

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3099 - L2 Version 3
Chandra X-Ray Center

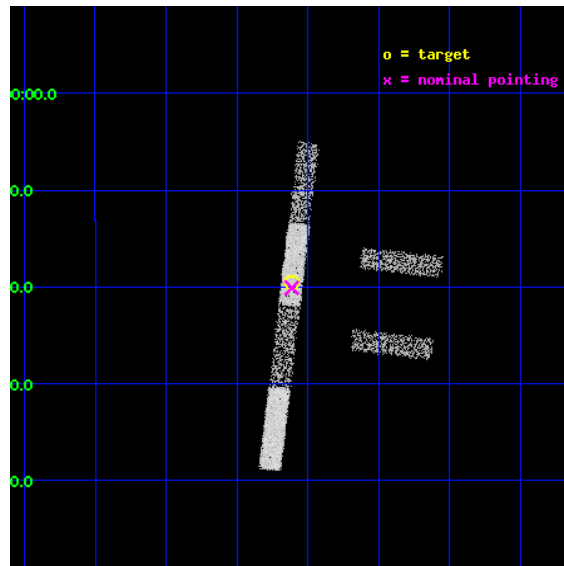
L2 Processing Date : Oct 4 2012

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1 Front

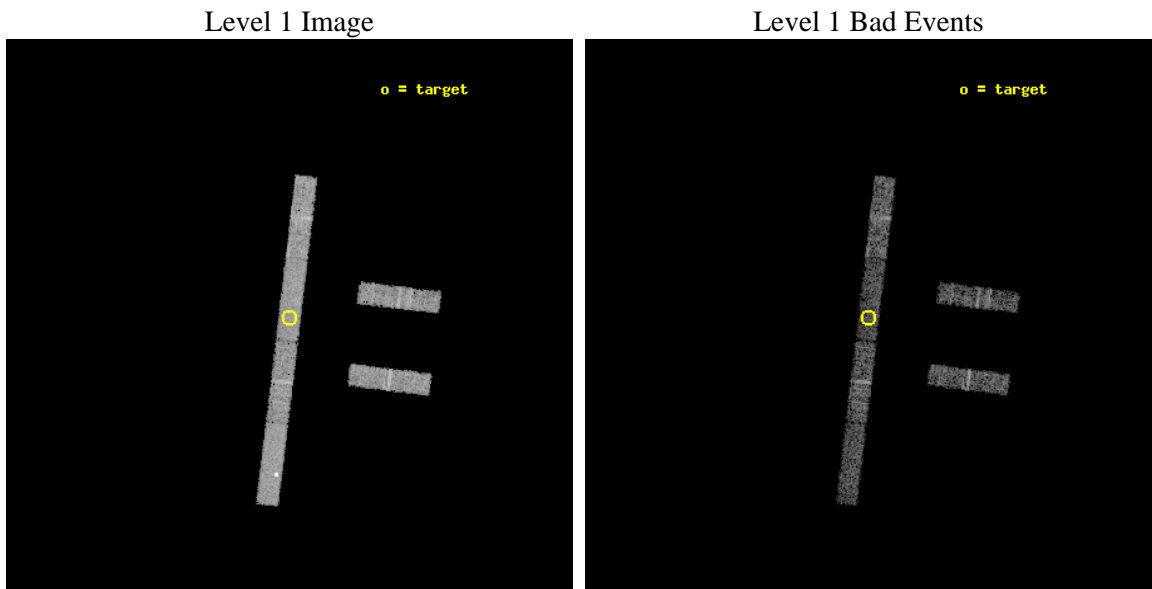
seq_num	700538	Sequence number
obs_id	3099	Observation id
title	X-RAY IMAGING OF GPS AND CSS QUASARS	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	Q0941-080	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	145.90375	Observer's specified target RA [deg]
dec_targ	-8.325278	Observer's specified target Dec [deg]
ra_nom	145.90320564124	Nominal RA [deg]
dec_nom	-8.3349993022578	Nominal Dec [deg]
roll_nom	276.86391791047	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5551.5856929421	Sum of GTIs [s]
livetime	5351.9107675772	Livetime [s]
ontime2	5551.6267329454	Sum of GTIs [s]
ontime3	5551.4625729471	Sum of GTIs [s]
ontime5	5551.5446529388	Sum of GTIs [s]
ontime6	5551.5036129504	Sum of GTIs [s]
ontime7	5551.5856929421	Sum of GTIs [s]
ontime8	5551.4215329438	Sum of GTIs [s]
l2events	14105	Number of level 2 events



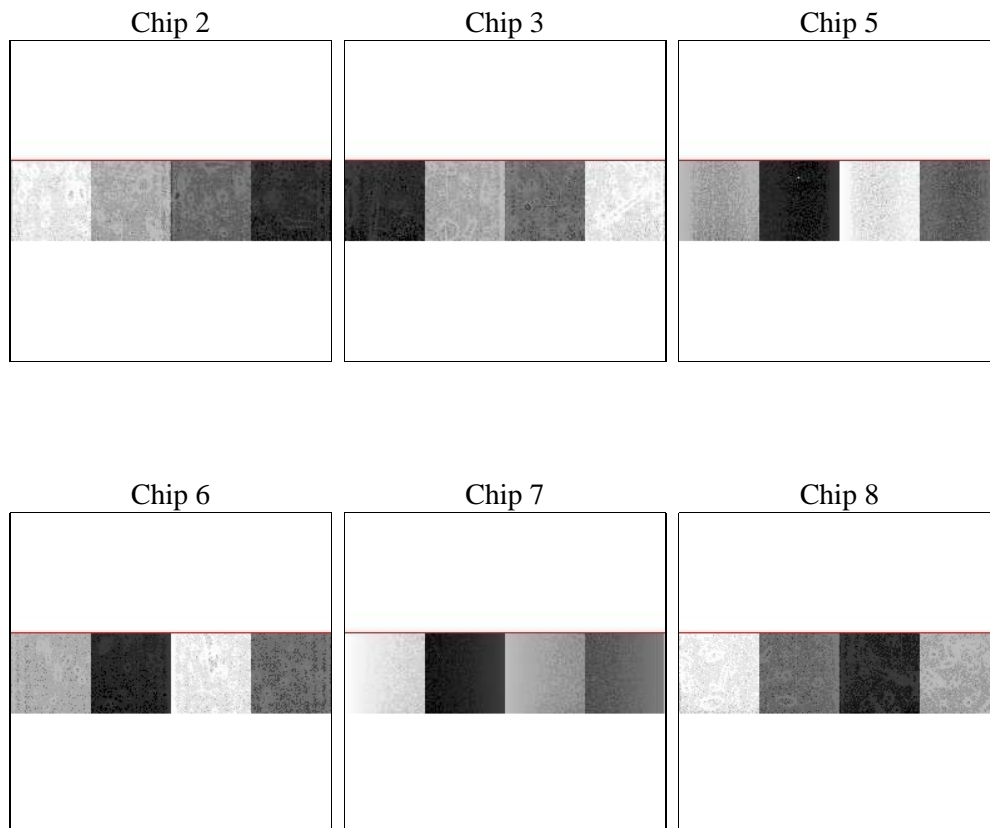
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5551.5856929421	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5551.6267329454	Sum of GTIs [s]
date	2012-10-04T13:29:31	Date and time of file creation	ontime3	5551.4625729471	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5551.5446529388	Sum of GTIs [s]
			ontime6	5551.5036129504	Sum of GTIs [s]
			ontime7	5551.5856929421	Sum of GTIs [s]
			ontime8	5551.4215329438	Sum of GTIs [s]
			l1events	69788	Number of level 1 events

