

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6363 - L2 Version 2
Chandra X-Ray Center

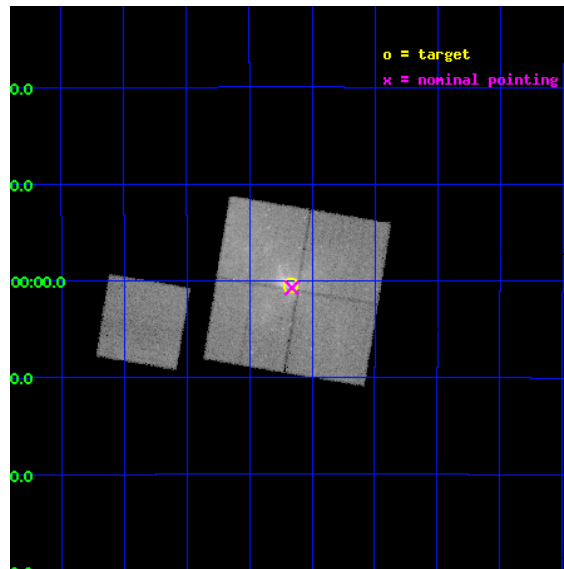
L2 Processing Date : Apr 5 2012

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1 Front

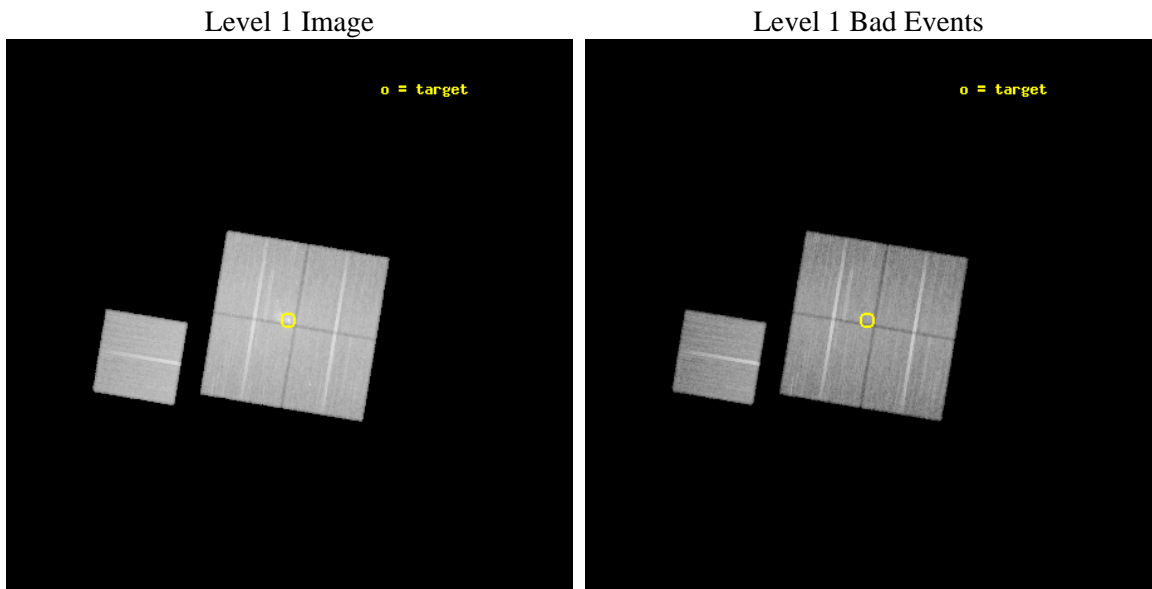
seq_num	600473	Sequence number
obs_id	6363	Observation id
title	Simultaneous Gamma-Ray to Sub-Millimeter Monitoring of Sagittarius A*	Proposal title
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41541854481	Nominal RA [deg]
dec_nom	-29.012306546076	Nominal Dec [deg]
roll_nom	279.46780227002	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30153.70023191	Sum of GTIs [s]
livetime	29759.719939549	Livetime [s]
ontime0	30153.70023191	Sum of GTIs [s]
ontime1	30153.70023191	Sum of GTIs [s]
ontime2	30153.70023191	Sum of GTIs [s]
ontime3	30153.70023191	Sum of GTIs [s]
ontime6	30153.70023191	Sum of GTIs [s]
l2events	260902	Number of level 2 events



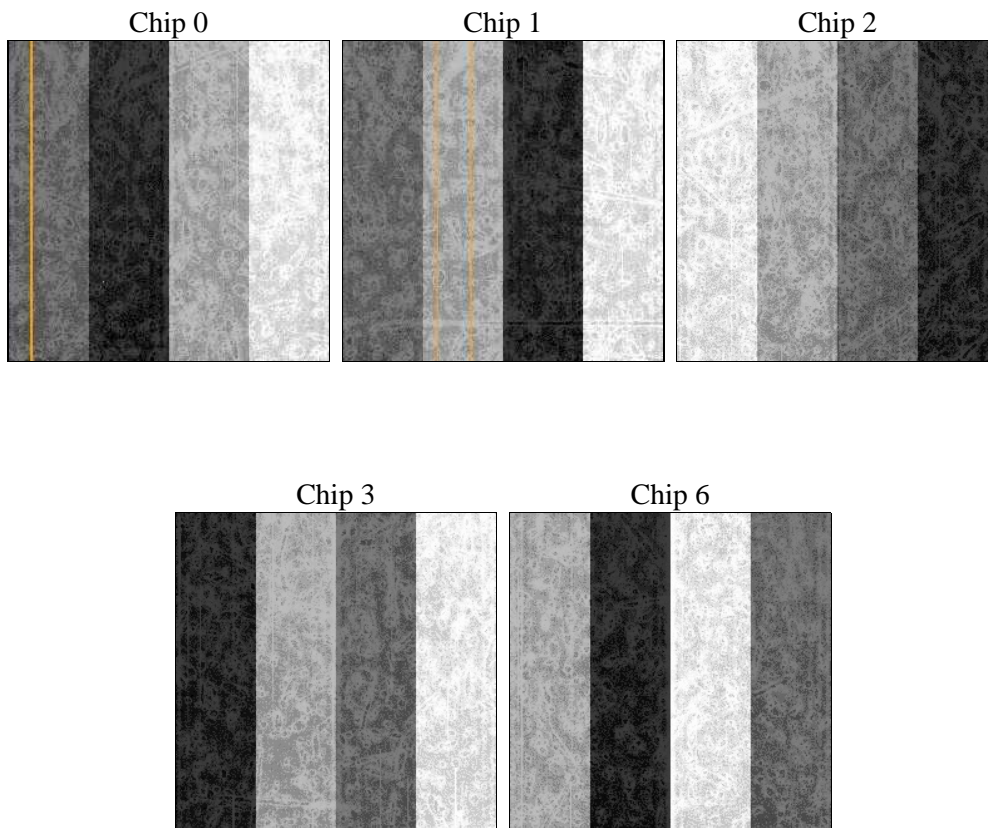
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29972.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	30153.70023191	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	30153.70023191	Sum of GTIs [s]
date	2012-04-05T11:56:56	Date and time of file creation	ontime1	30153.70023191	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30153.70023191	Sum of GTIs [s]
			ontime3	30153.70023191	Sum of GTIs [s]
			ontime6	30153.70023191	Sum of GTIs [s]
			l1events	1474290	Number of level 1 events

