

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16027 - L2 Version 1
Chandra X-Ray Center

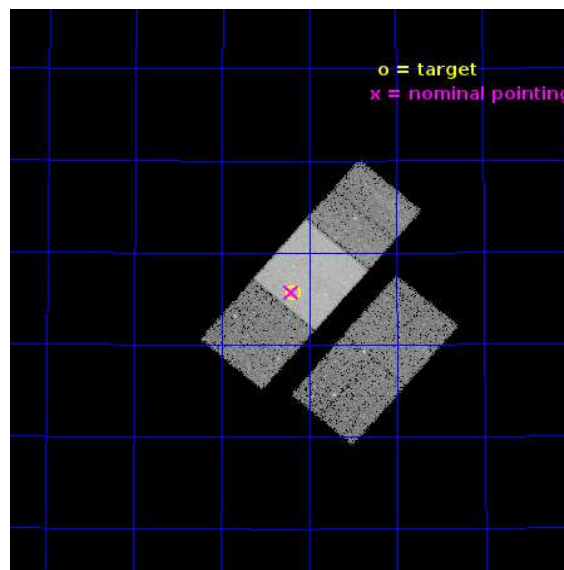
L2 Processing Date : Sep 15 2014

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1 Front

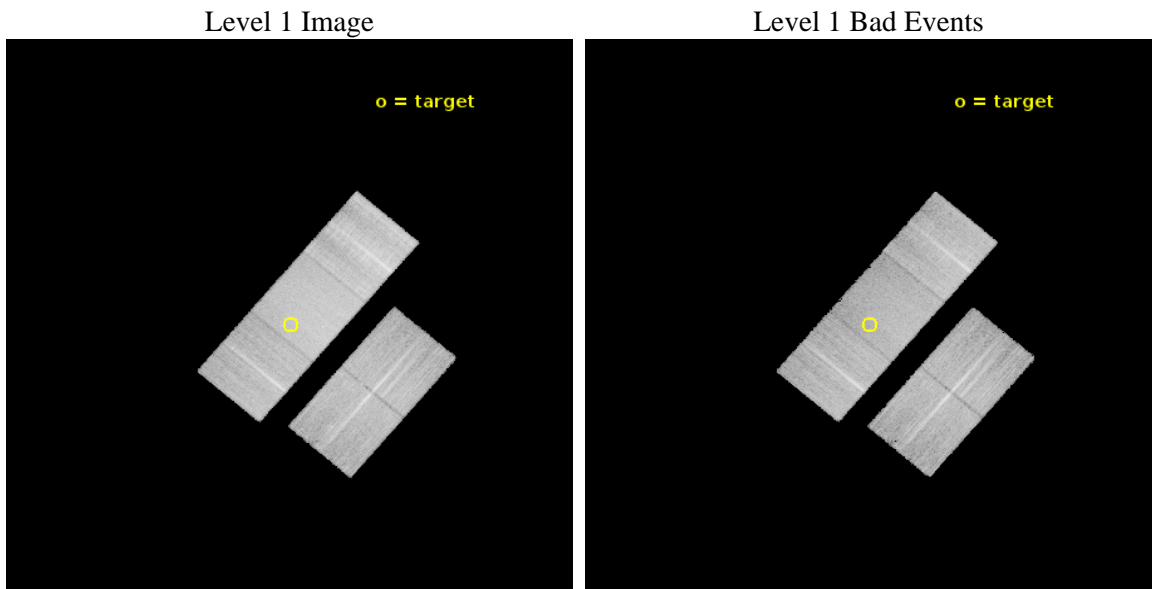
seq_num	601115	Sequence number
obs_id	16027	Observation id
title	Chandra Observation of the Most Luminous Off-nuclear Intermediate-mass Black Hole Candidate	Proposal title
observer	Dr Dacheng Lin	Principal investigator
object	2XMM J141711.0+522541	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.295833	Observer's specified target RA [deg]
dec_targ	52.428306	Observer's specified target Dec [deg]
ra_nom	214.30091379665	Nominal RA [deg]
dec_nom	52.428668910523	Nominal Dec [deg]
roll_nom	310.46352130673	Nominal Roll [deg]
revision	1	Processing version of data
ontime	26957.600207329	Sum of GTIs [s]
livetime	26605.379314723	Livetime [s]
ontime2	26957.600207329	Sum of GTIs [s]
ontime3	26957.600207329	Sum of GTIs [s]
ontime6	26957.600207329	Sum of GTIs [s]
ontime7	26957.600207329	Sum of GTIs [s]
ontime8	26957.600207329	Sum of GTIs [s]
l2events	127835	Number of level 2 events



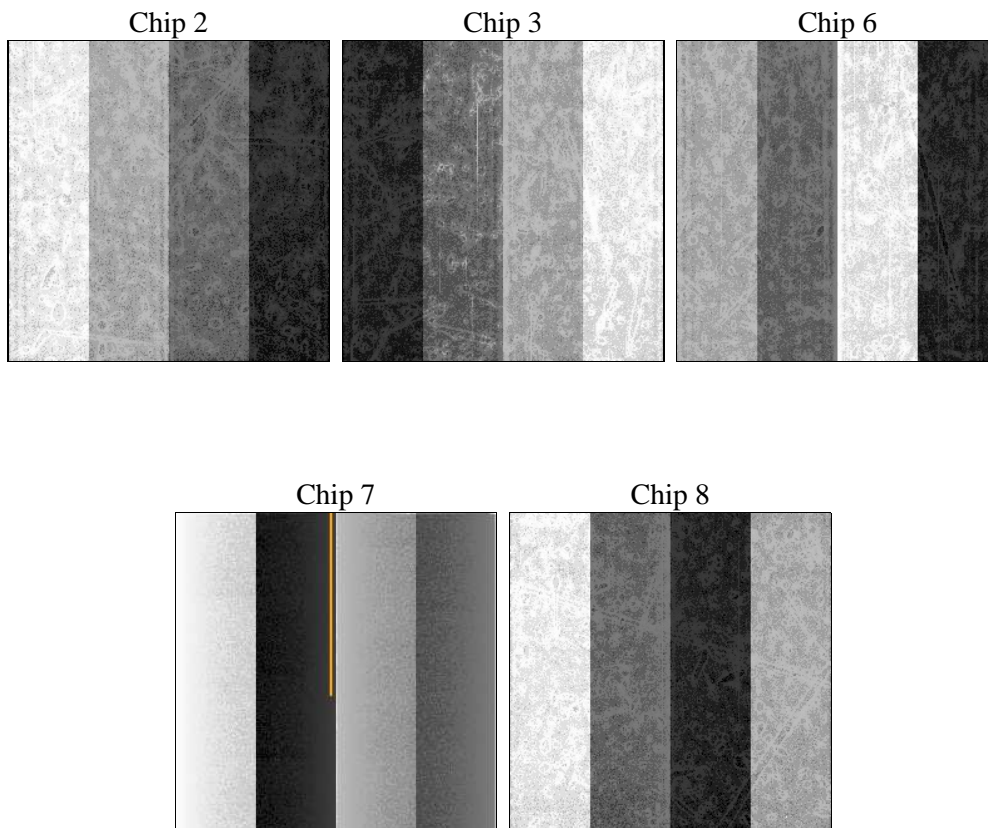
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26887.027000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	26957.600207329	Sum of GTIs [s]
caldbver	4.6.3	 	ontime2	26957.600207329	Sum of GTIs [s]
date	2014-09-16T02:41:55	Date and time of file creation	ontime3	26957.600207329	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	26957.600207329	Sum of GTIs [s]
			ontime7	26957.600207329	Sum of GTIs [s]
			ontime8	26957.600207329	Sum of GTIs [s]
			l1events	722462	Number of level 1 events

