

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18780 - L2 Version 1
Chandra X-Ray Center

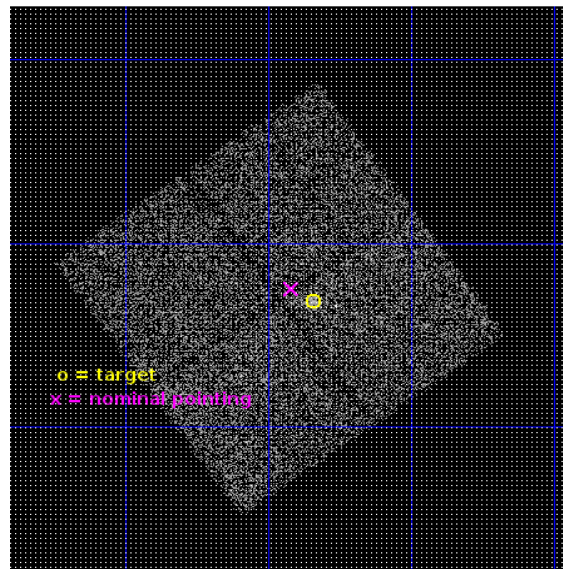
L2 Processing Date : Dec 31 2016

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1 Front

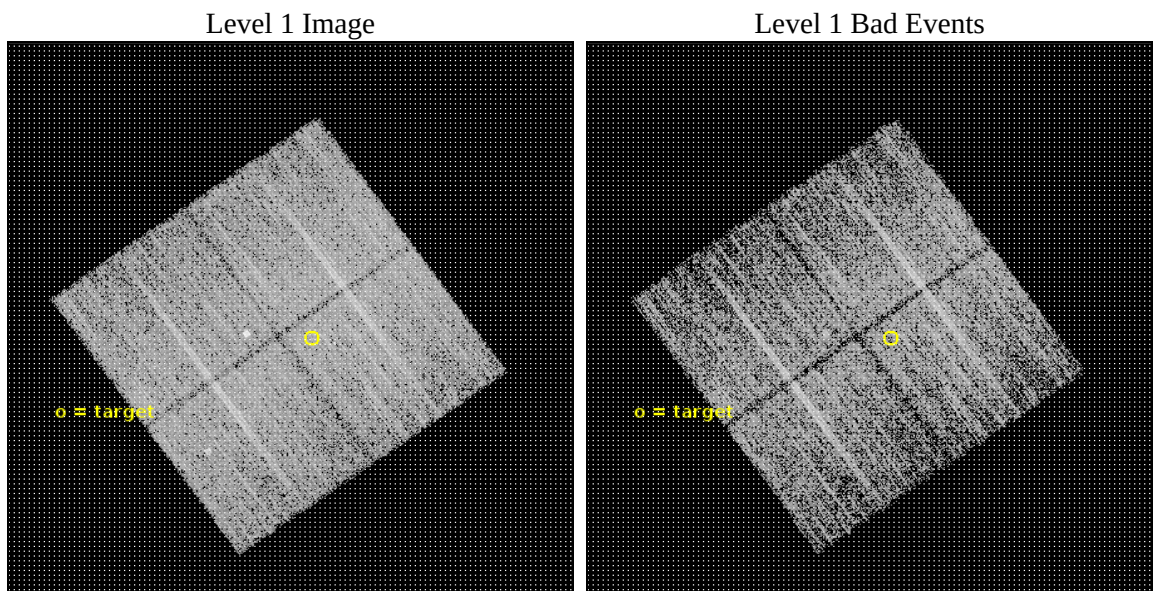
seq_num	801655	Sequence number
obs_id	18780	Observation id
title	Probing the extreme mass peaks at $z>0.7$	Proposal title
observer	Monique ARNAUD	Principal investigator
object	PSZ1 G226.65+28.43	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.08492	Observer's specified target RA [deg]
dec_targ	1.78059	Observer's specified target Dec [deg]
ra_nom	134.10462042132	Nominal RA [deg]
dec_nom	1.7919822109905	Nominal Dec [deg]
roll_nom	54.59935222746	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10037.473335862	Sum of GTIs [s]
livetime	9906.3263572488	Livetime [s]
ontime0	10037.350215912	Sum of GTIs [s]
ontime1	10034.250165582	Sum of GTIs [s]
ontime2	10037.432295918	Sum of GTIs [s]
ontime3	10037.473335862	Sum of GTIs [s]
l2events	25649	Number of level 2 events



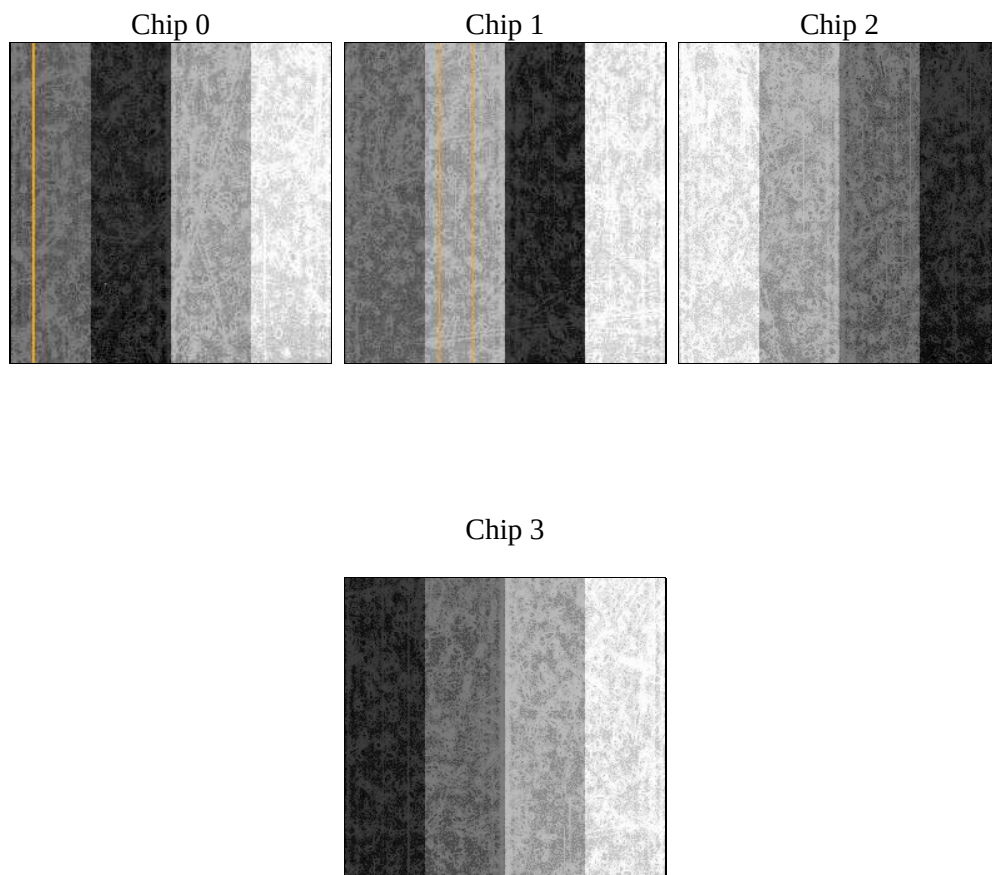
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10247.793000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	10037.473335862	Sum of GTIs [s]
caldbver	4.7.3	 	ontime0	10037.350215912	Sum of GTIs [s]
date	2016-12-31T07:04:32	Date and time of file creation	ontime1	10034.250165582	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10037.432295918	Sum of GTIs [s]
			ontime3	10037.473335862	Sum of GTIs [s]
			l1events	272678	Number of level 1 events