2.1.4 Events

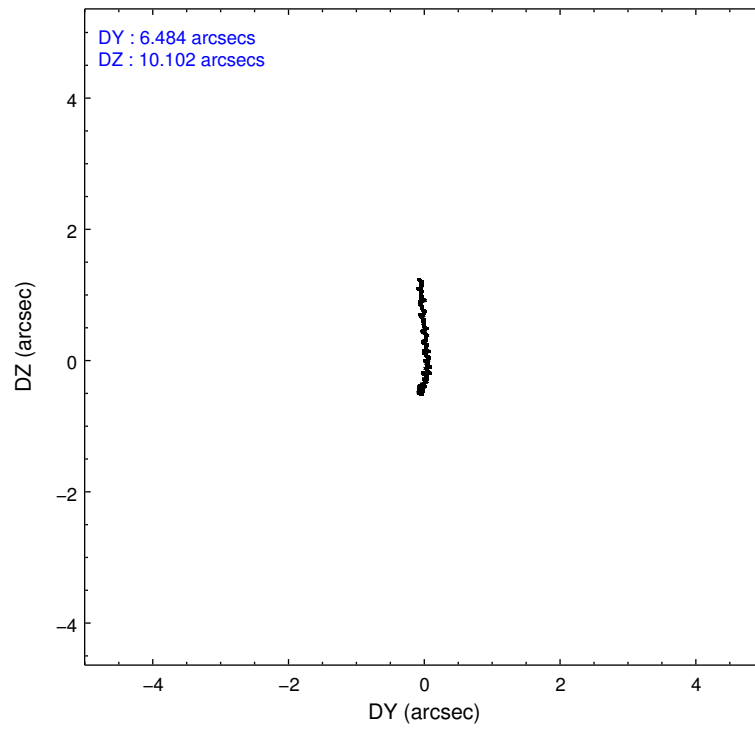
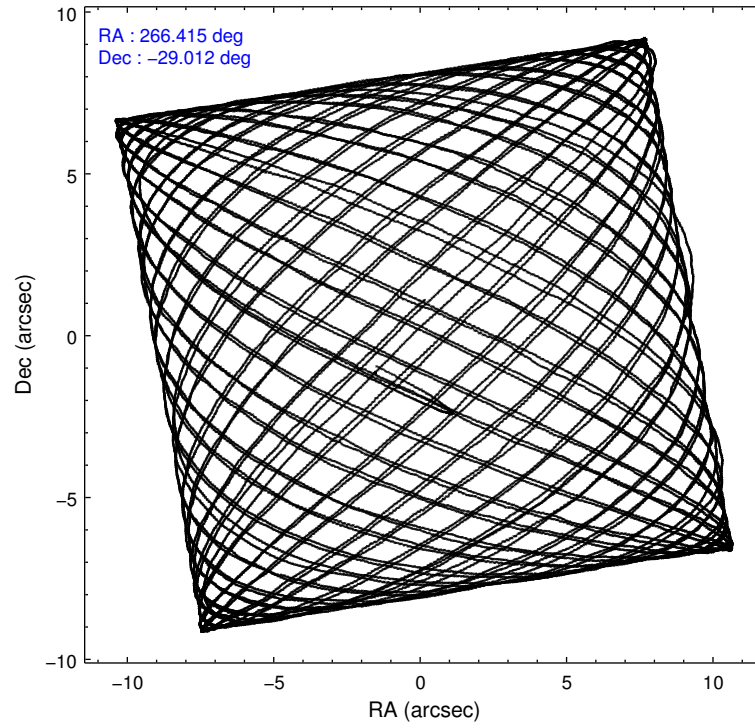
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	277764	275711	306064	334494	280257
rejected events	226223	221889	247840	246610	242538
rejected %	81%	80%	80%	73%	86%

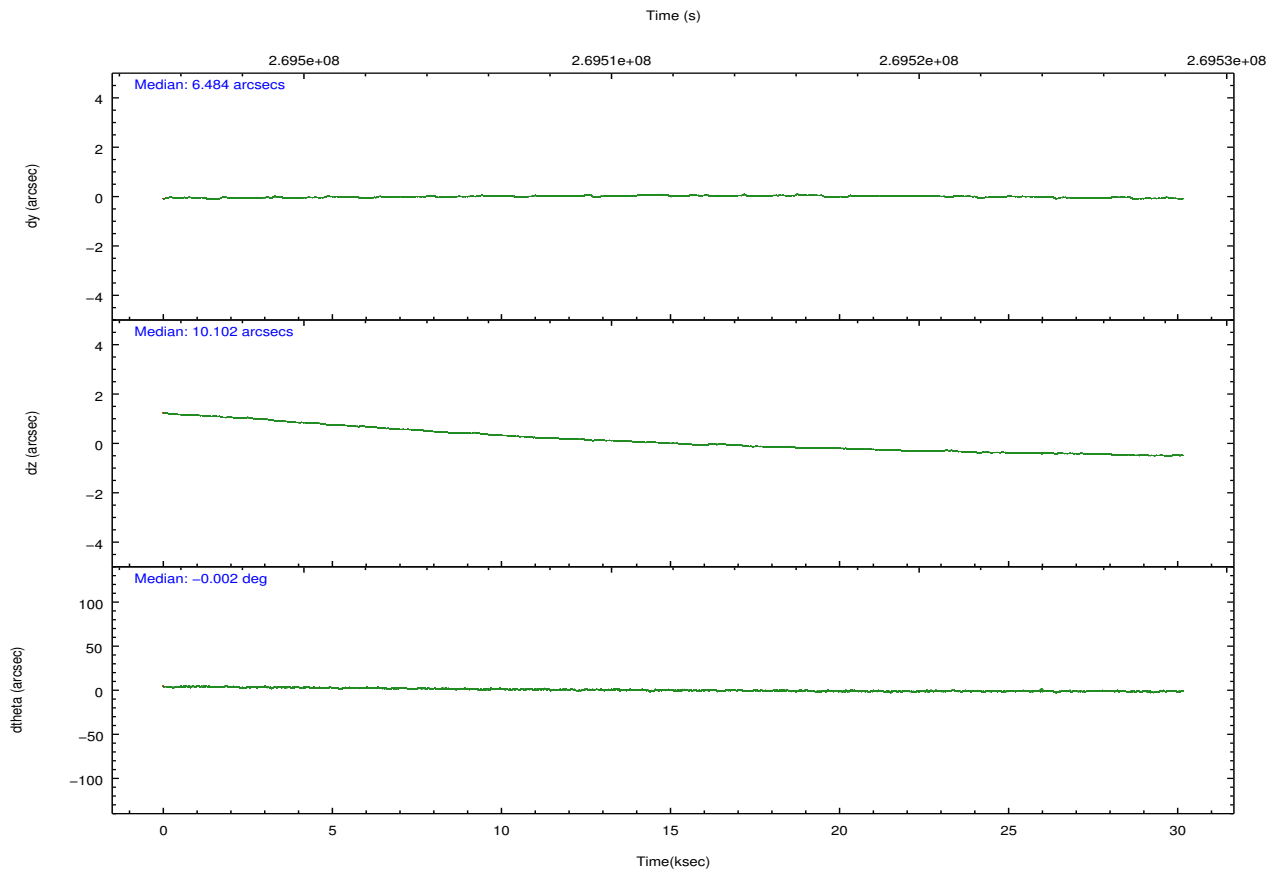
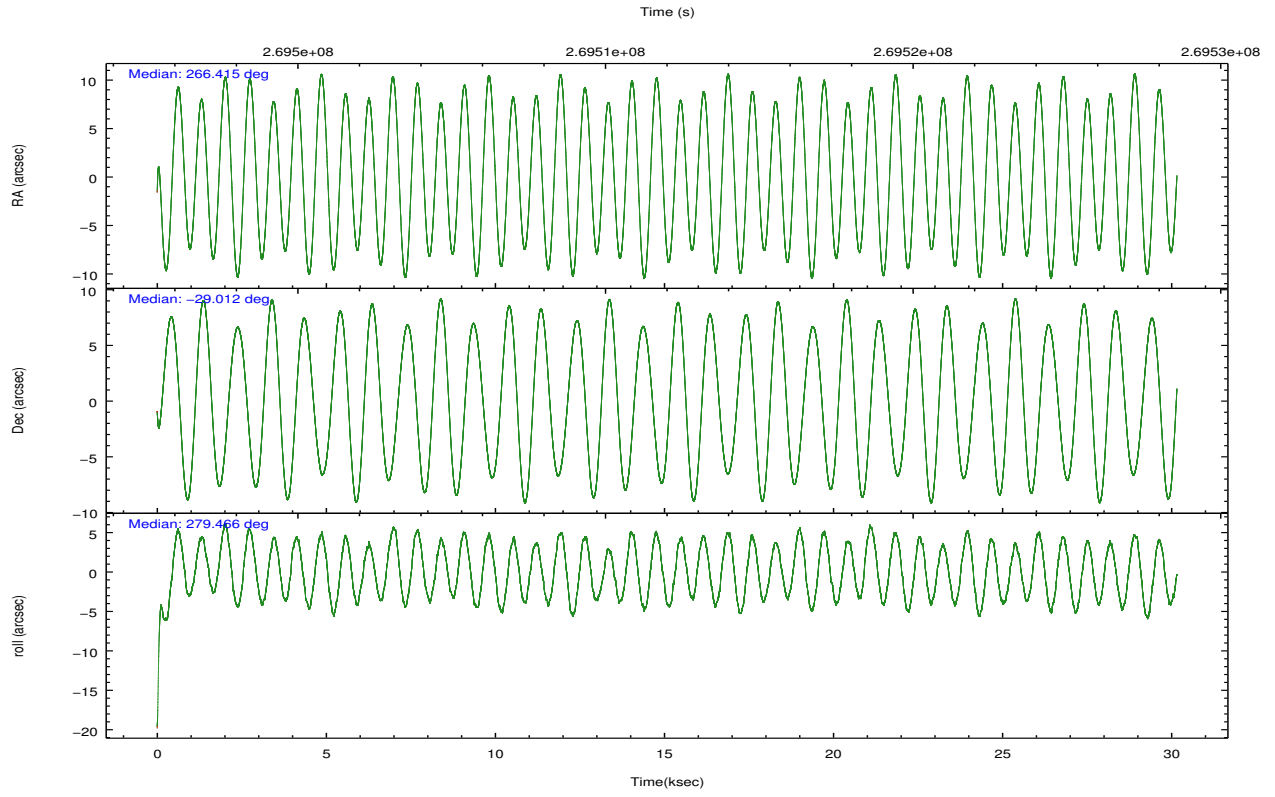
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	27228	26868	33044	53257	16888
	9%	9%	10%	15%	6%
grade 1 events	269	226	319	475	168
	0%	0%	0%	0%	0%
grade 2 events	9783	10714	10215	13934	7723
	3%	3%	3%	4%	2%
grade 3 events	4167	4326	4229	5855	3341
	1%	1%	1%	1%	1%
grade 4 events	3898	4291	4291	5822	3341
	1%	1%	1%	1%	1%
grade 5 events	10795	11900	10775	12943	12633
	3%	4%	3%	3%	4%
grade 6 events	7023	8194	7135	9738	6953
	2%	2%	2%	2%	2%
grade 7 events	214601	209192	236056	232470	229210
	77%	75%	77%	69%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.395437	266.4154185448058	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.991220	-29.0123065460759	Alternating exposures requested	N	N
[deg] Pointing Roll	279.249433	279.4678022700193	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	269497085.184000	269497085.184000			
[s] Window stop time (MET)	269527085.184000	269527085.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	269497111.184000	269495908.97198			
Observation start date	2006-07-17T04:17:26	2006-07-17T03:58:28			
[s] Observation end time (MET)	269527083.184000	269527386.21095			
Observation end date	2006-07-17T12:36:58	2006-07-17T12:43:06			
Read mode	TIMED	TIMED			