2.1.4 Events

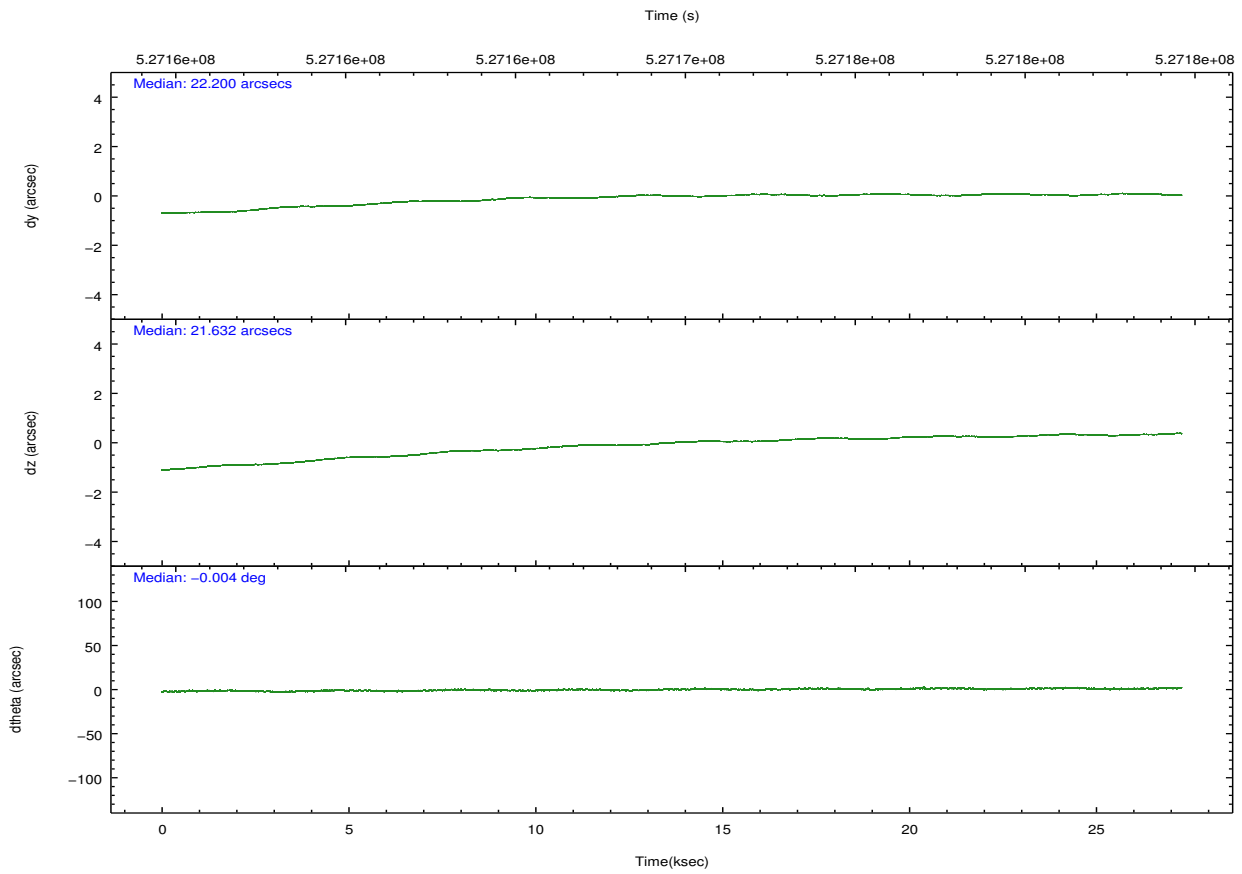
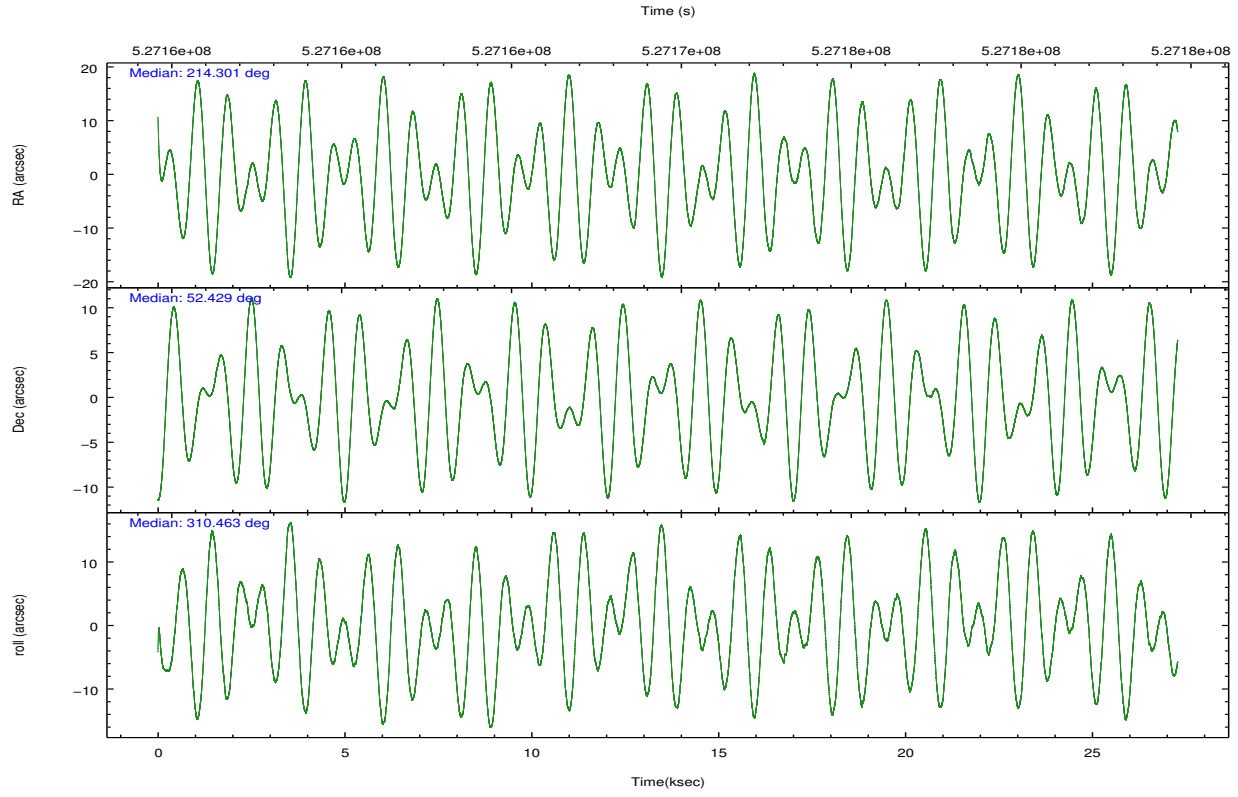
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	120952	120229	128703	172730	179848
rejected events	105883	106279	113131	97612	126086
rejected %	87%	88%	87%	56%	70%