2.1.4 Events

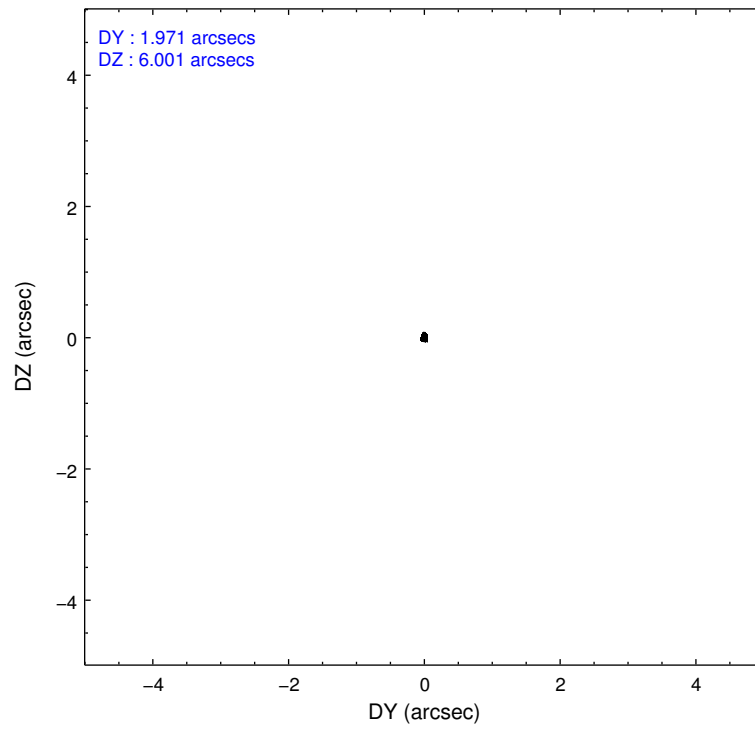
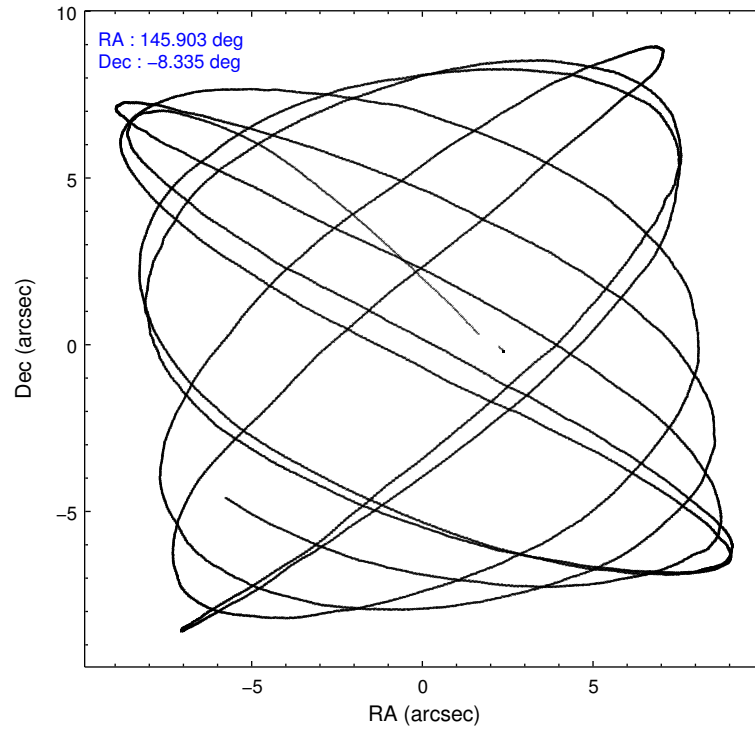
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10632	9536	14840	10367	11522	12891
rejected events	9522	8453	6582	9246	6558	10576
rejected %	89%	88%	44%	89%	56%	82%

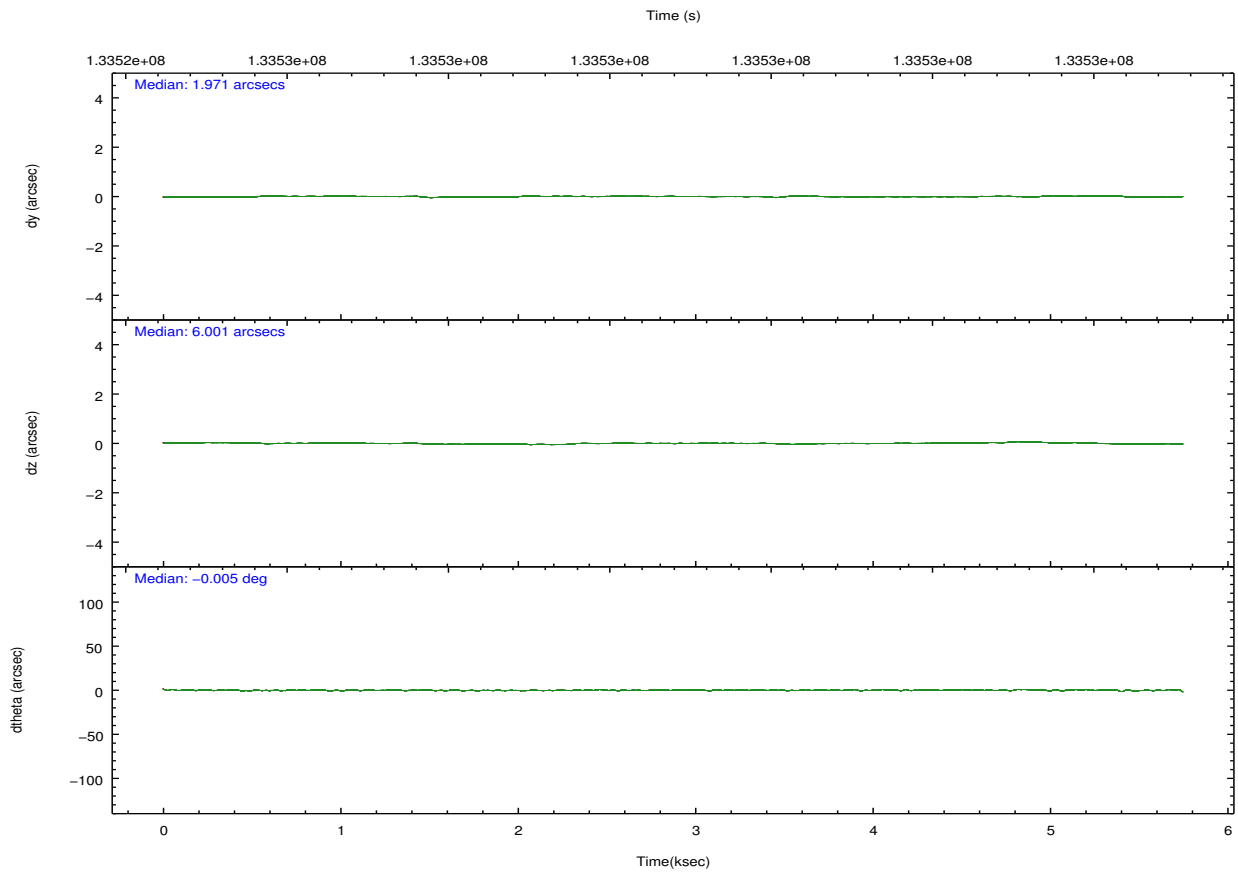
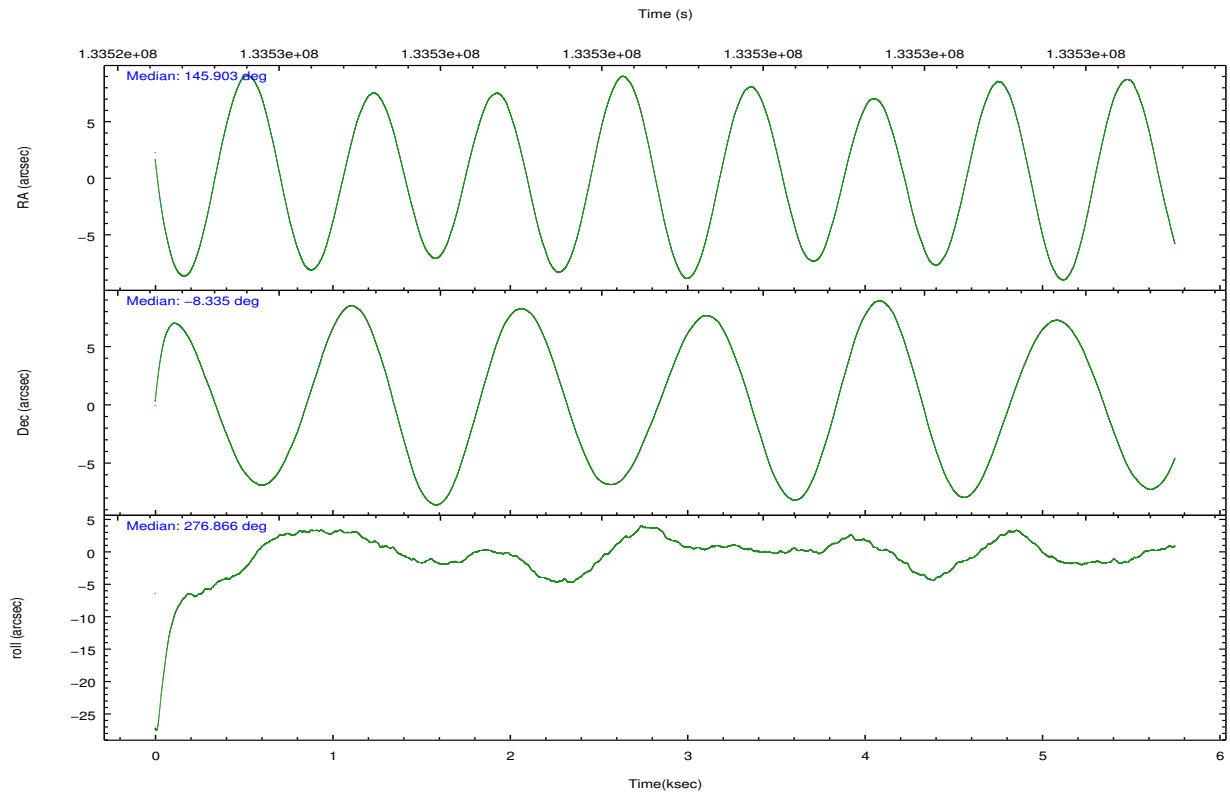
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	431	399	3020	387	507	726
	4%	4%	20%	3%	4%	5%
grade 1 events	5	6	13	3	15	5
	0%	0%	0%	0%	0%	0%
grade 2 events	204	191	1589	220	993	419
	1%	2%	10%	2%	8%	3%
grade 3 events	152	148	370	151	484	274
	1%	1%	2%	1%	4%	2%
grade 4 events	148	130	392	162	517	278
	1%	1%	2%	1%	4%	2%
grade 5 events	371	345	1033	382	1115	493
	3%	3%	6%	3%	9%	3%
grade 6 events	176	216	2890	201	2463	618
	1%	2%	19%	1%	21%	4%
grade 7 events	9145	8101	5533	8861	5428	10078
	86%	84%	37%	85%	47%	78%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	145.886397	145.9032056412366	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-8.313367	-8.334999302257801	Subarray start row	385	385
[deg] Pointing Roll	276.704887	276.8639179104723	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	133526266.184000	133525027.16873			
Observation start date	2002-03-26T10:36:42	2002-03-26T10:17:07			
[s] Observation end time (MET)	133531266.184000	133532101.20651			
Observation end date	2002-03-26T12:00:02	2002-03-26T12:15:01			
Read mode	TIMED	TIMED			