2.3 Aspect



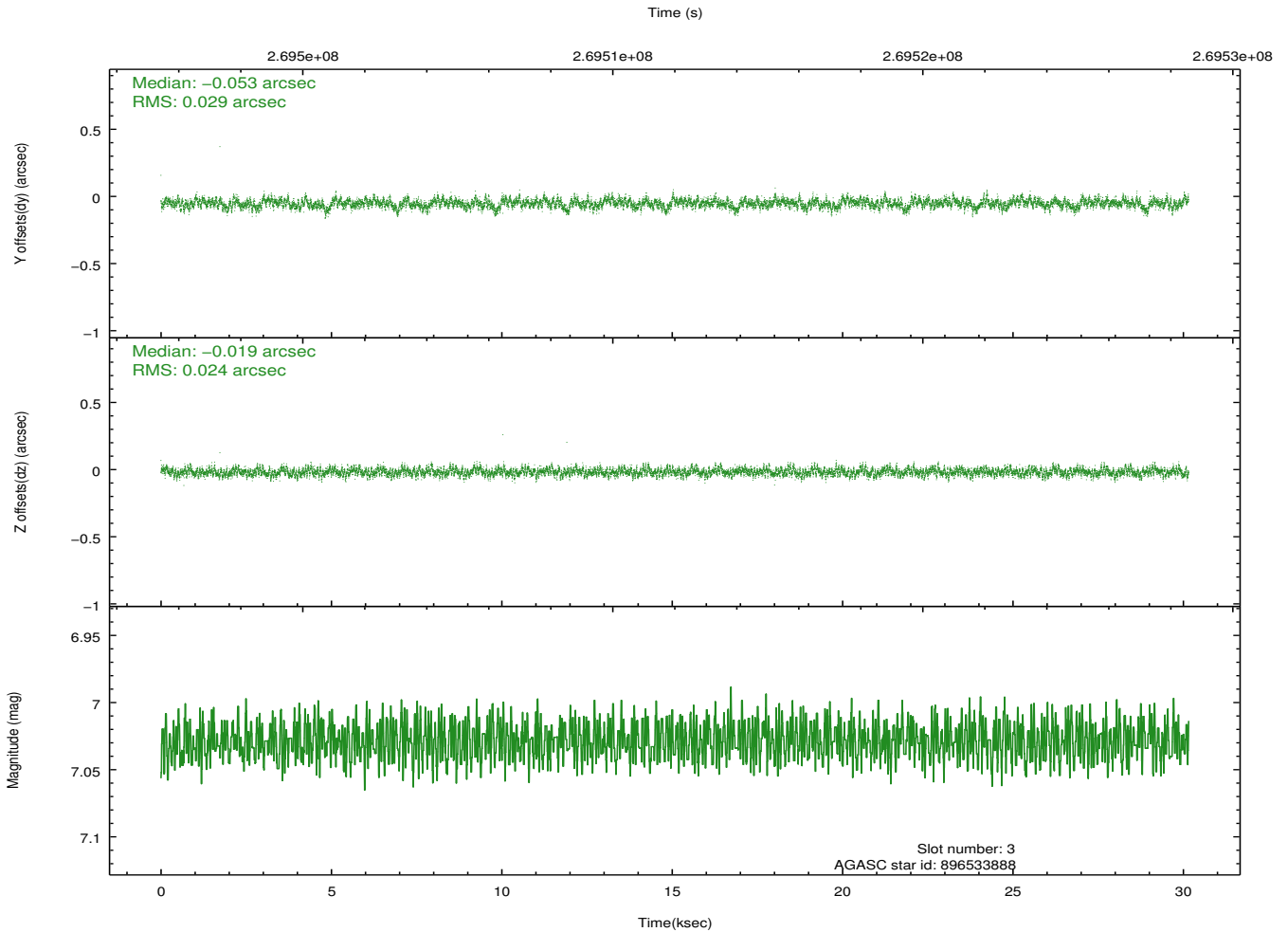
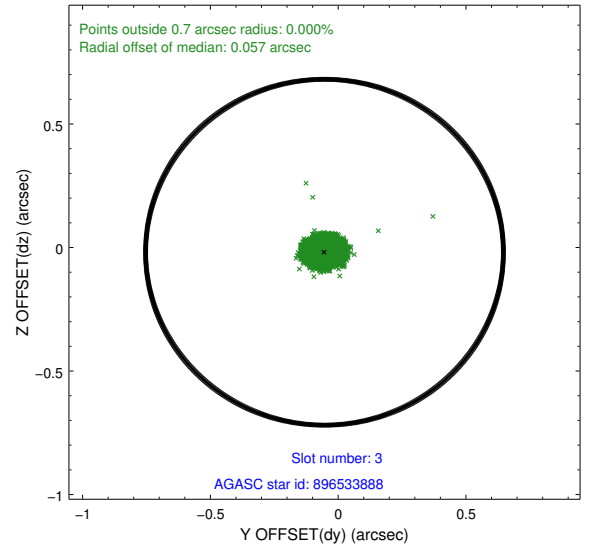
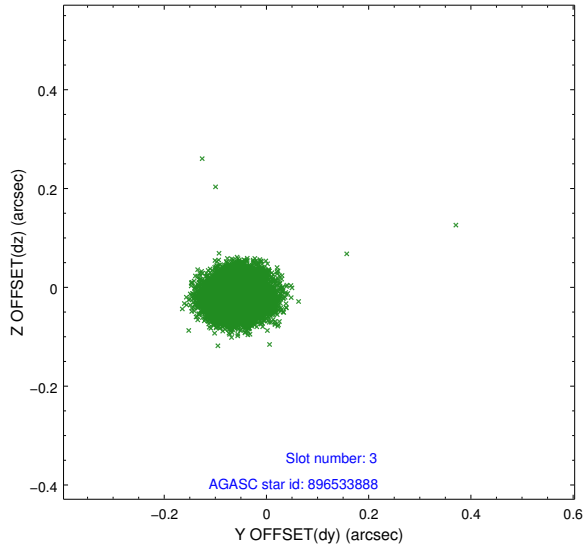