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5559	4857	5236	6687	16302
	4%	4%	4%	3%	9%
grade 1 events	75	87	70	193	140
	0%	0%	0%	0%	0%
grade 2 events	3616	3105	3618	15516	11570
	2%	2%	2%	8%	6%
grade 3 events	1447	1461	1648	6349	6354
	1%	1%	1%	3%	3%
grade 4 events	1538	1495	1531	6291	6019
	1%	1%	1%	3%	3%
grade 5 events	5415	6740	6537	17628	9729
	4%	5%	5%	10%	5%
grade 6 events	2910	3032	3541	40281	13518
	2%	2%	2%	23%	7%
grade 7 events	100392	99452	106522	79785	116216
	83%	82%	82%	46%	64%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	214.258282	214.3009137966525	Subarray requested	NONE	NONE
[deg] Pointing Dec	52.437512	52.42866891052282	Alternating exposures requested	N	N
[deg] Pointing Roll	310.340681	310.4635213067327	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	527156360.184000	527155312.75939			
Observation start date	2014-09-15T08:18:13	2014-09-15T08:01:52			
[s] Observation end time (MET)	527183247.184000	527184637.49852			
Observation end date	2014-09-15T15:46:20	2014-09-15T16:10:37			
Read mode	TIMED	TIMED			

2.3 Aspect

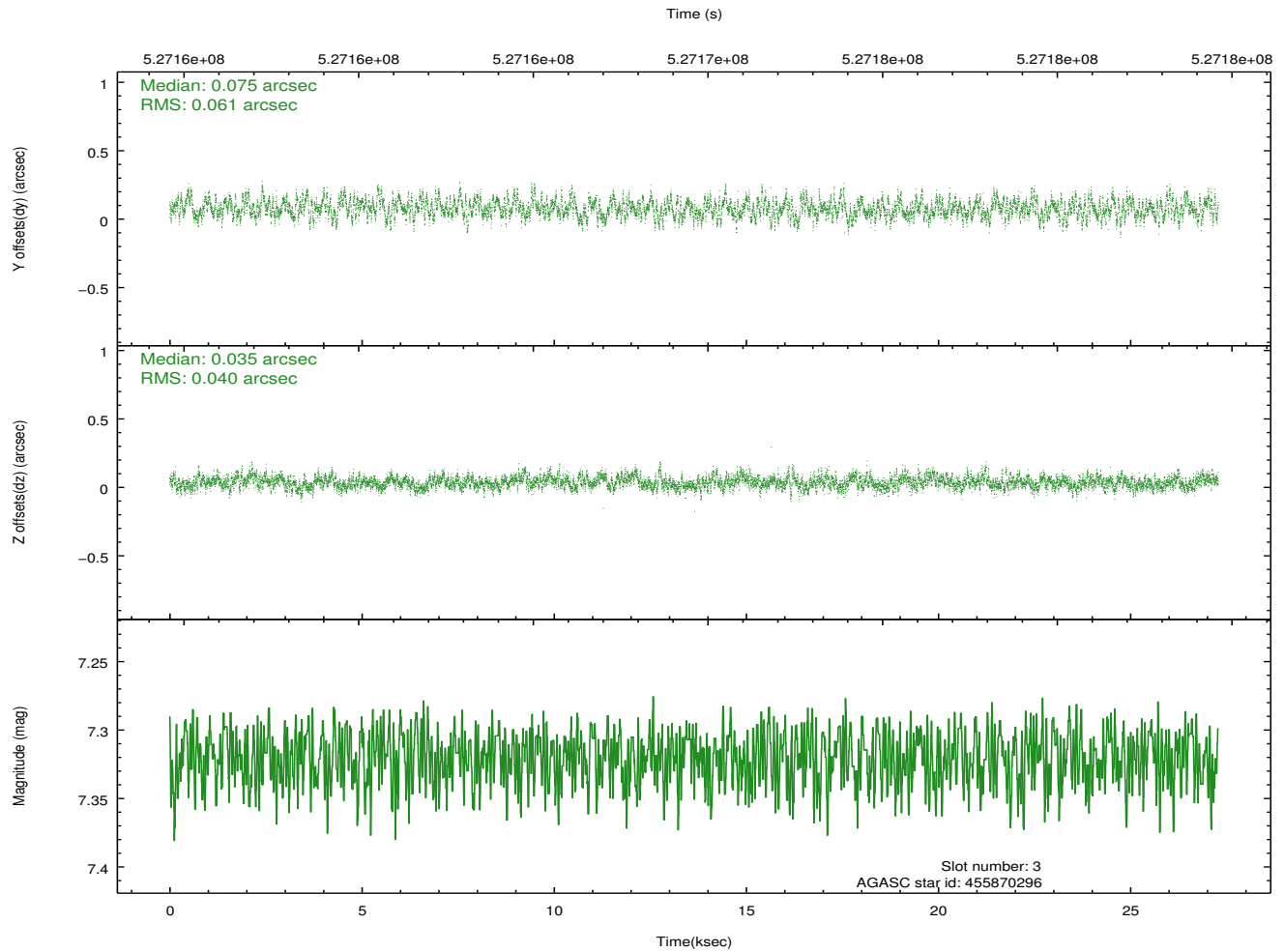
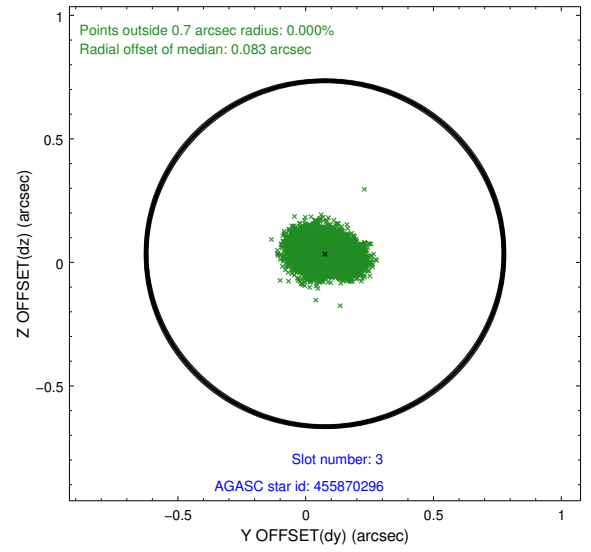
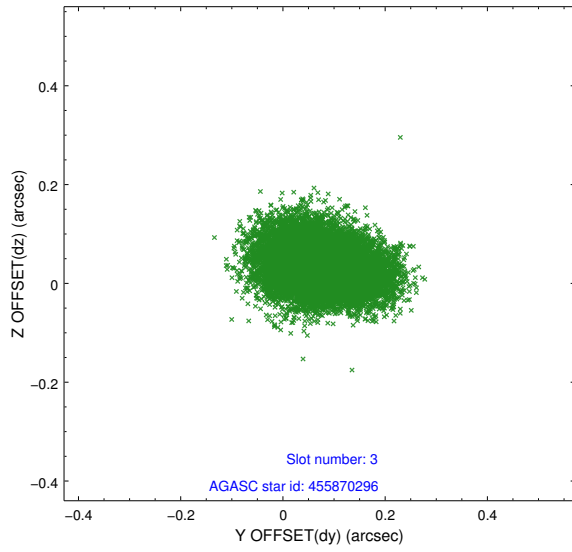