2.1.4 Events

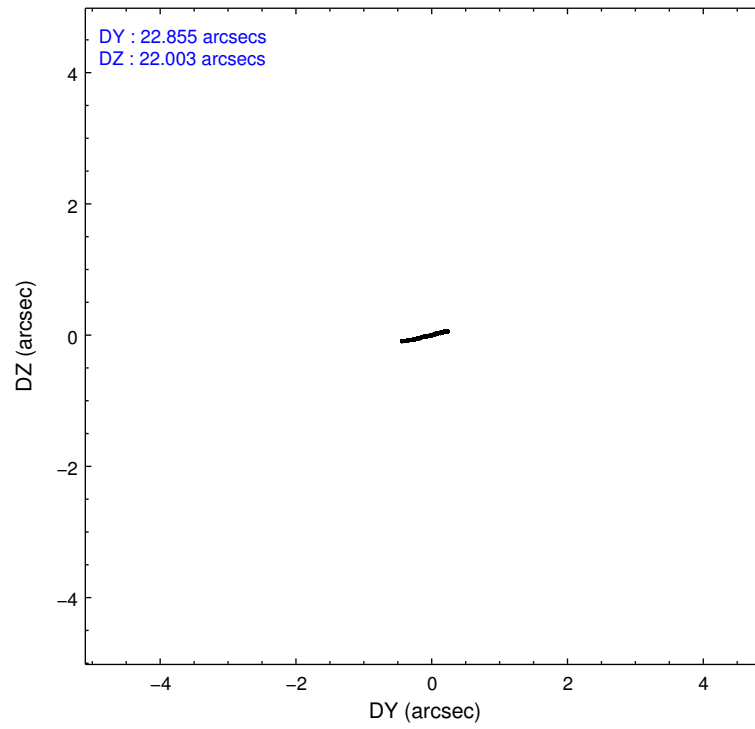
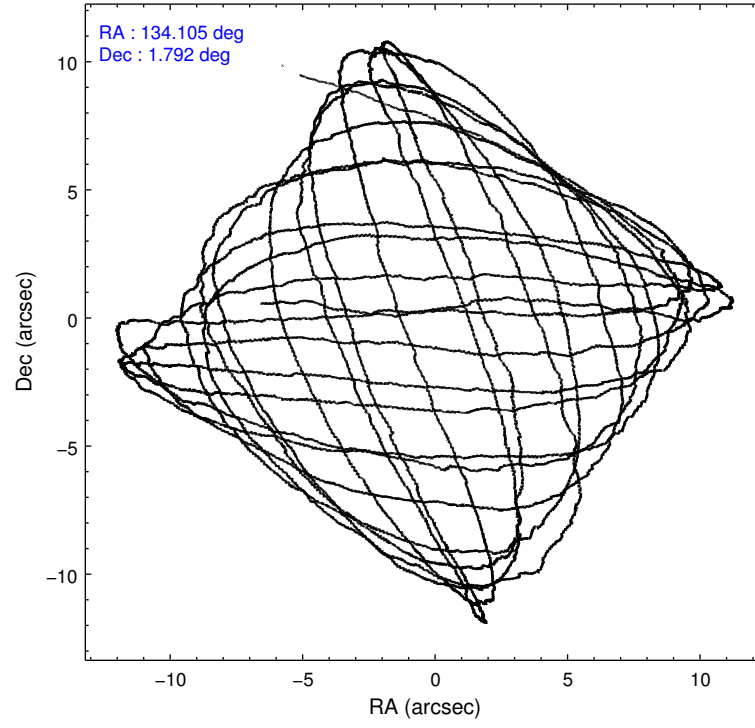
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	65035	65130	71184	71329
rejected events	56495	56515	64227	63767
rejected %	86%	86%	90%	89%

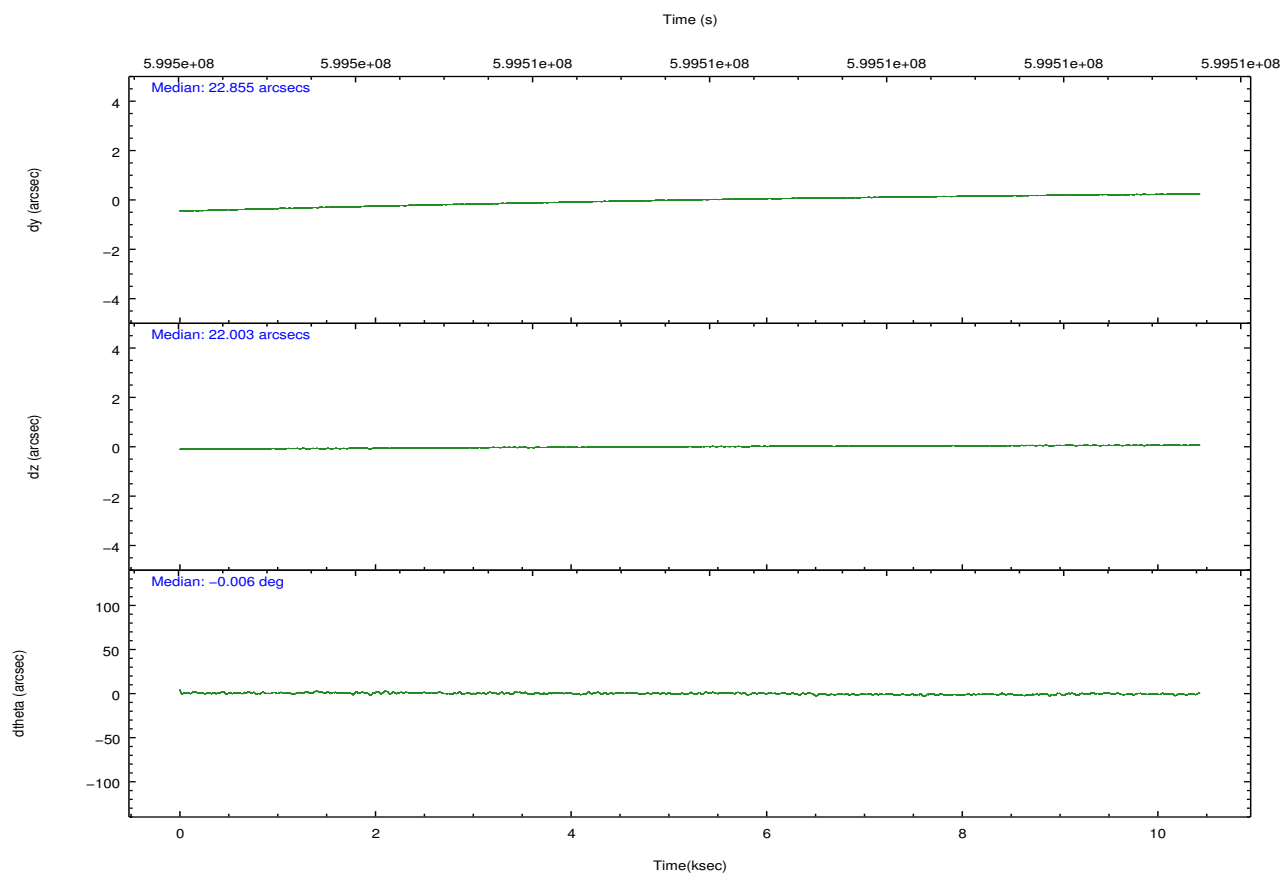
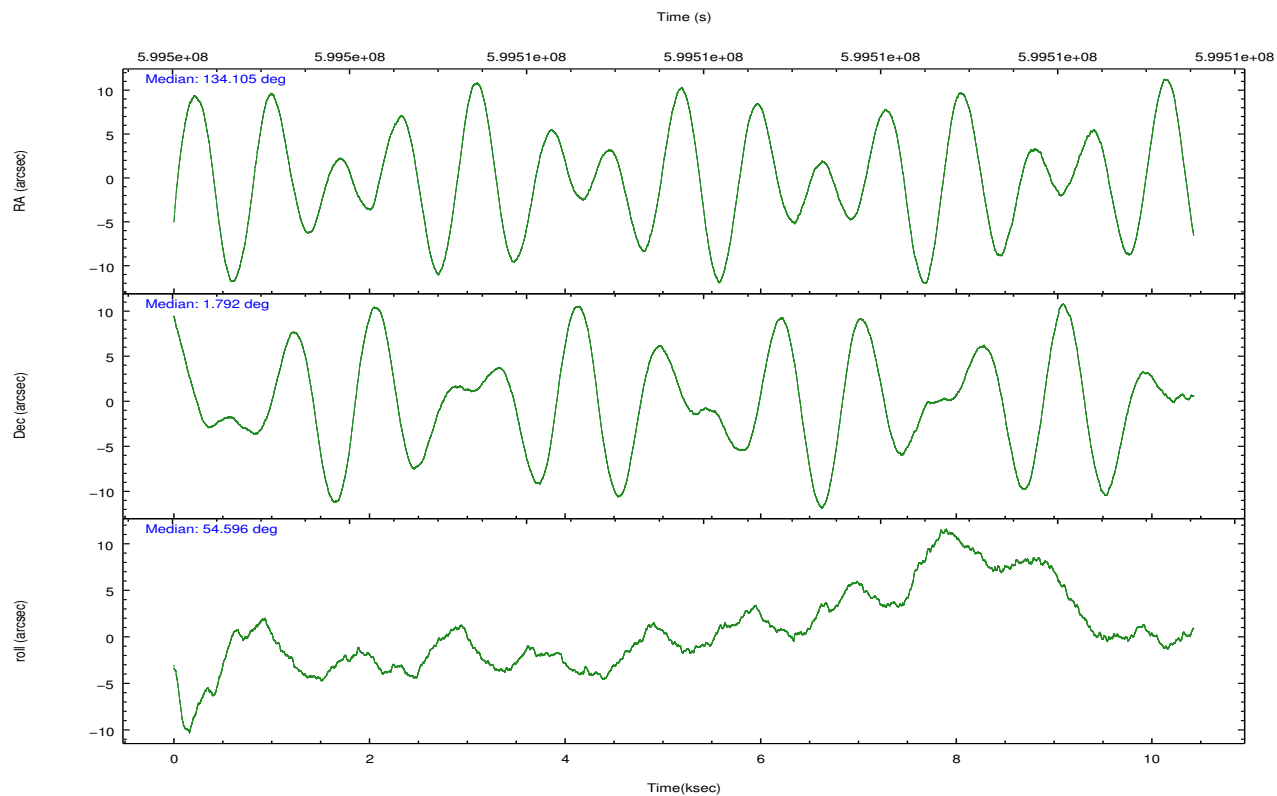
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2656	3044	2447	2902
	4%	4%	3%	4%
grade 1 events	25	36	31	52
	0%	0%	0%	0%
grade 2 events	2754	1938	1589	1589
	4%	2%	2%	2%
grade 3 events	807	800	726	784
	1%	1%	1%	1%
grade 4 events	730	794	787	800
	1%	1%	1%	1%
grade 5 events	2787	2944	2679	3297
	4%	4%	3%	4%
grade 6 events	1597	2043	1409	1490
	2%	3%	1%	2%
grade 7 events	53679	53531	61516	60415
	82%	82%	86%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	134.102071	134.1046204213186	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.764456	1.791982210990544	Alternating exposures requested	N	N
[deg] Pointing Roll	54.390735	54.59935222745955	[s] Primary exposure time	0.000000	3.1
[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)	599502745.184000	599502132.54431			
Observation start date	2016-12-30T16:31:17	2016-12-30T16:22:12			
[s] Observation end time (MET)	599512993.184000	599513222.53245			
Observation end date	2016-12-30T19:22:05	2016-12-30T19:27:02			
Read mode	TIMED	TIMED			