Slot Statistics

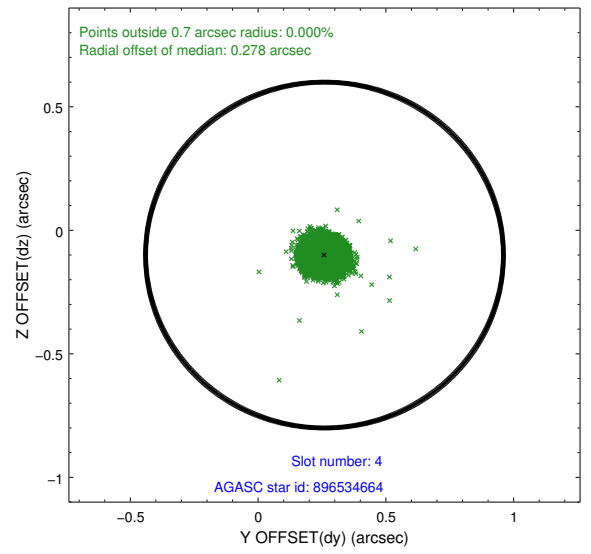
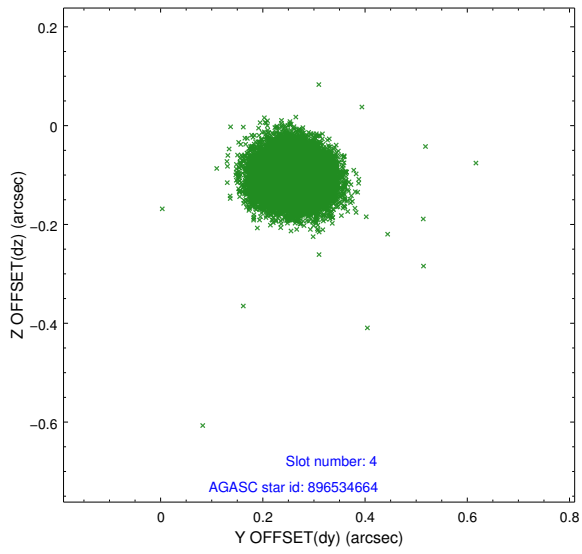
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7357	0.018	-0.022	0.022	0.050	0.000000	0.000000	933.24	-833.75
1	FID	ACIS-I-5	7.23	7355	-0.154	0.034	0.010	0.023	0.000000	0.000000	-1815.01	1063.77
2	FID	ACIS-I-6	7.25	7357	0.044	0.061	0.017	0.030	0.000000	0.000000	398.72	1708.38
3	GUIDE	896533888	7.03	14706	-0.053	-0.019	0.040	0.065	266.666434	-29.392757	1564.45	606.61
4	GUIDE	896534664	8.19	14707	0.260	-0.100	0.054	0.086	266.405570	-28.407461	-2068.51	369.47
5	GUIDE	896541360	7.71	14712	0.010	0.048	0.046	0.075	266.684478	-29.453744	1790.21	626.73
6	GUIDE	896541576	8.20	14648	-0.087	0.012	0.067	0.107	267.051055	-28.762912	-472.84	2173.50
7	GUIDE	896404568	7.85	14708	-0.126	0.058	0.050	0.081	265.687293	-28.431080	-2344.03	-1889.49