Slot Statistics

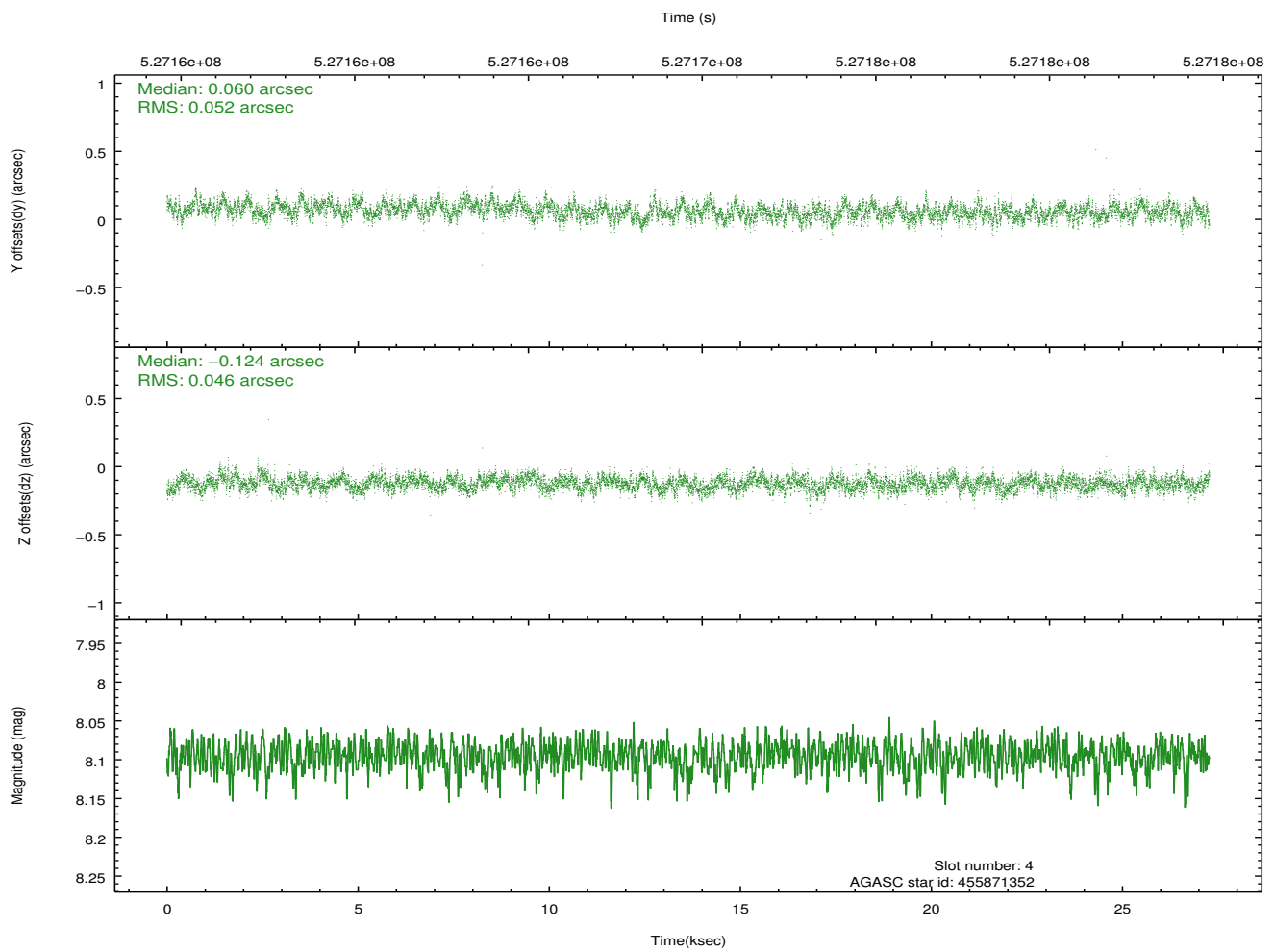
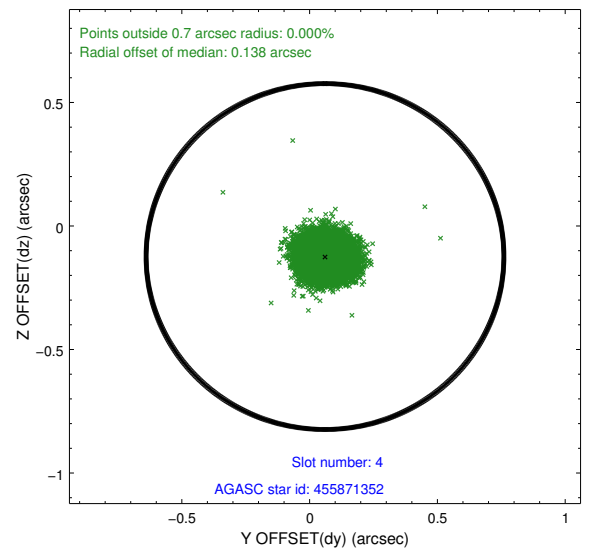
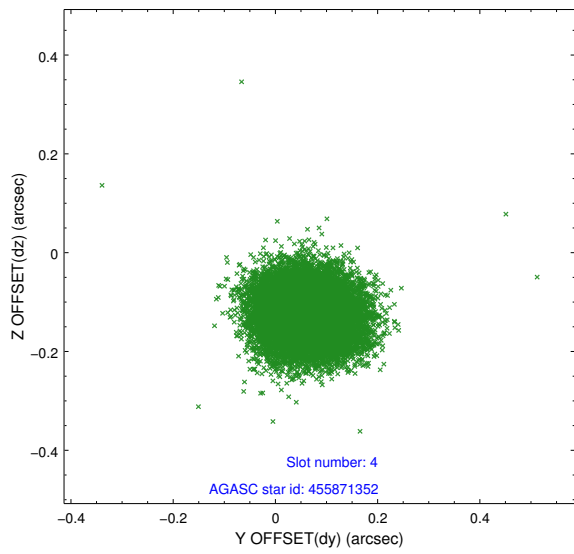
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	6655	-0.107	-0.017	0.012	0.022	0.000000	0.000000	-775.35	-1743.06
1	FID	ACIS-S-4	7.04	6655	0.250	0.057	0.006	0.011	0.000000	0.000000	2138.25	165.39
2	FID	ACIS-S-5	7.08	6655	-0.175	-0.031	0.012	0.028	0.000000	0.000000	-1828.13	159.10
3	GUIDE	455870296	7.32	13311	0.075	0.035	0.078	0.130	214.629779	52.033323	1640.18	-313.22
4	GUIDE	455871352	8.10	13311	0.060	-0.124	0.074	0.118	215.099961	52.172669	1921.60	806.24
5	GUIDE	504894728	8.79	13302	0.246	0.584	0.091	0.144	213.220892	52.722550	-2258.30	-1048.50
6	GUIDE	505812376	7.62	13310	-0.332	-0.386	0.067	0.109	214.039537	52.937930	-1681.38	804.60
7	GUIDE	505812088	8.14	13306	-0.053	-0.107	0.078	0.131	214.186617	53.263562	-2366.82	1807.64