2.3 Aspect



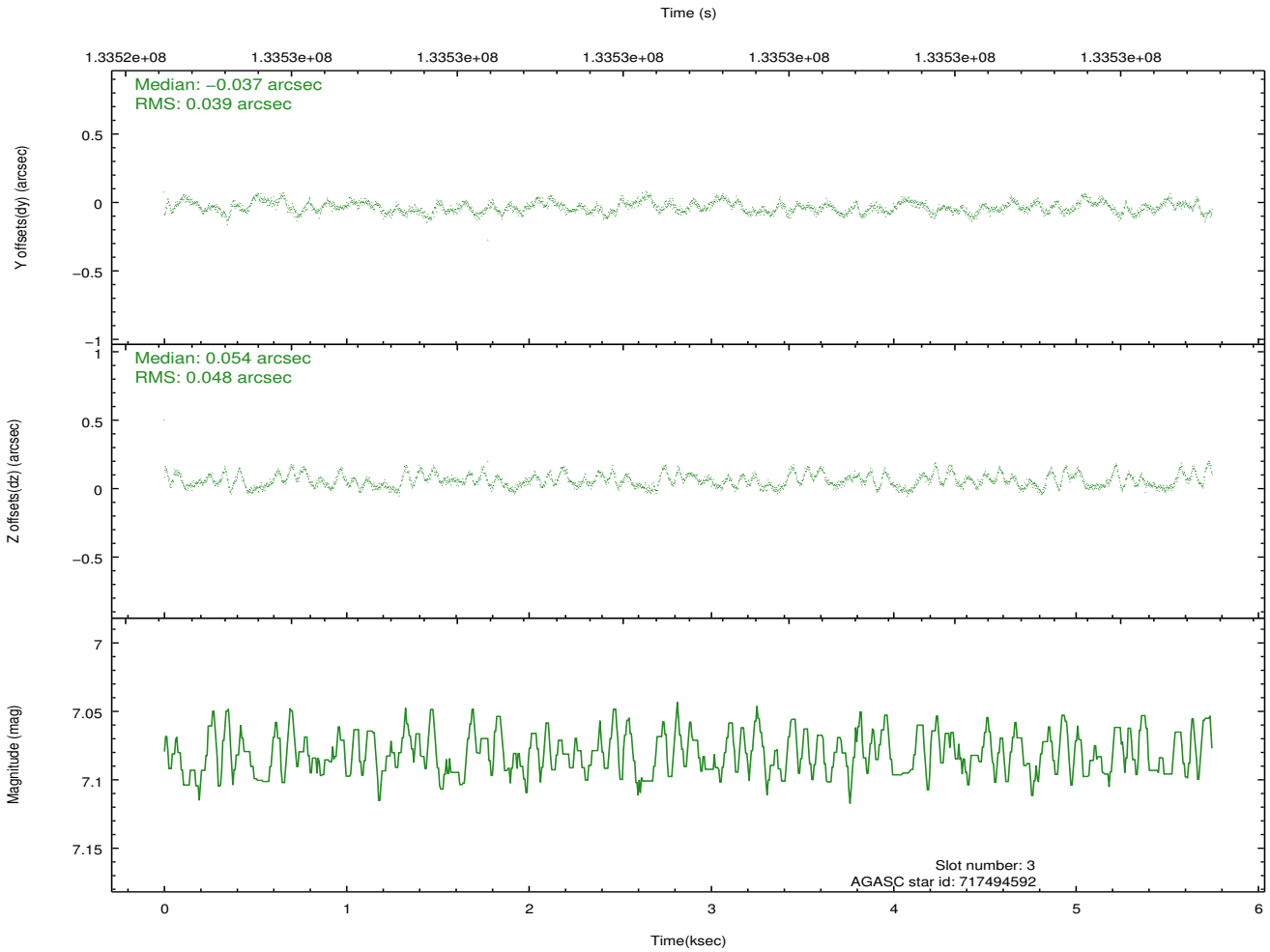
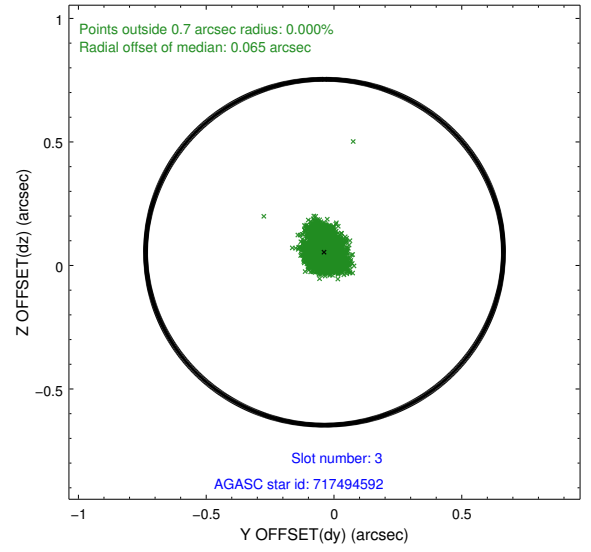
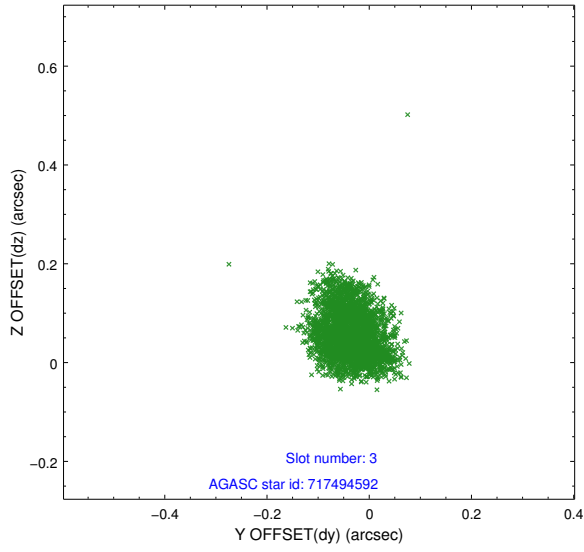