2.4 Star Slots

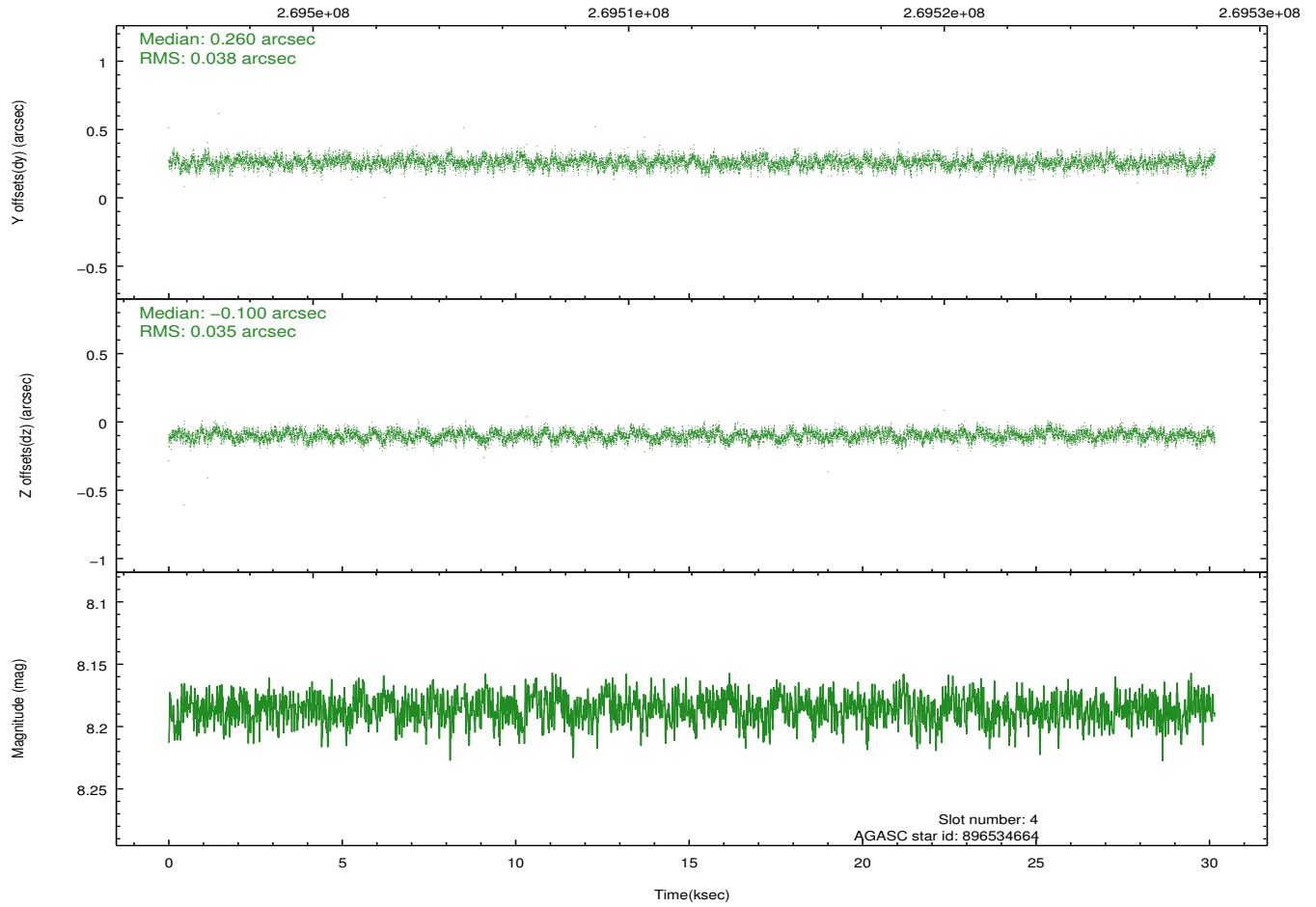
2.4.1 Slot 3



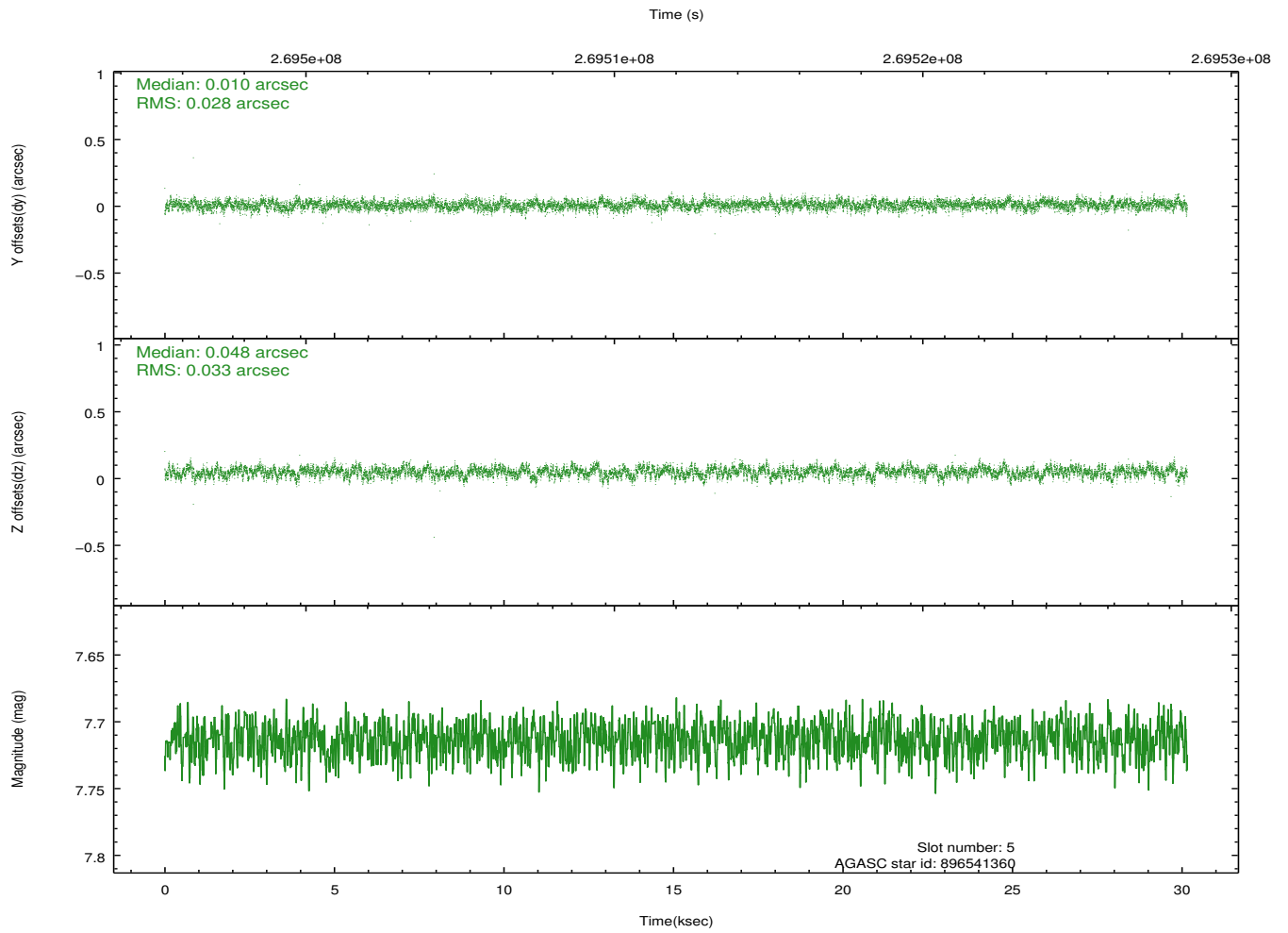
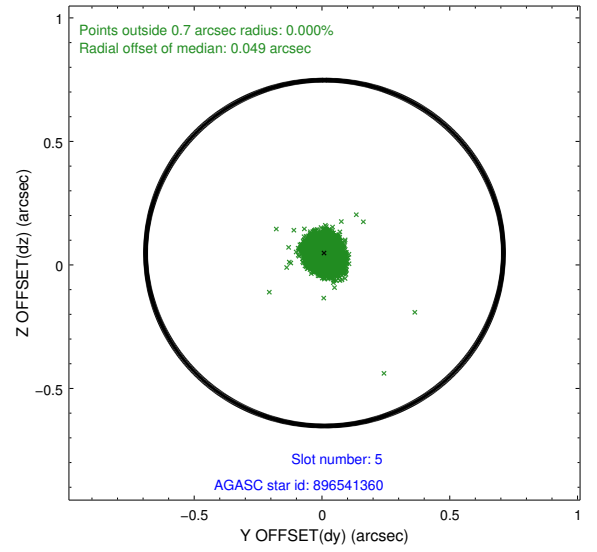
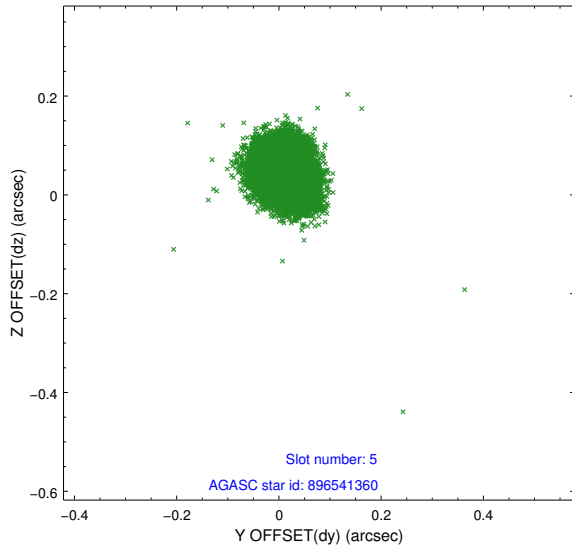
2.4.2 Slot 4



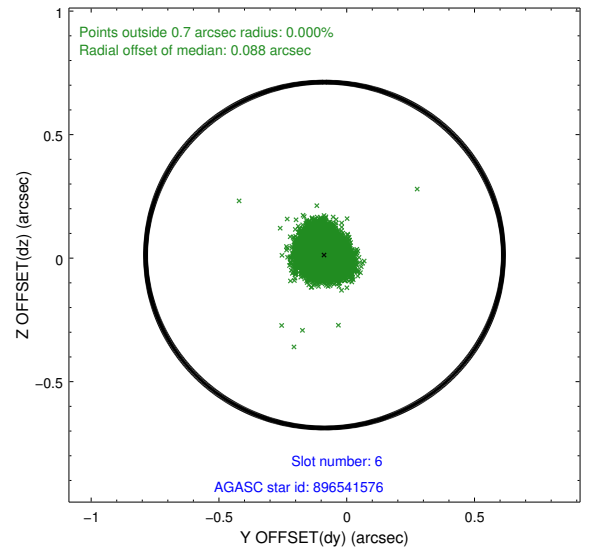
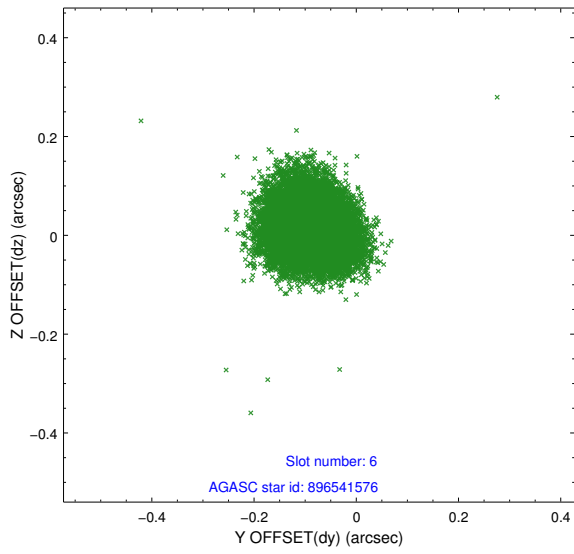
Time (s)