2.4 Star Slots

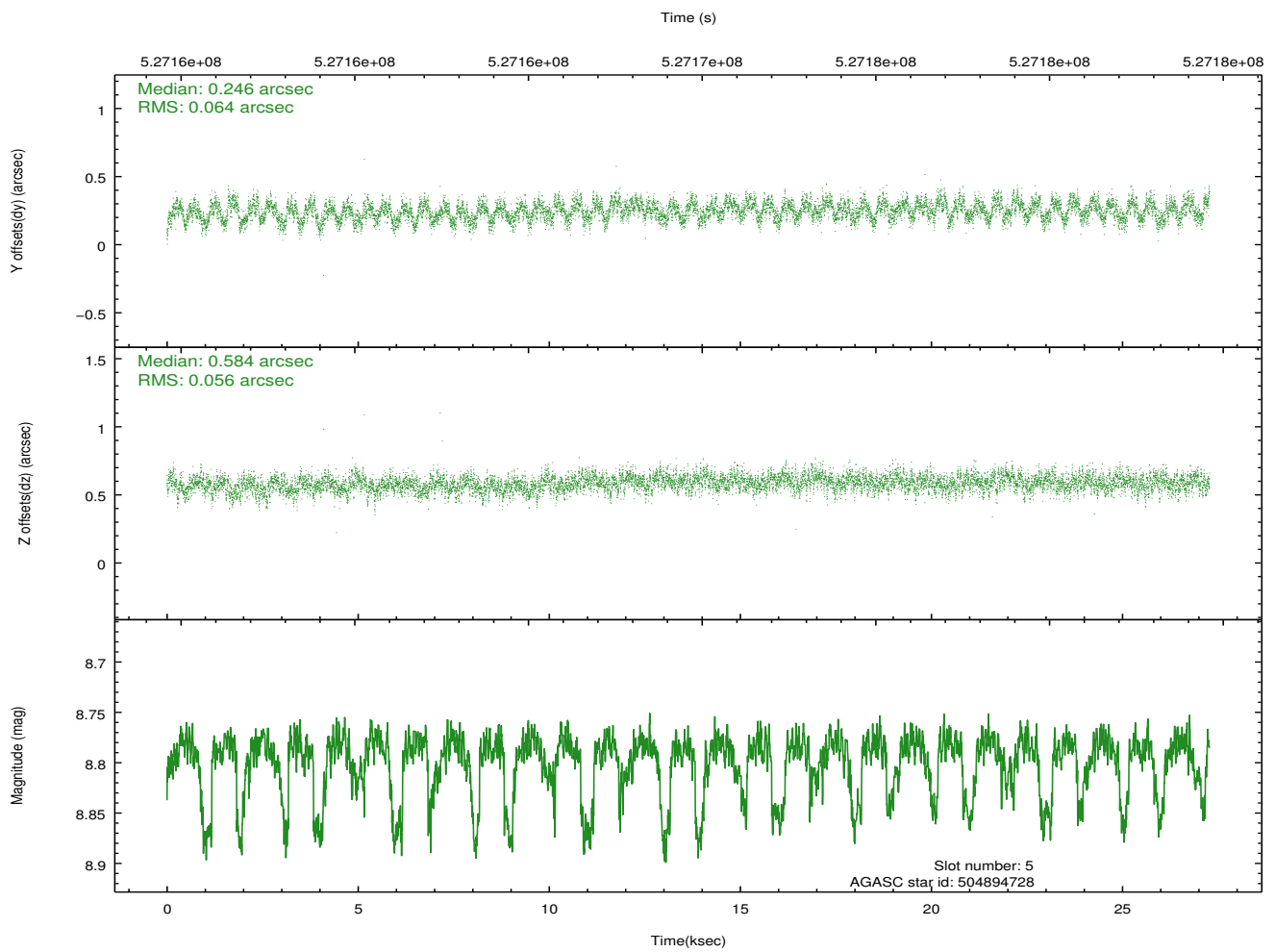
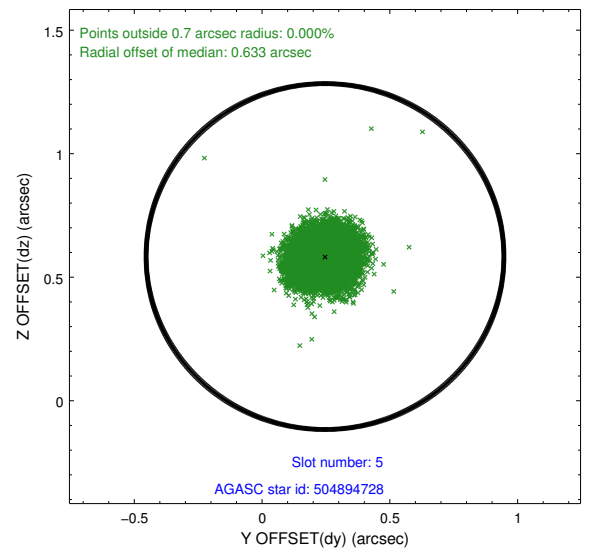
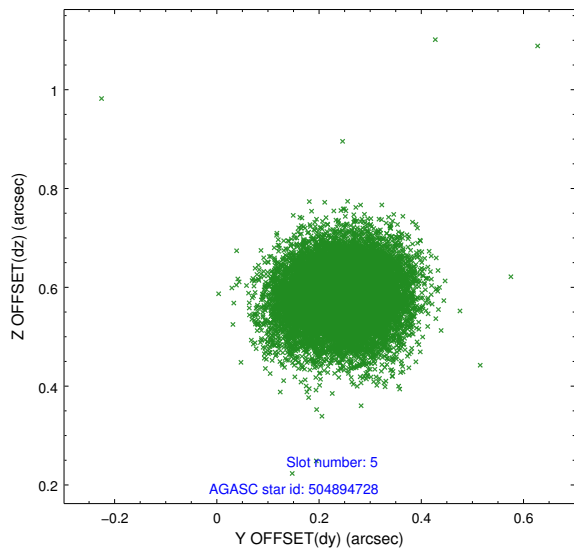