Slot Statistics

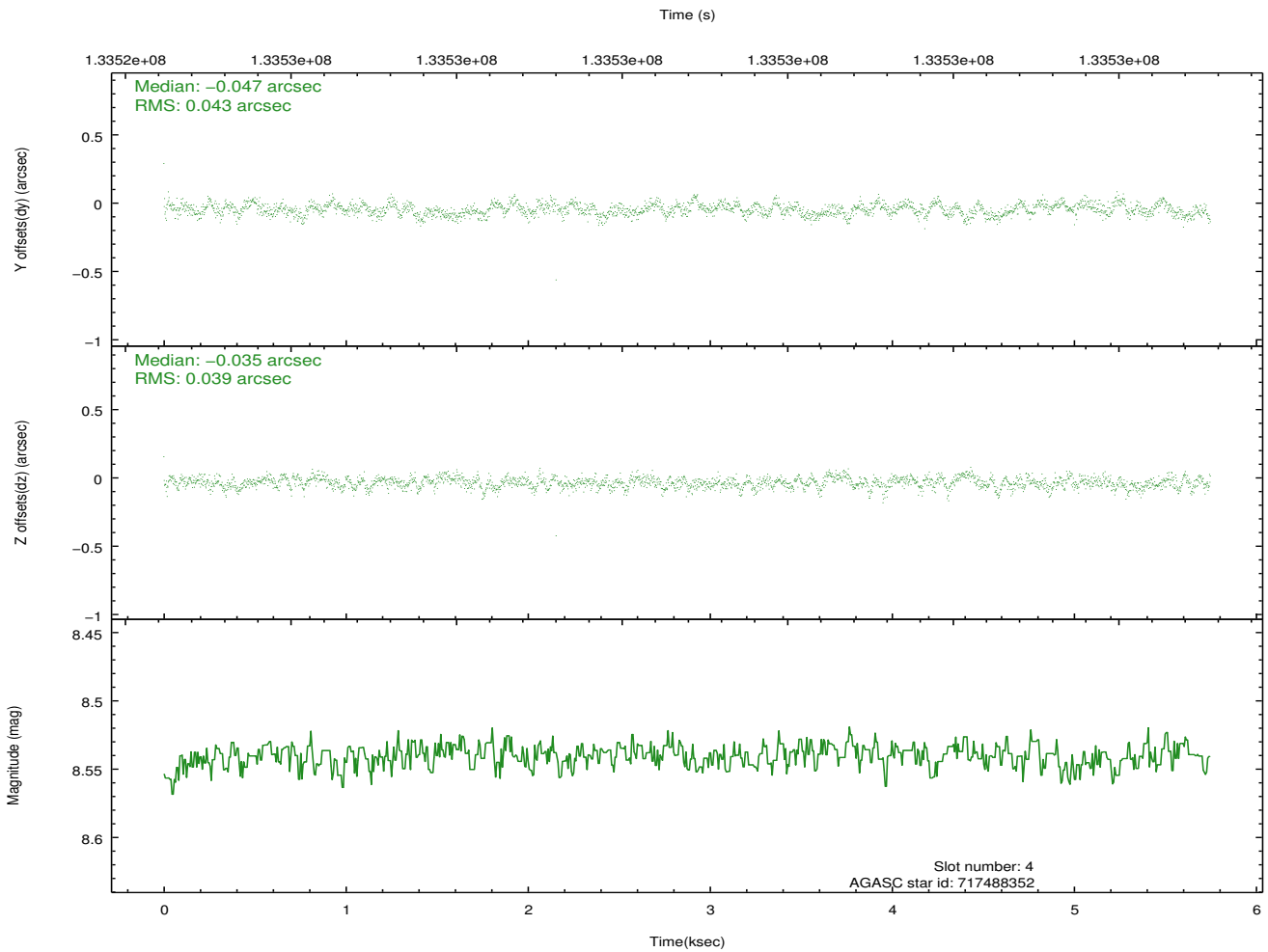
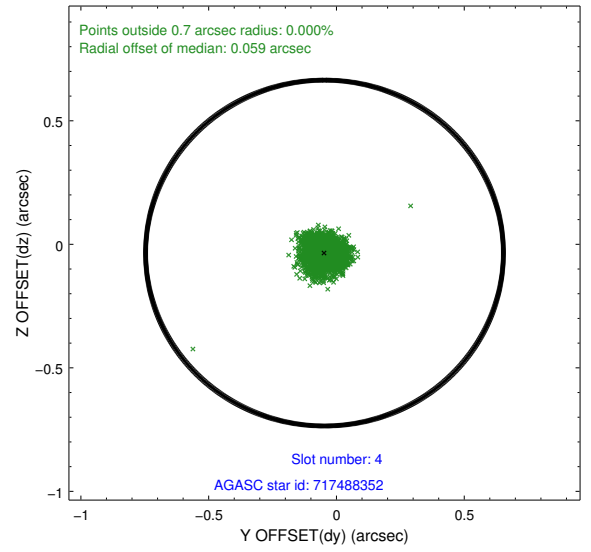
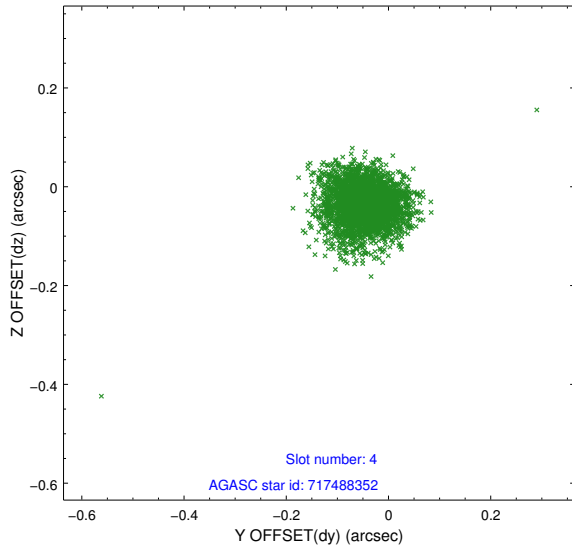
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1403	-0.050	0.003	0.006	0.010	0.000000	0.000000	-754.59	-1727.15
1	FID	ACIS-S-4	7.20	1403	-0.015	0.023	0.005	0.009	0.000000	0.000000	2158.21	180.35
2	FID	ACIS-S-5	7.24	1403	0.035	-0.018	0.007	0.011	0.000000	0.000000	-1806.06	175.07
3	GUIDE	717494592	7.08	2804	-0.037	0.054	0.066	0.102	146.355415	-8.482527	801.01	1587.74
4	GUIDE	717488352	8.54	2802	-0.047	-0.035	0.060	0.099	145.550658	-7.770537	-2079.42	-960.81
5	GUIDE	717490496	8.92	2804	-0.050	0.061	0.070	0.114	146.301171	-7.943760	-1148.69	1624.14
6	GUIDE	717491696	9.21	2804	0.015	-0.015	0.089	0.143	145.581622	-7.884038	-1661.77	-898.14
7	GUIDE	717493240	9.46	2801	0.118	-0.072	0.076	0.125	146.060175	-8.796570	1799.65	410.82