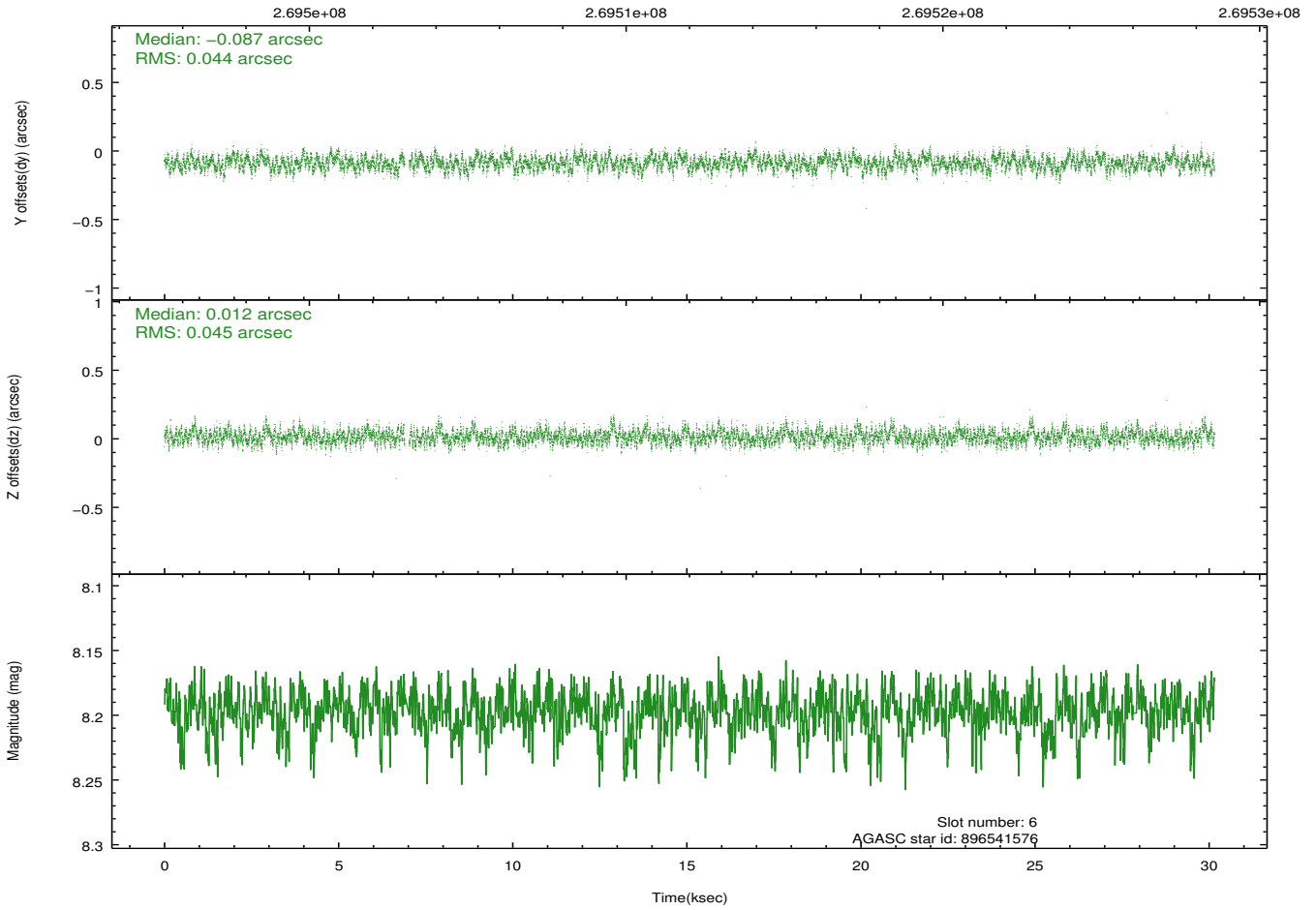
2.4.3 Slot 5



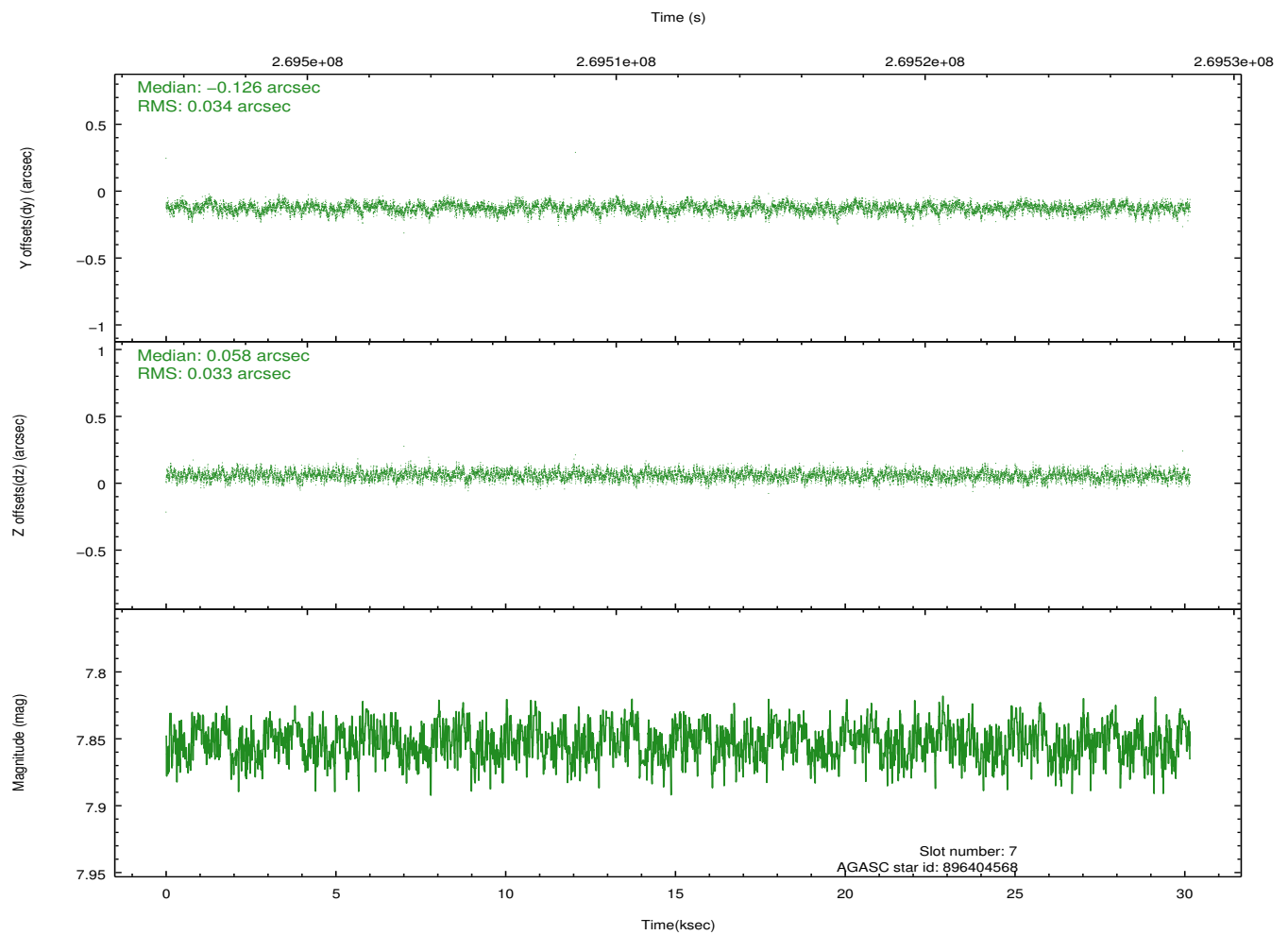
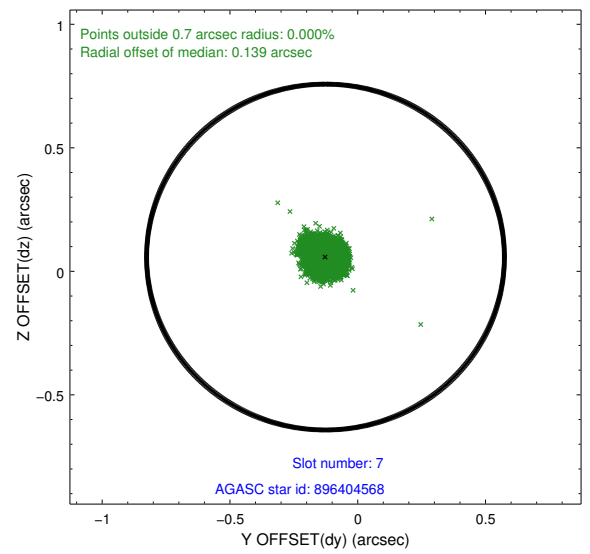
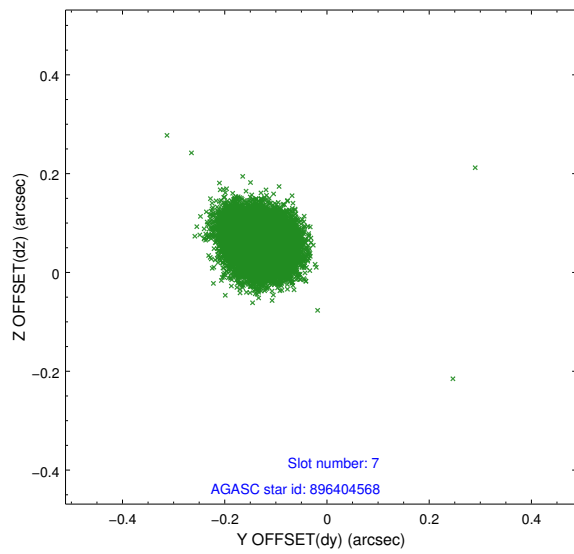
2.4.4 Slot 6