2.4.1 Slot 3



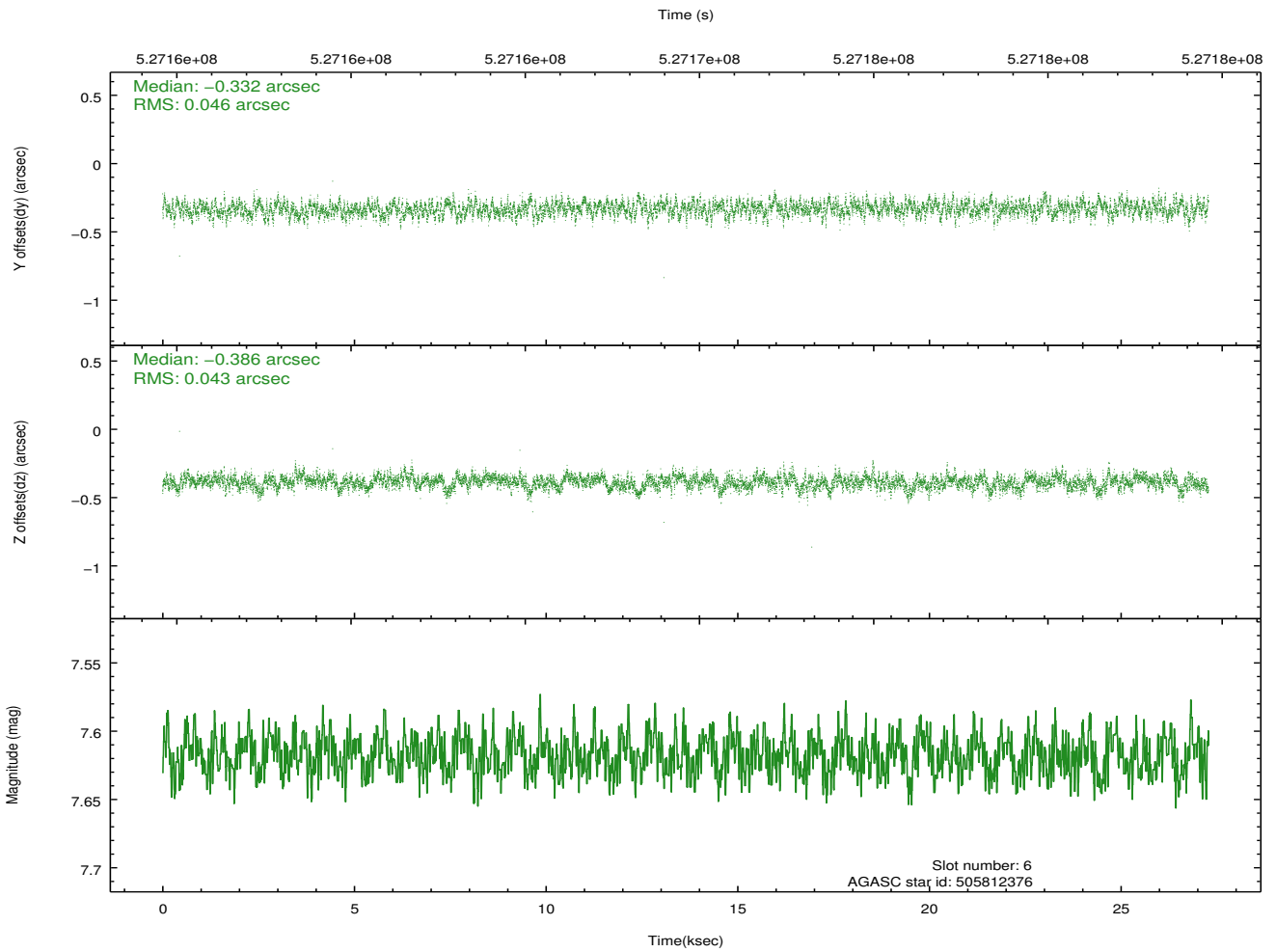
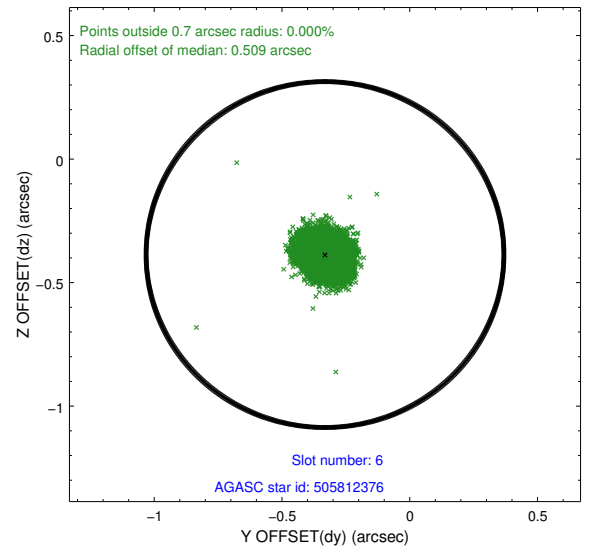
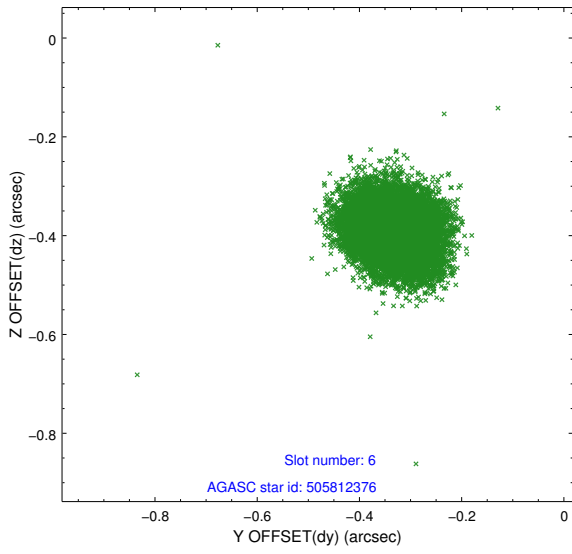
2.4.2 Slot 4