2.4 Star Slots

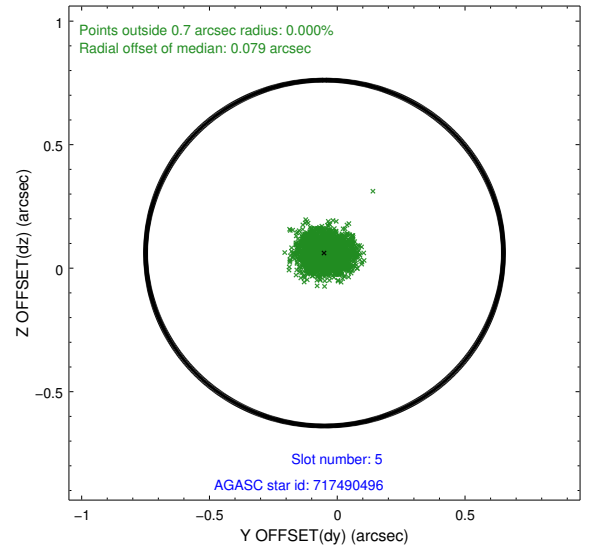
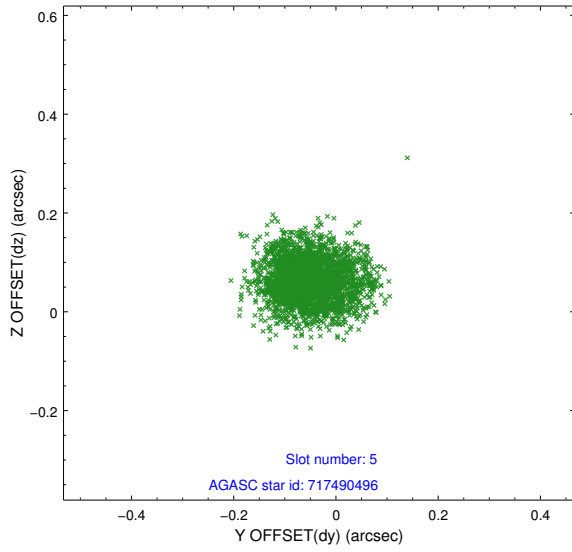
2.4.1 Slot 3



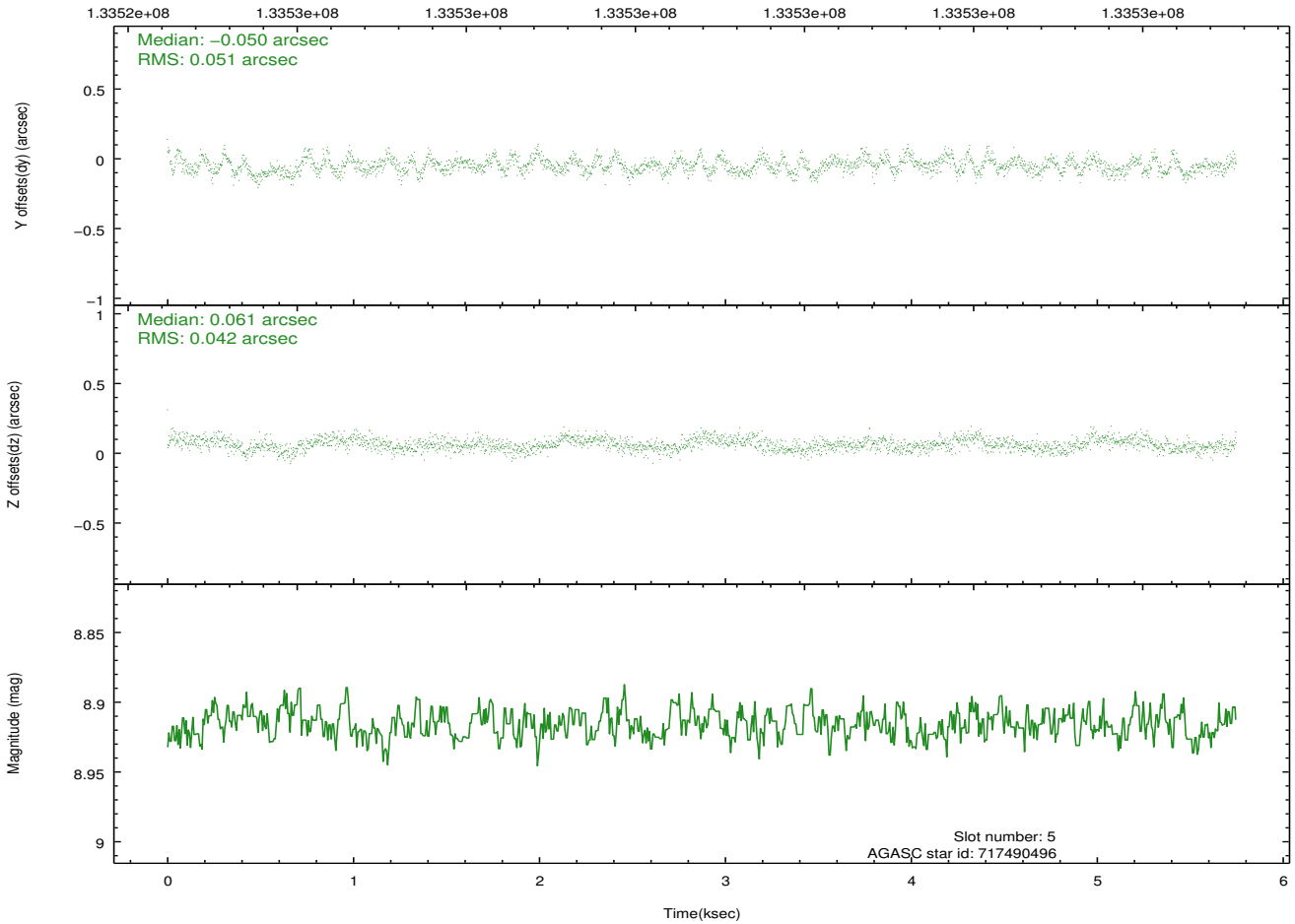
2.4.2 Slot 4



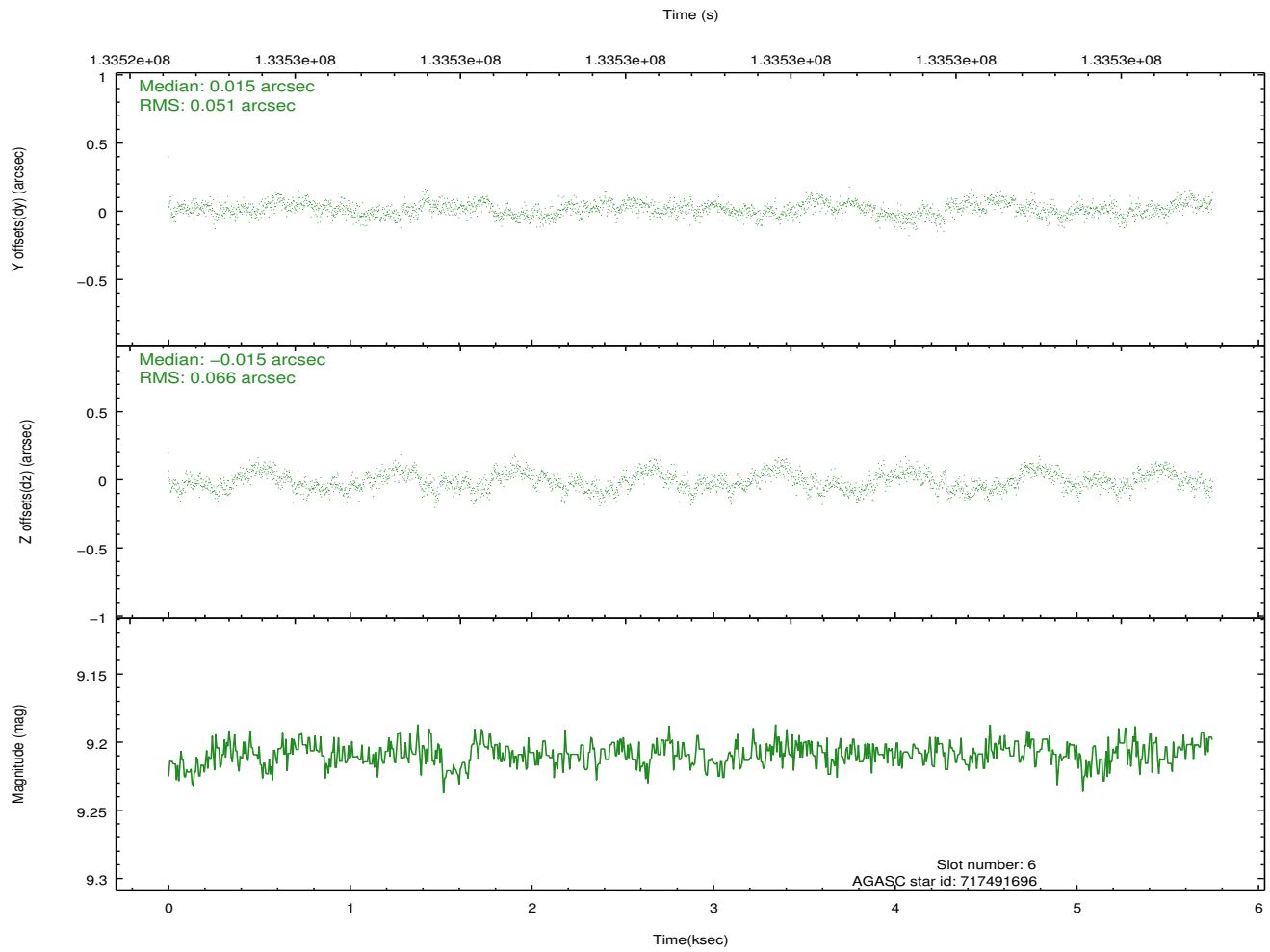
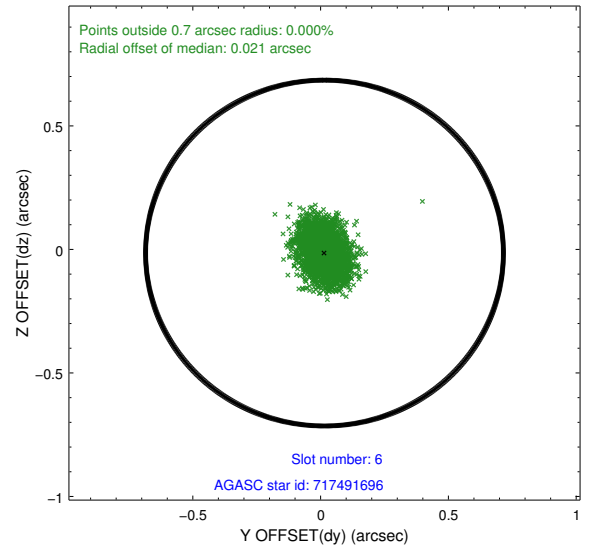
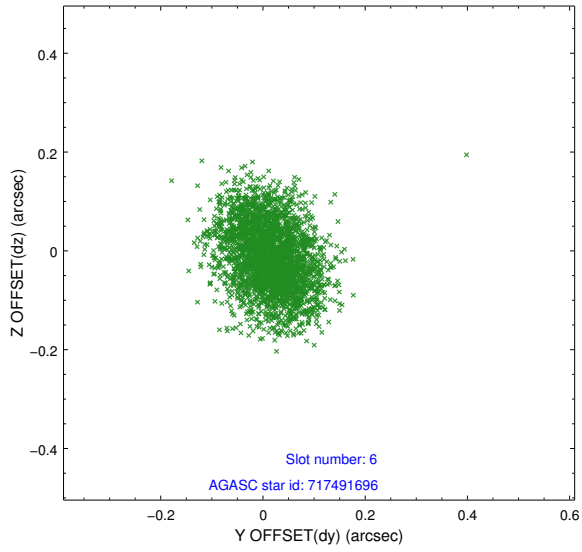
2.4.3 Slot 5