2.3 Aspect



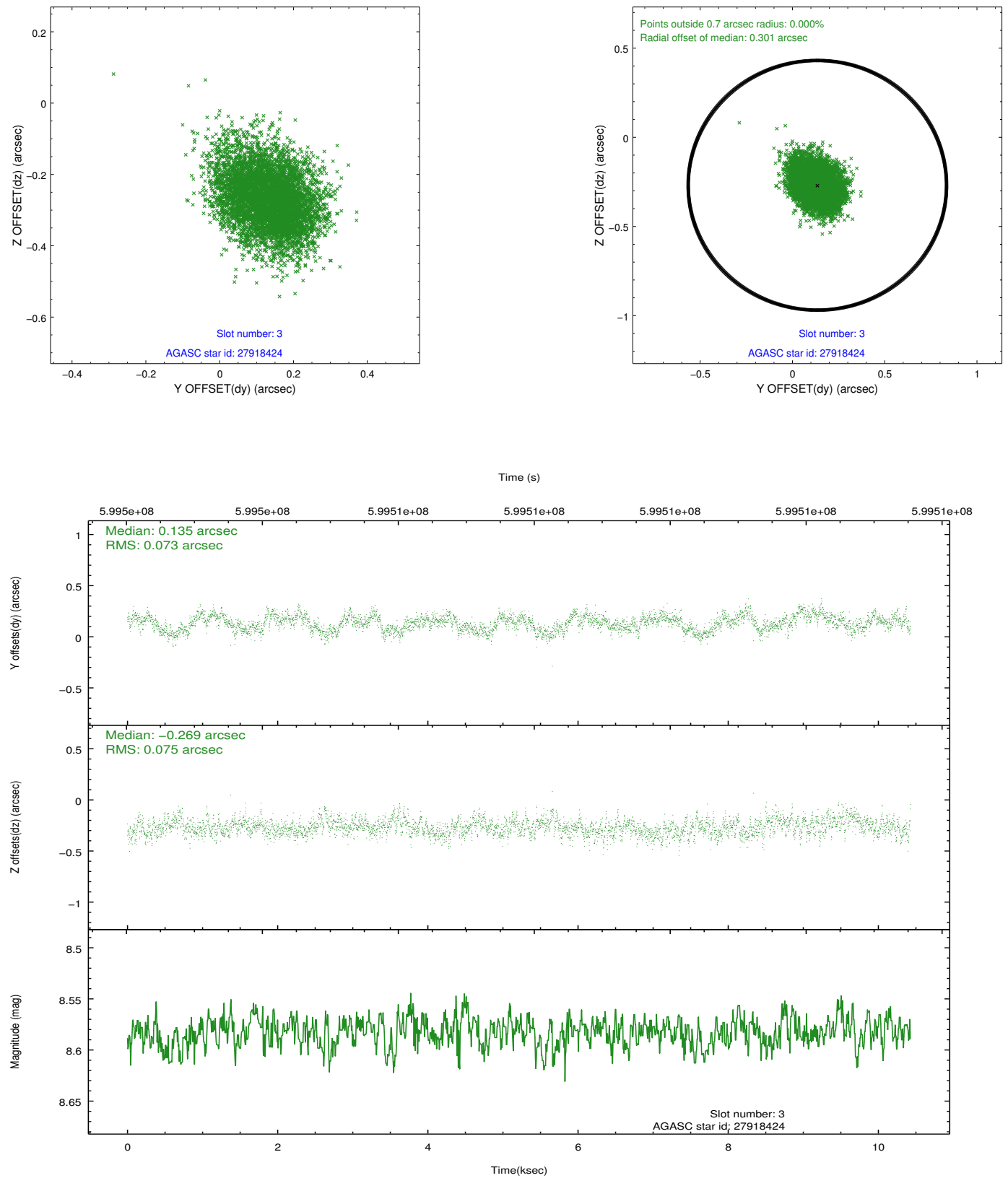


Slot Statistics

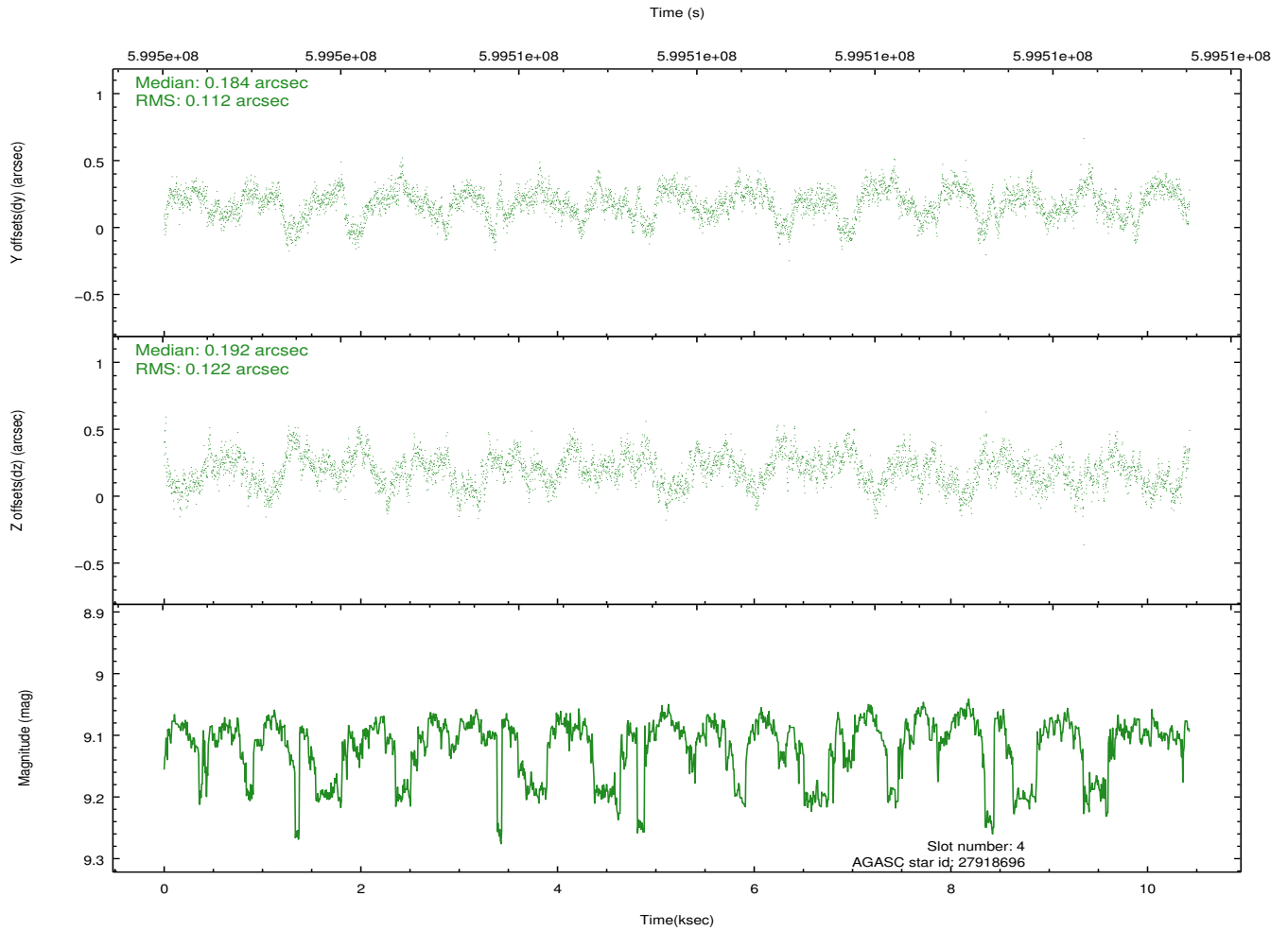
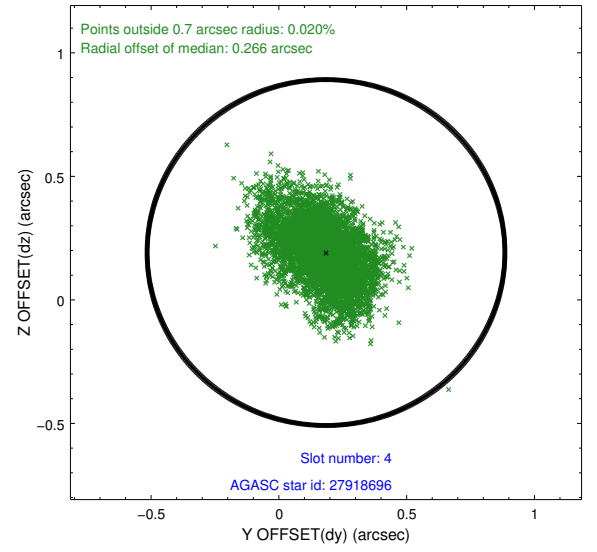
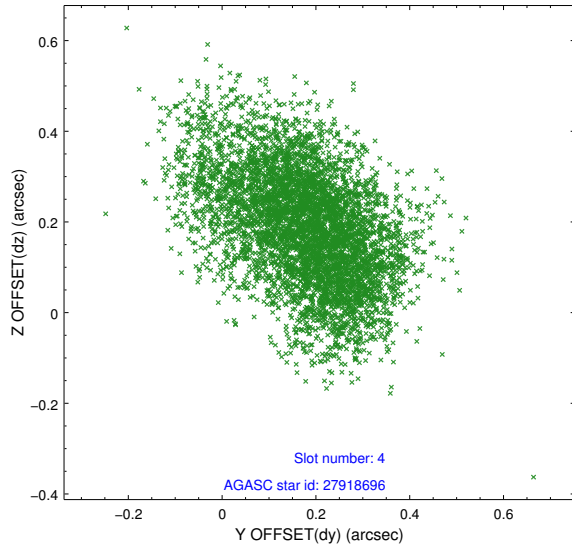
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.18	2544	-0.294	-0.187	0.016	0.024	0.000000	0.000000	-777.98	-852.38
1	FID		ACIS-I-4	7.23	2543	0.650	0.203	0.012	0.022	0.000000	0.000000	2136.66	1054.12
2	FID		ACIS-I-5	7.28	2544	-0.457	0.054	0.010	0.017	0.000000	0.000000	-1831.46	1052.13
3	GUIDE	used	27918424	8.58	5087	0.135	-0.269	0.111	0.179	133.611689	1.784797	-967.73	1477.17
4	GUIDE	used	27918696	9.10	5081	0.184	0.192	0.177	0.287	134.448492	1.788046	794.89	-963.24
5	GUIDE	used	27928944	7.04	5088	0.037	0.722	0.133	0.204	134.534183	1.541592	253.51	-1730.62
6	GUIDE	used	28448720	8.66	5079	-0.427	-0.465	0.109	0.180	134.139253	2.392272	1914.87	1206.73
7	GUIDE	used	28453720	9.24	5081	0.116	-0.172	0.237	0.353	134.092945	2.132971	1059.55	799.43