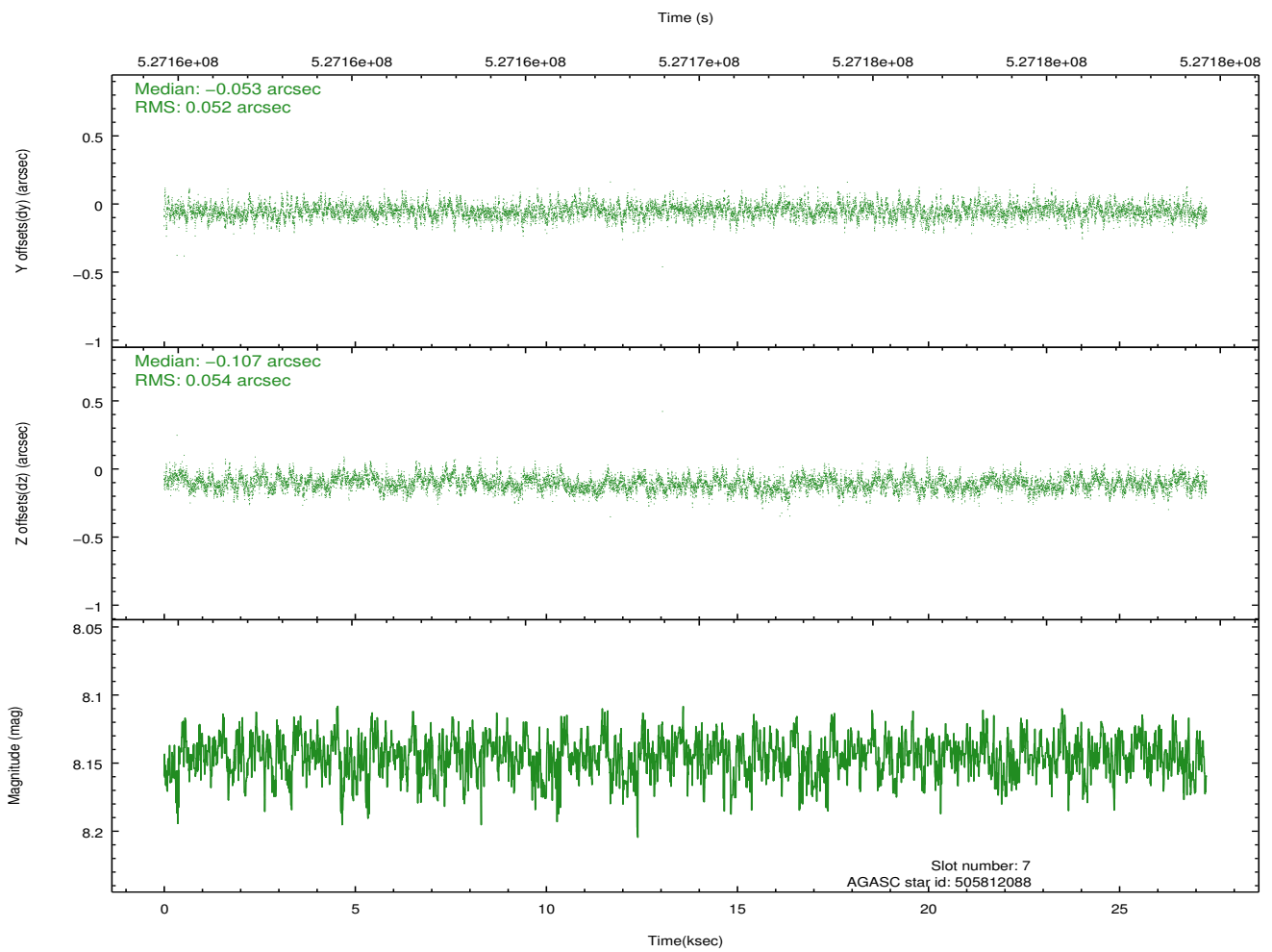
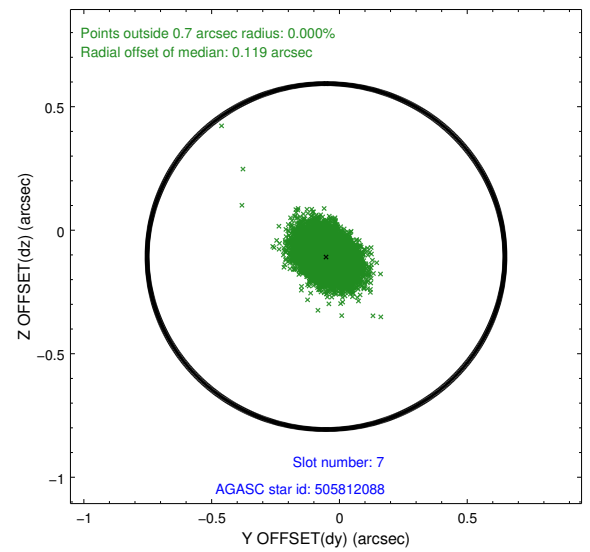
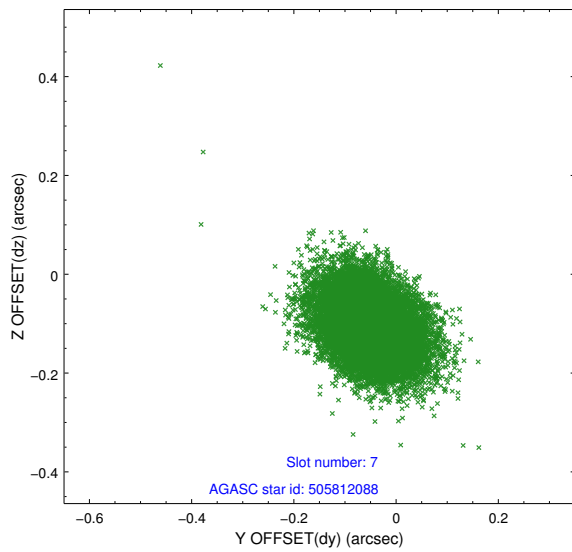
2.4.3 Slot 5