Time (s)

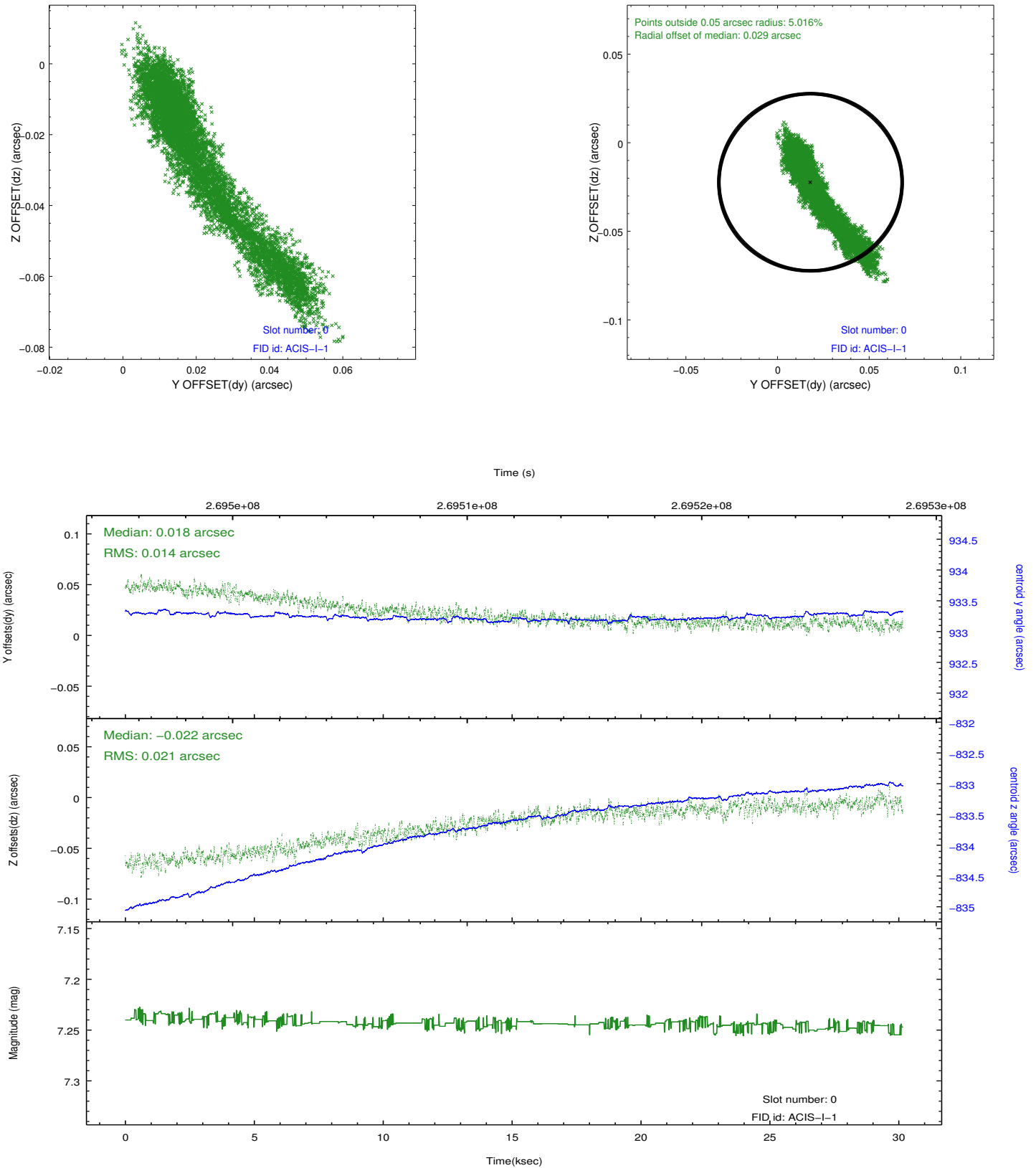


2.4.5 Slot 7

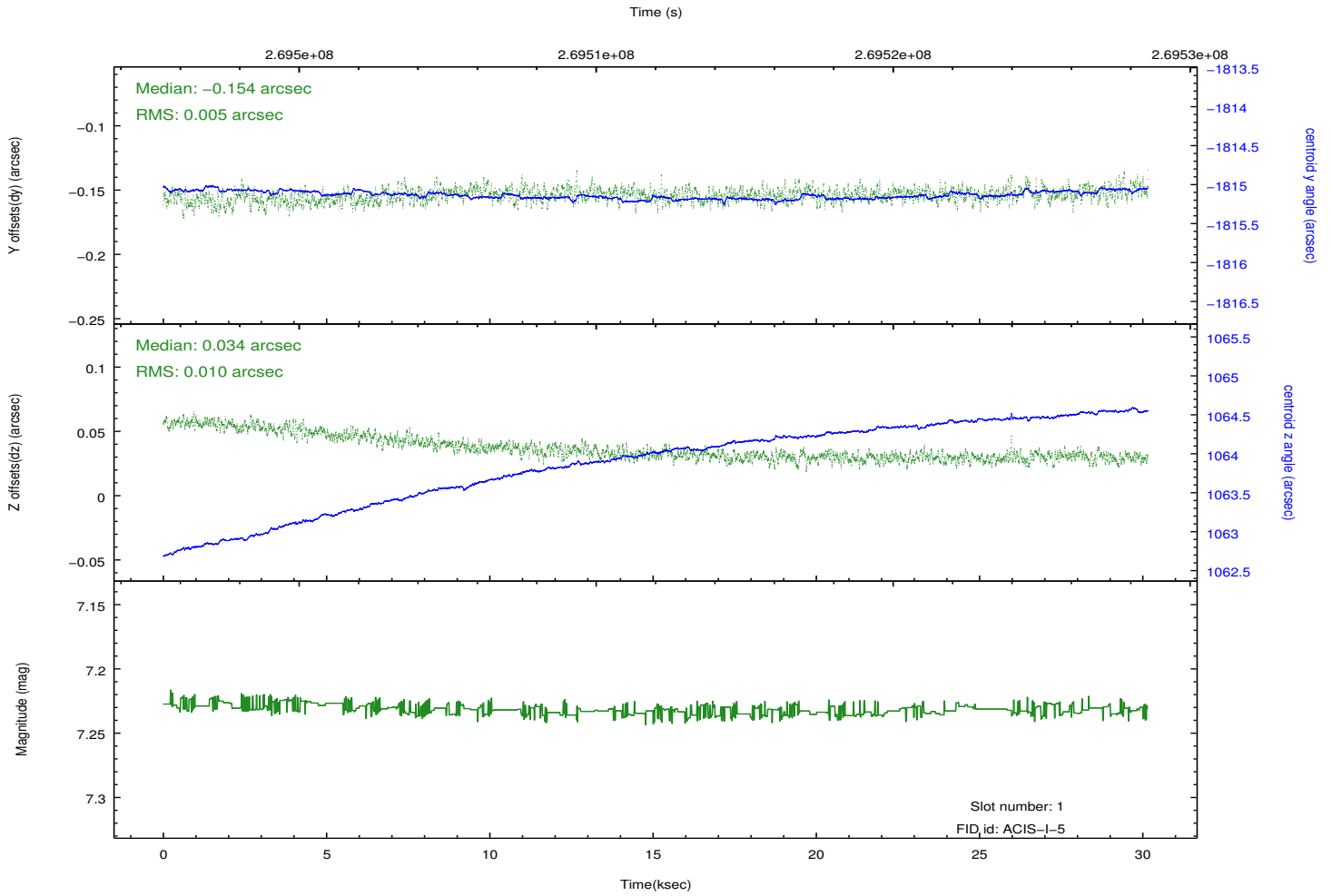
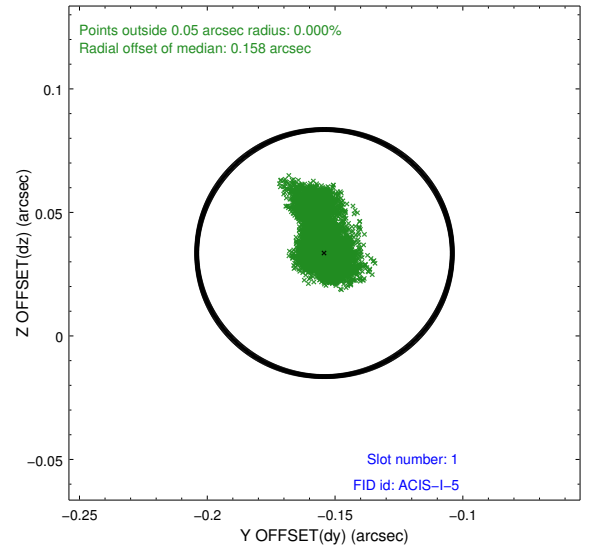
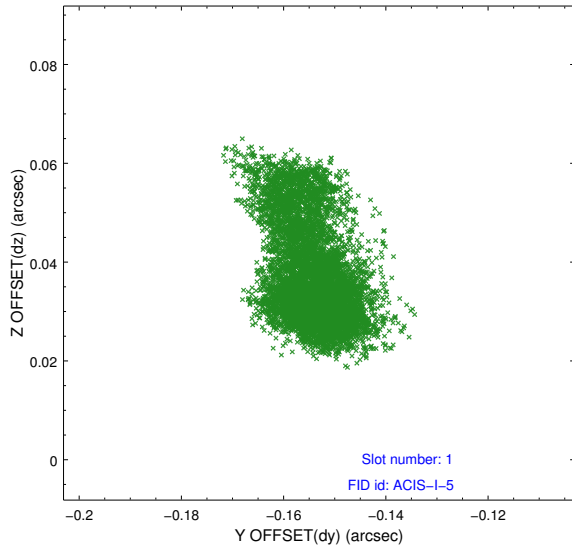


