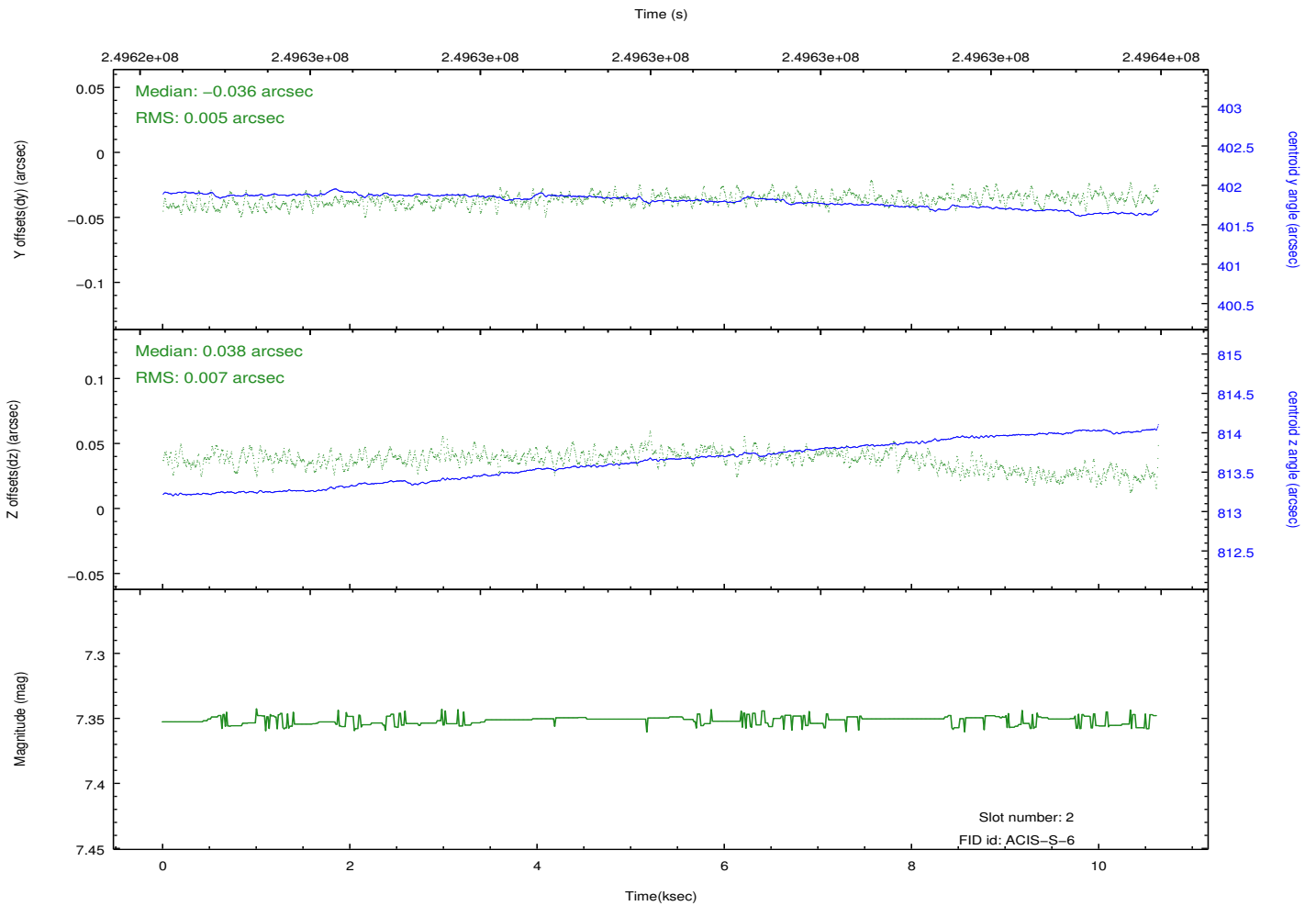
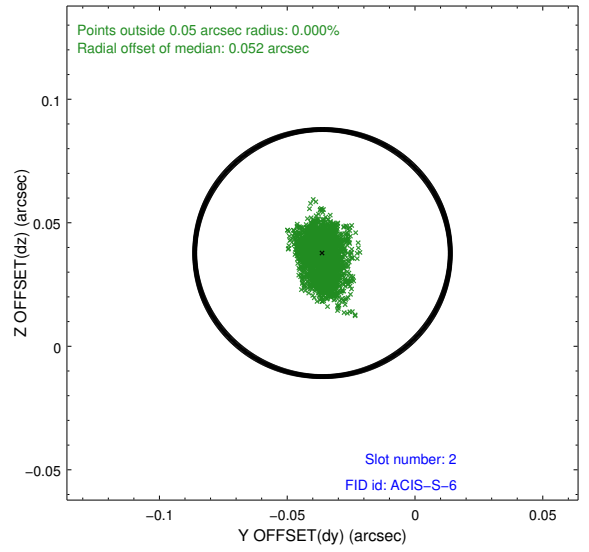
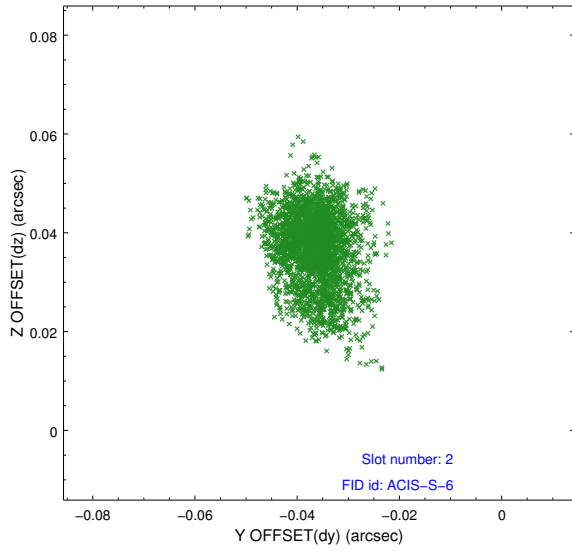
2.5.1 Slot 0



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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.62719

A.2 Comments