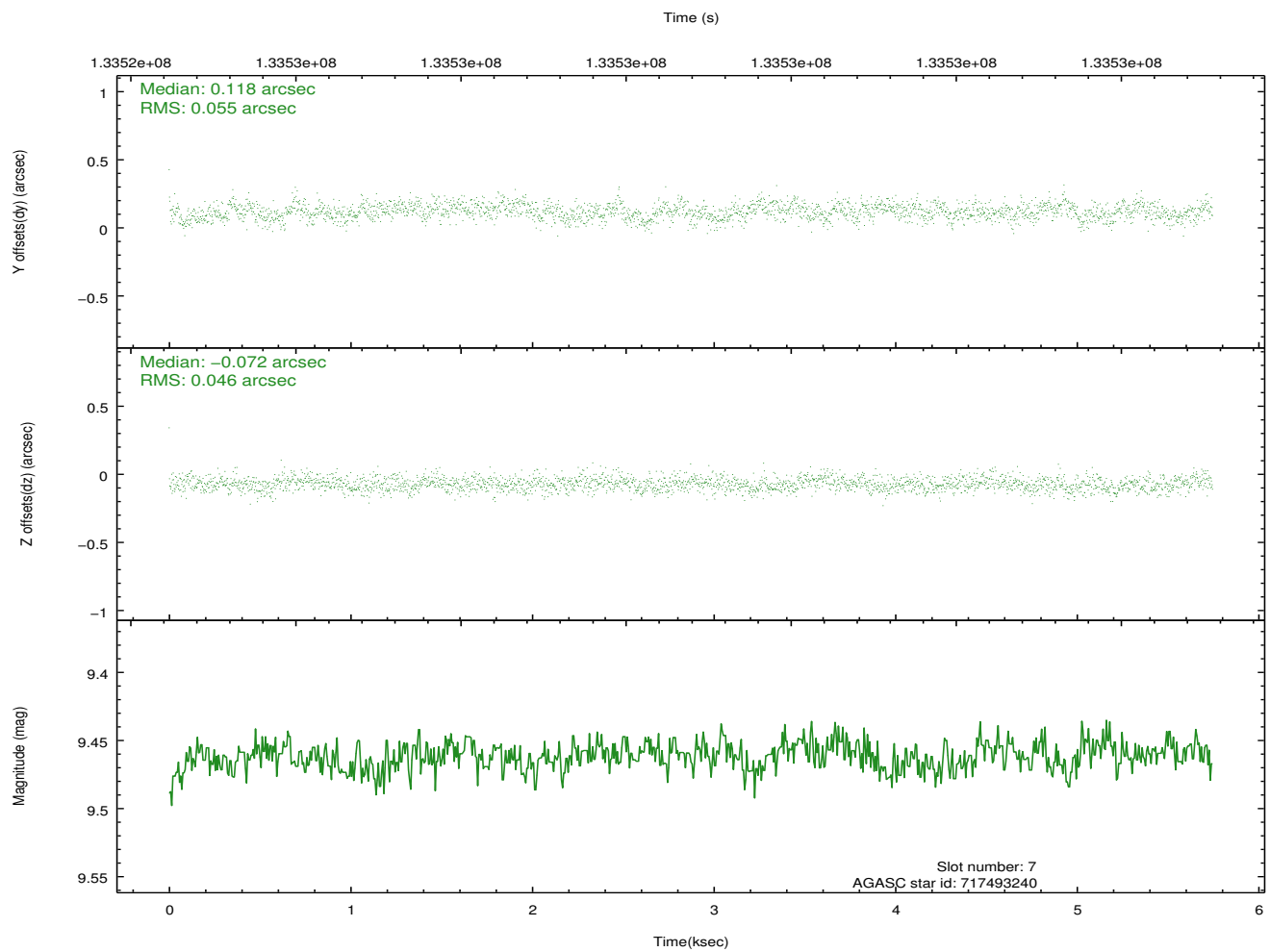
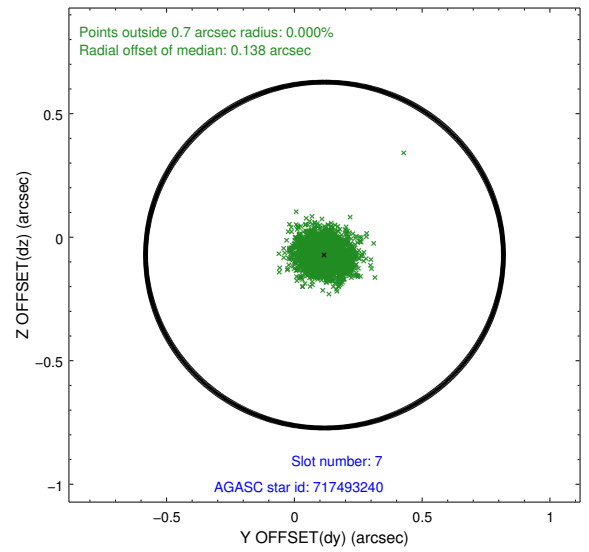
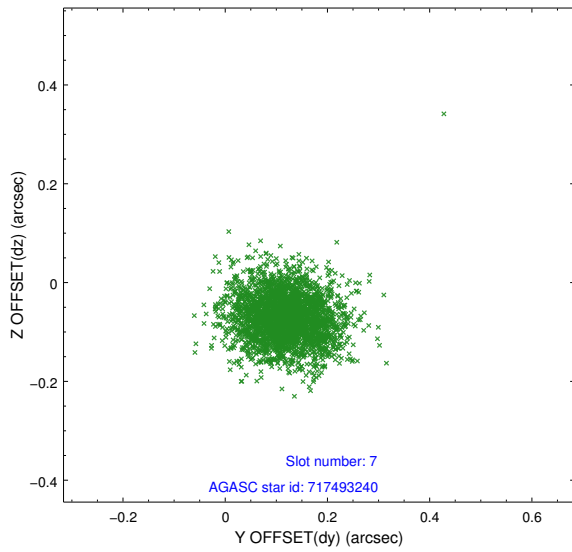
Time (s)