2.5 FID Slots

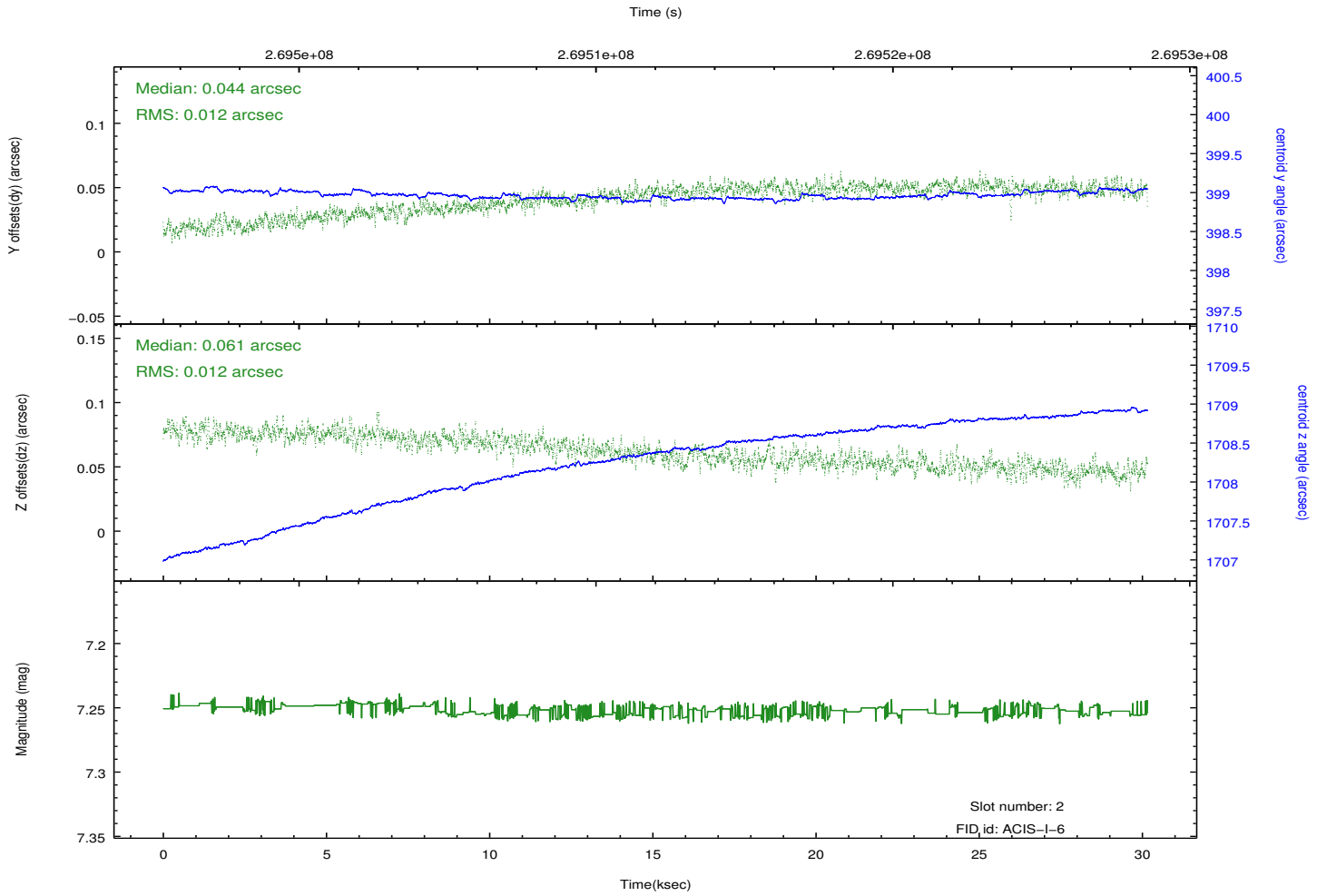
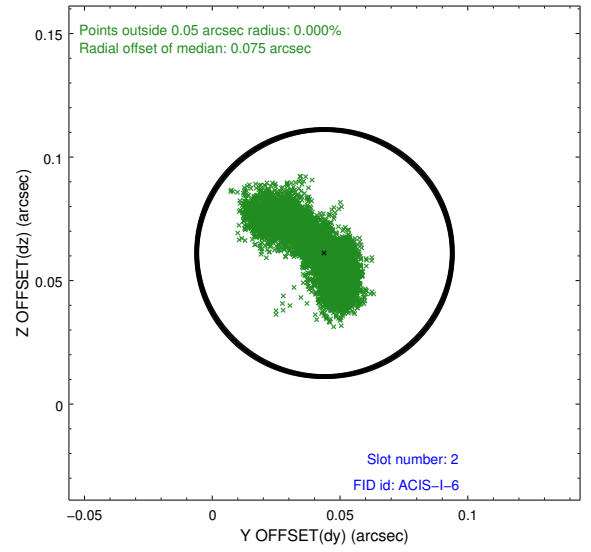
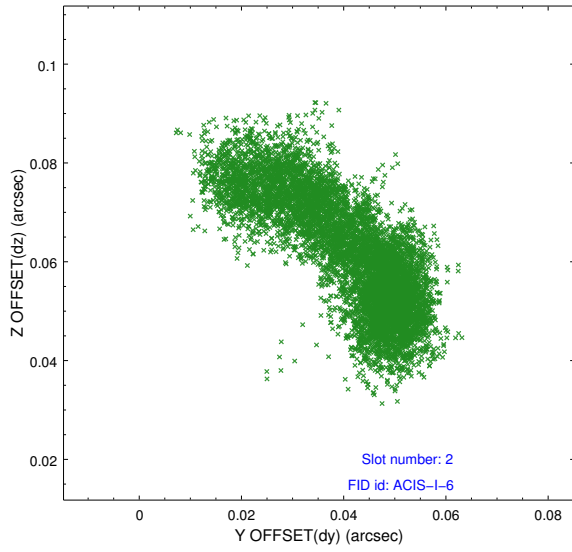
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.1537002

A.2 Comments

Coordinated observing constraints met.