2.4 Star Slots

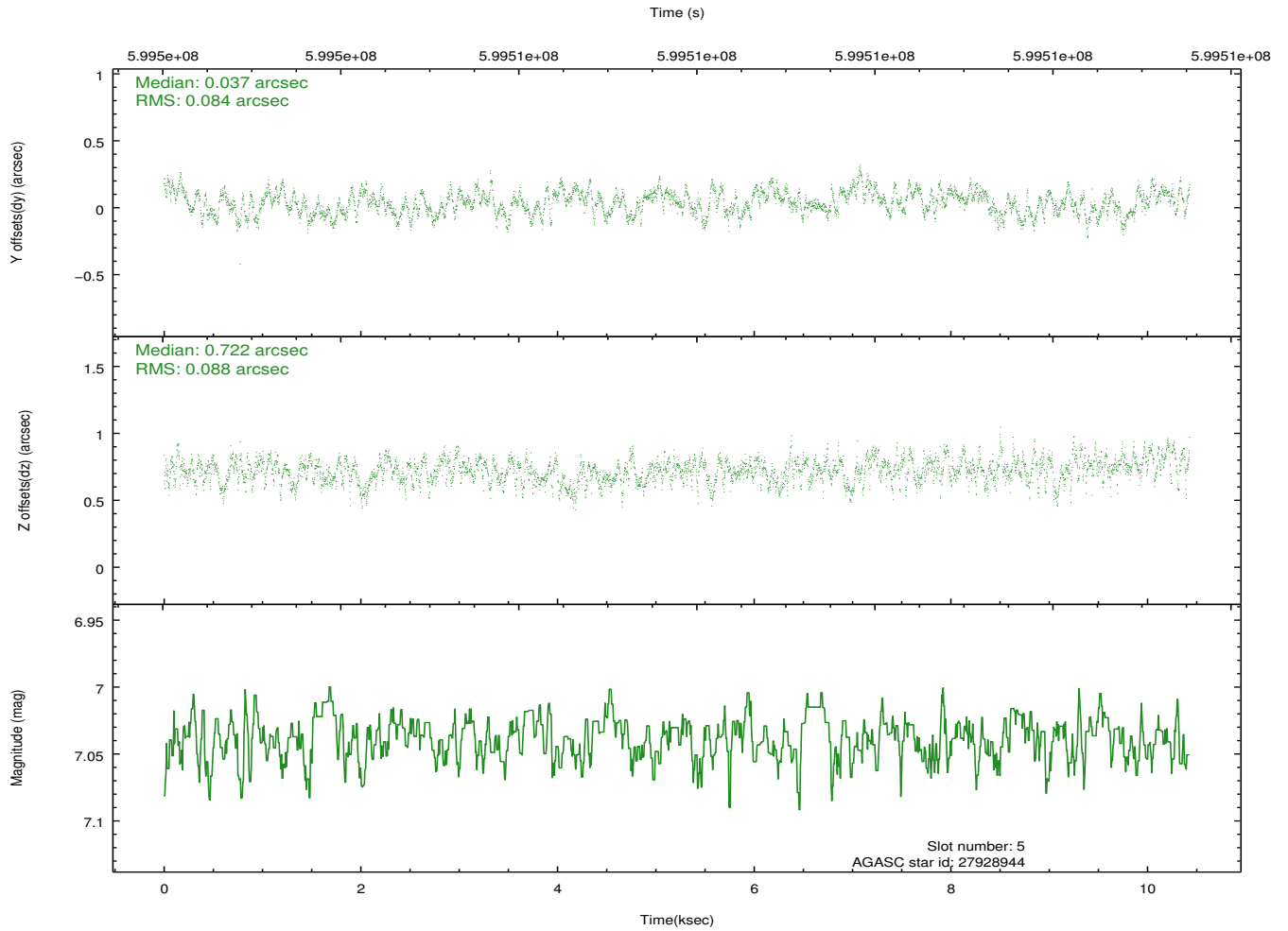
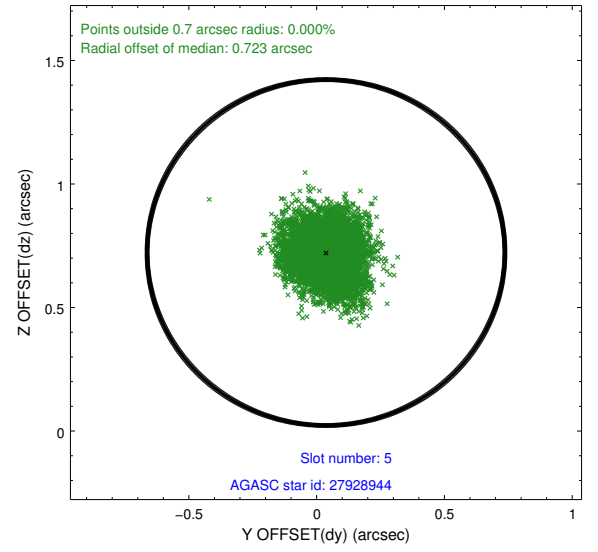
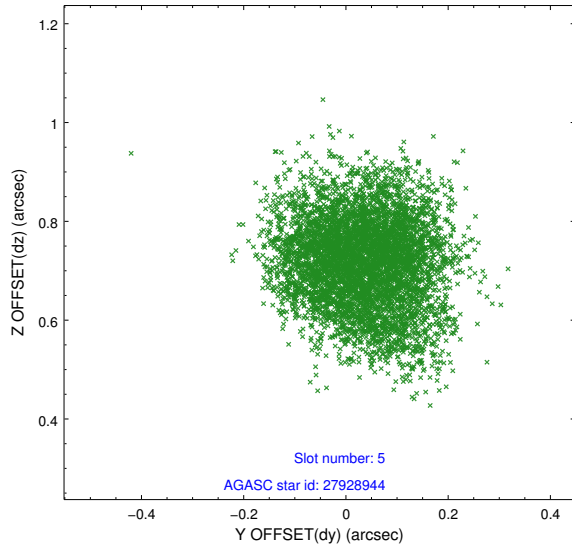
2.4.1 Slot 3