2.4.4 Slot 6

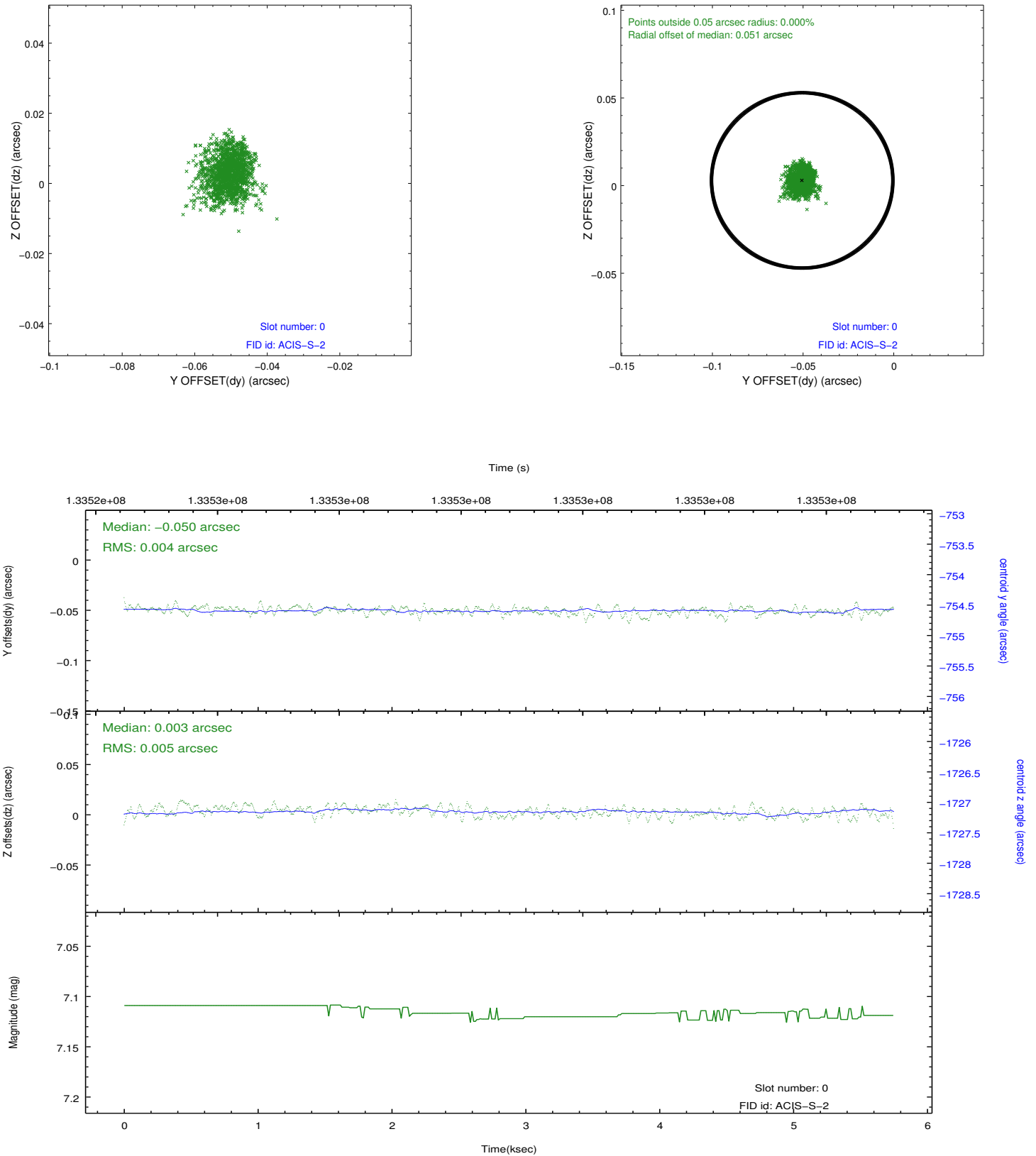


2.4.5 Slot 7

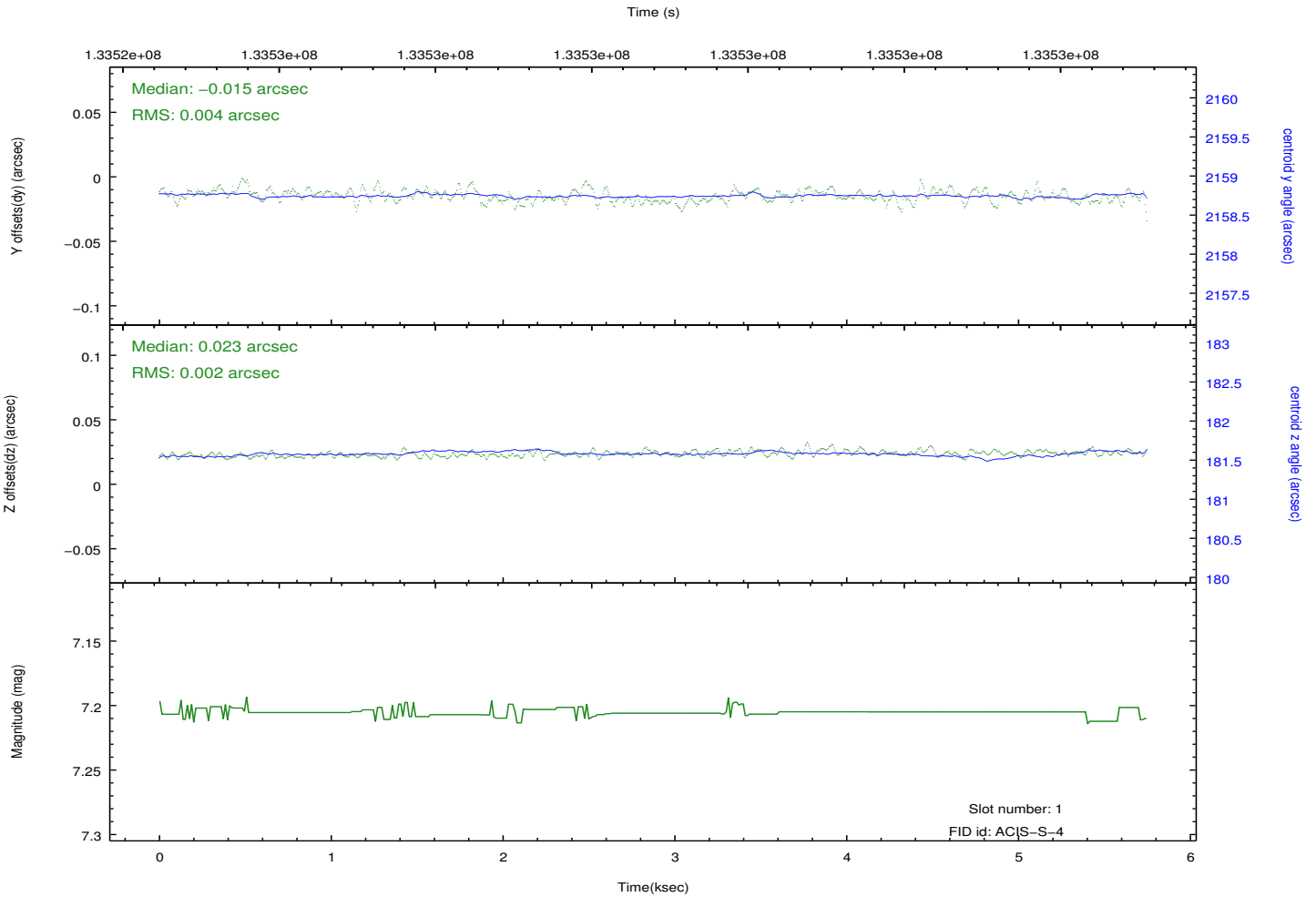
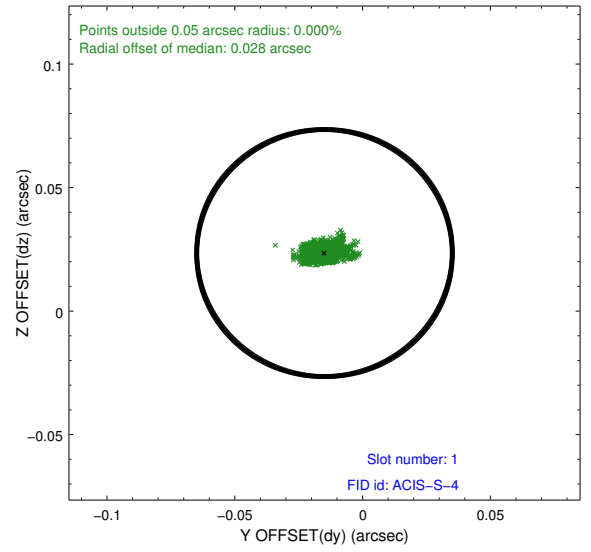
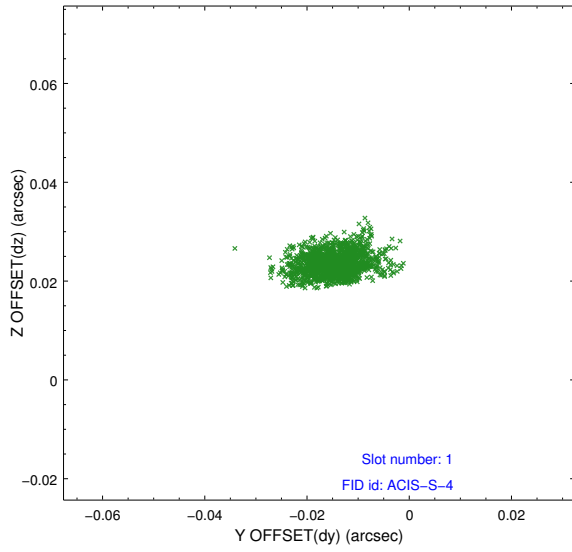