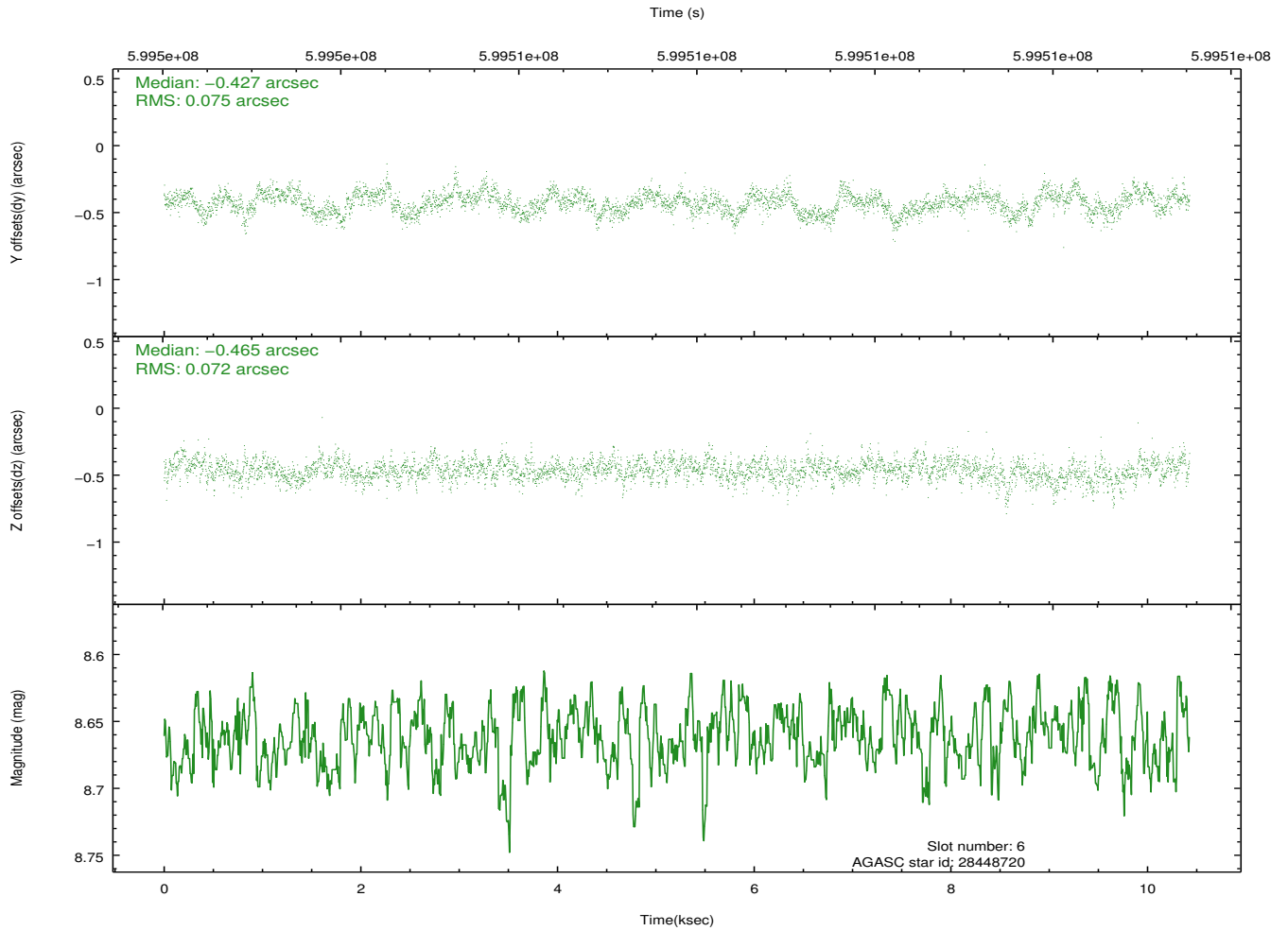
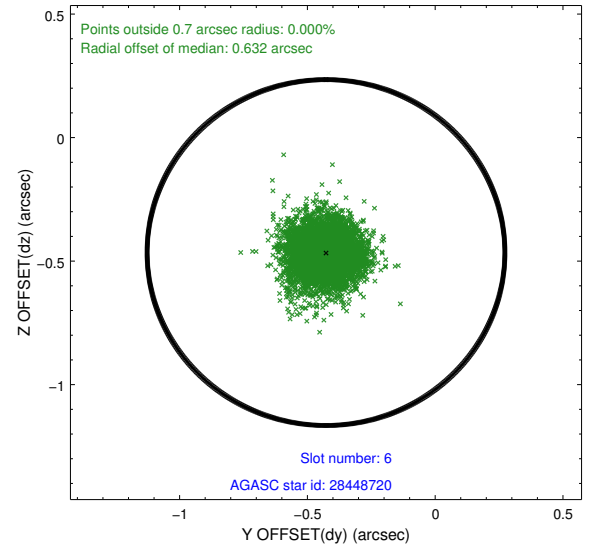
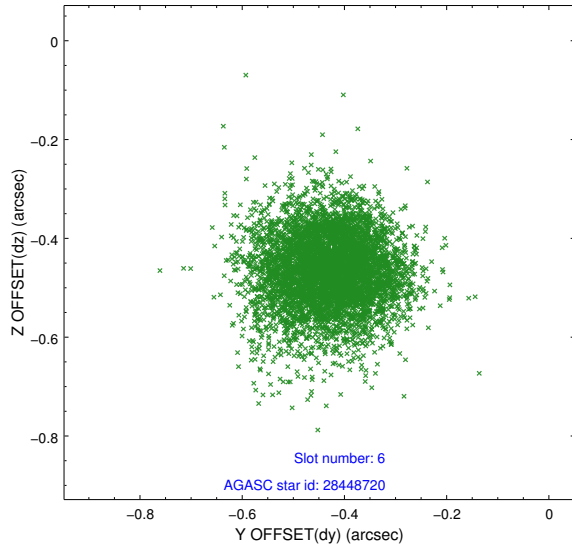
2.4.2 Slot 4



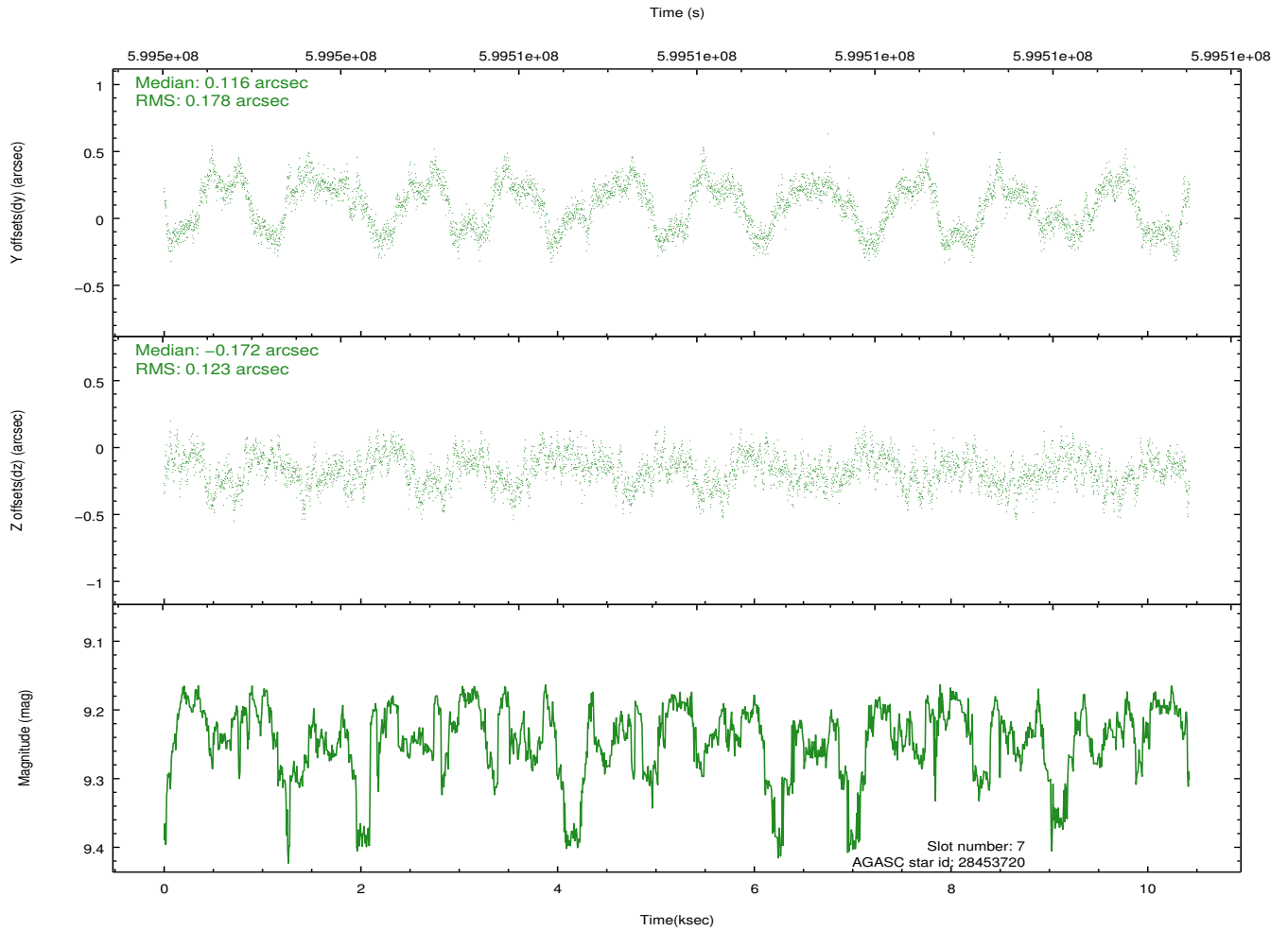
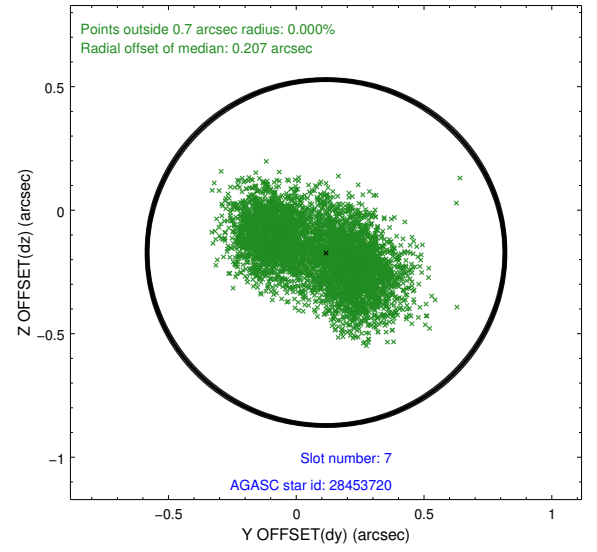
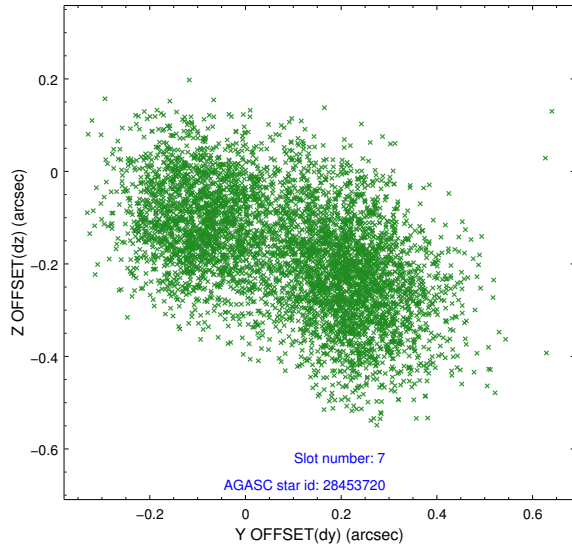
2.4.3 Slot 5