2.5 FID Slots

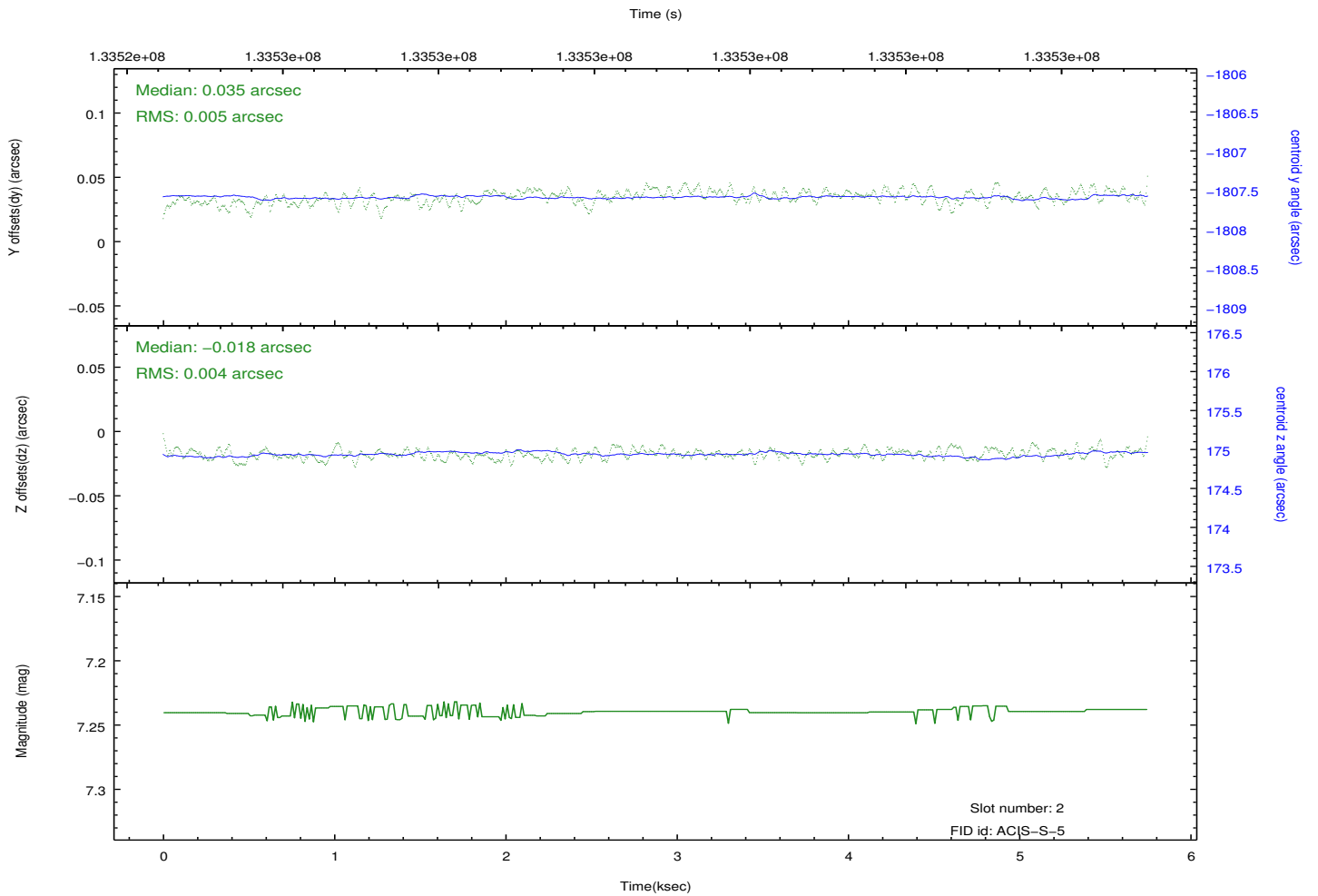
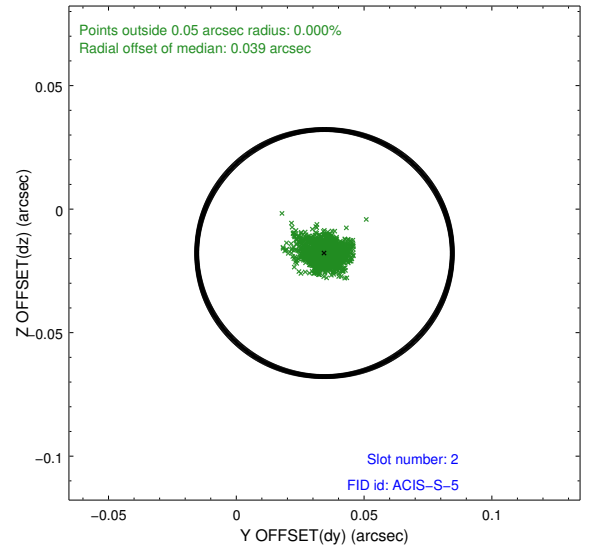
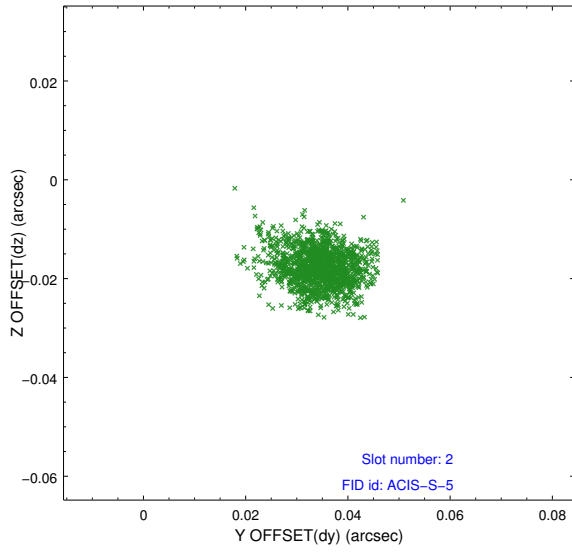
2.5.1 Slot 0



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)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.551

A.2 Comments

Joint proposal with HST and NOAO.