2.4.4 Slot 6

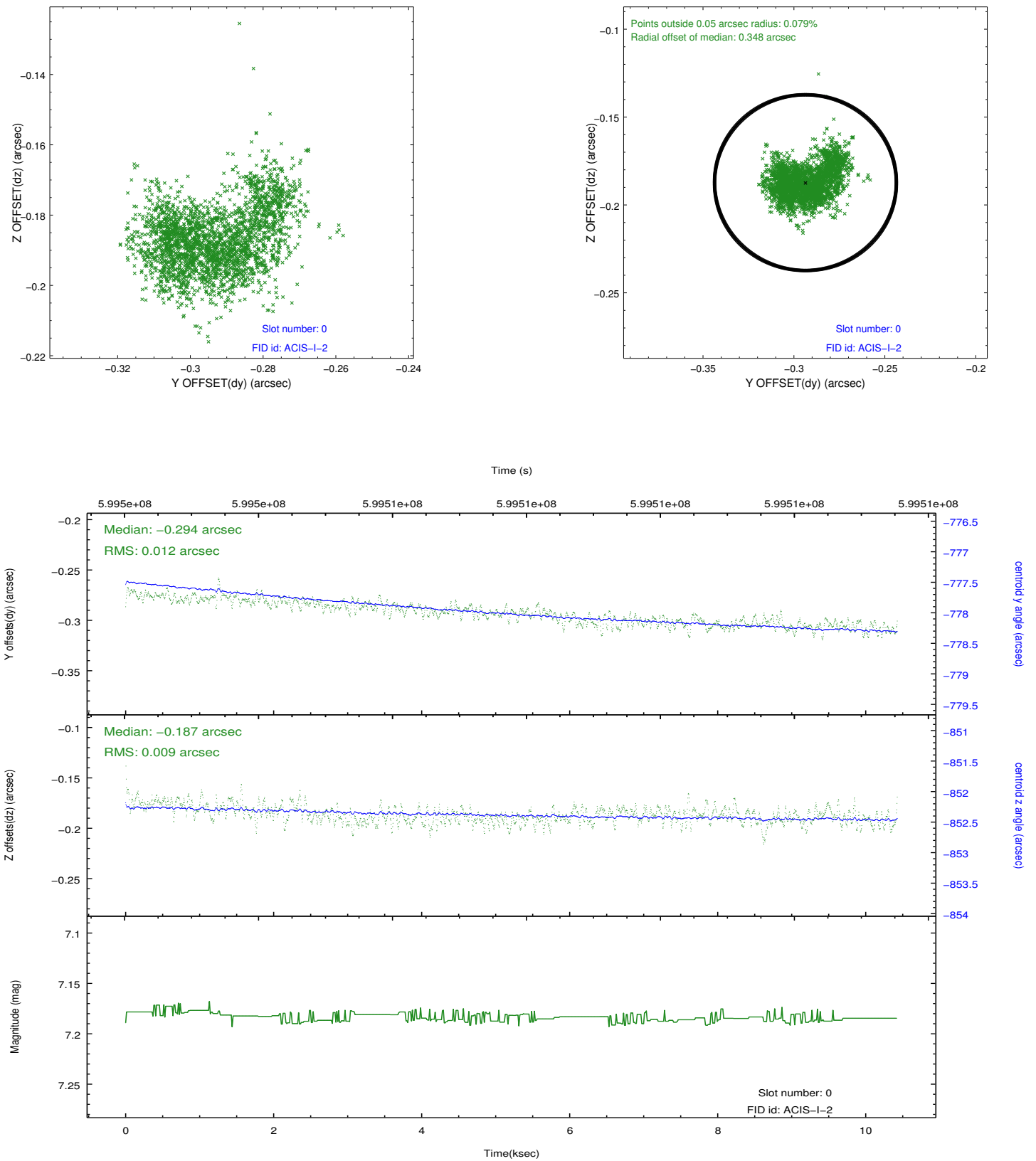


2.4.5 Slot 7

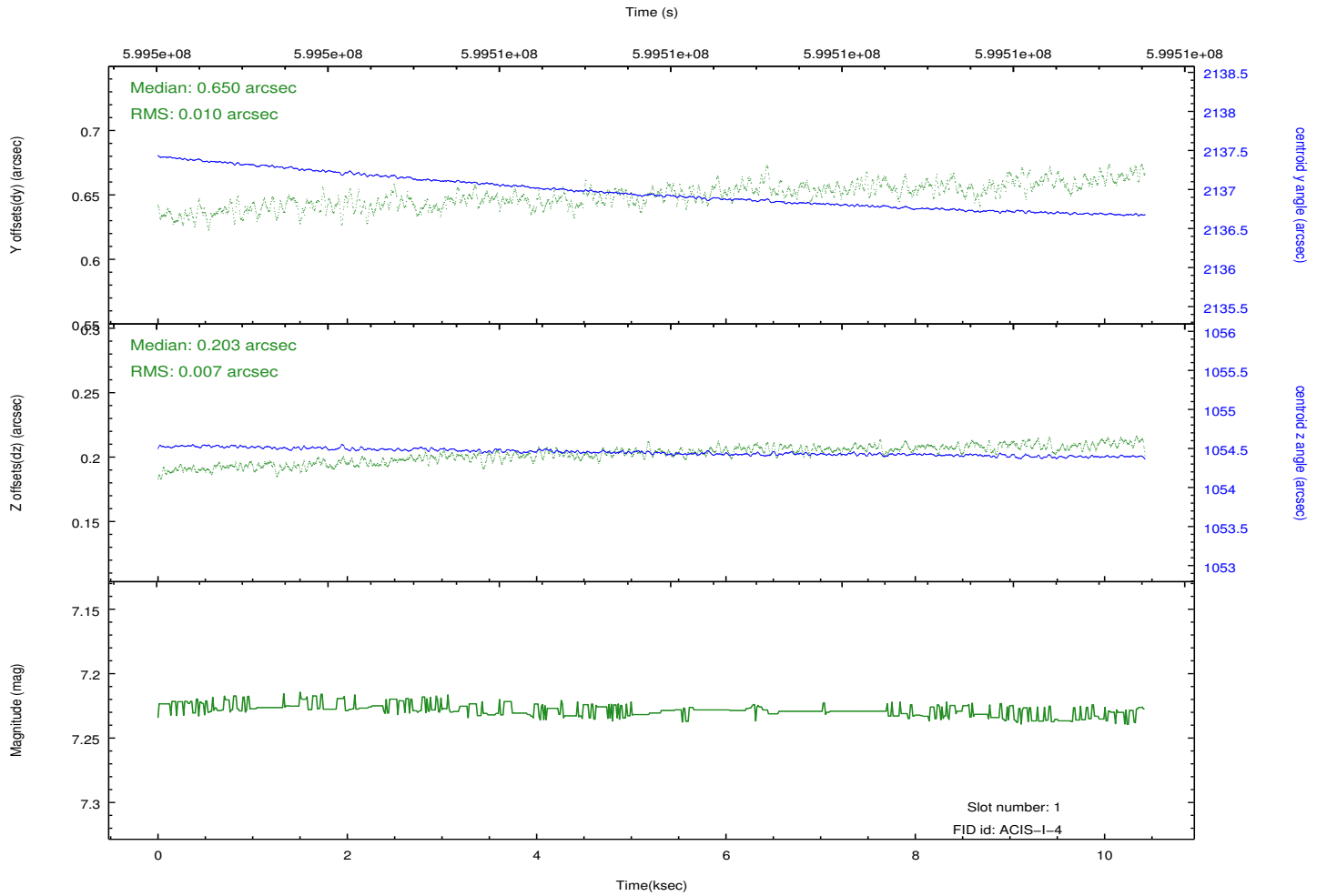
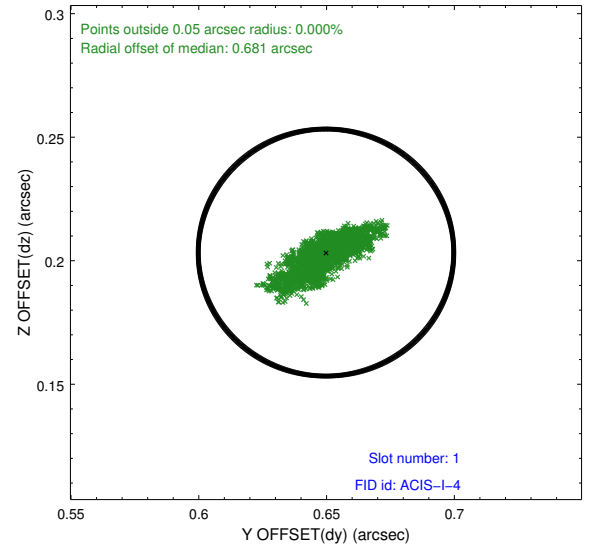
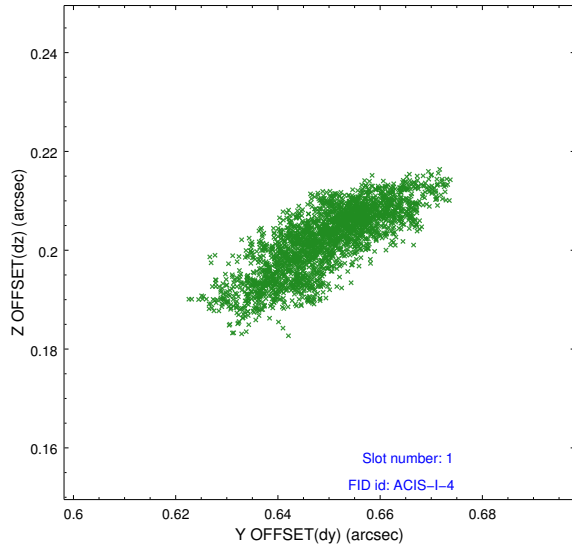


2.5 FID Slots

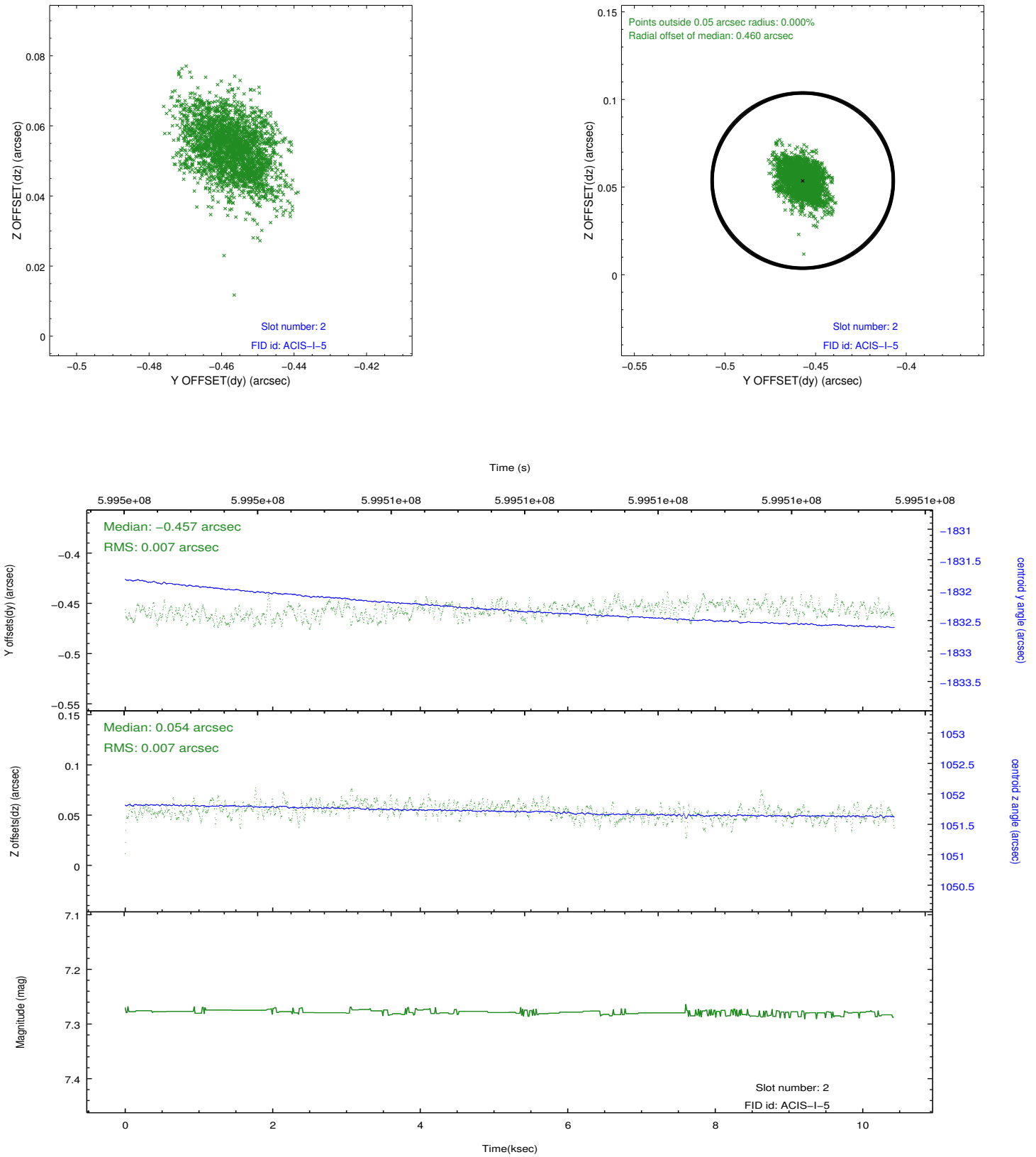
2.5.1 Slot 0



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)	2017.01.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.037473335862

A.2 Comments

Joint proposal with XMM.