2.4.4 Slot 6

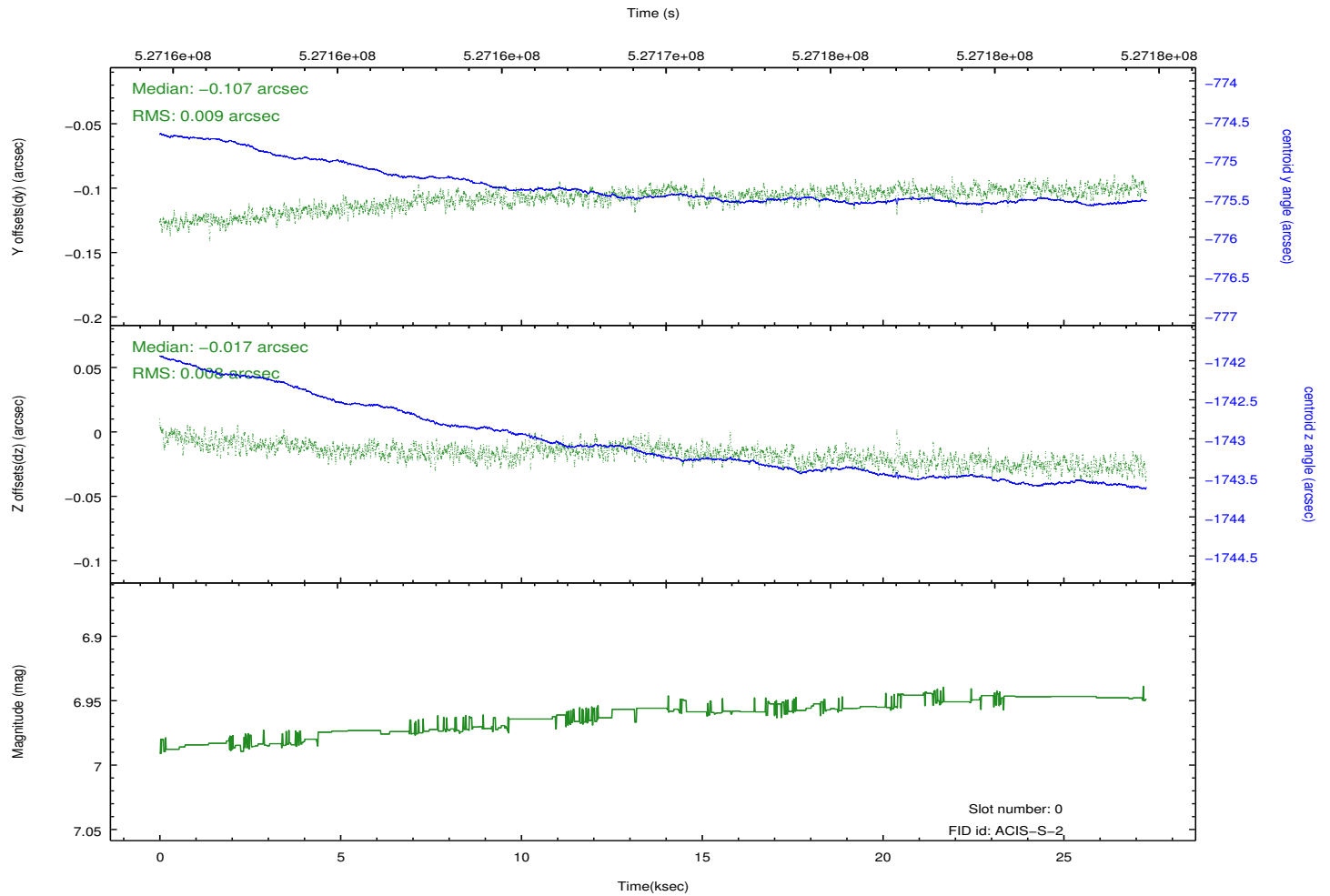
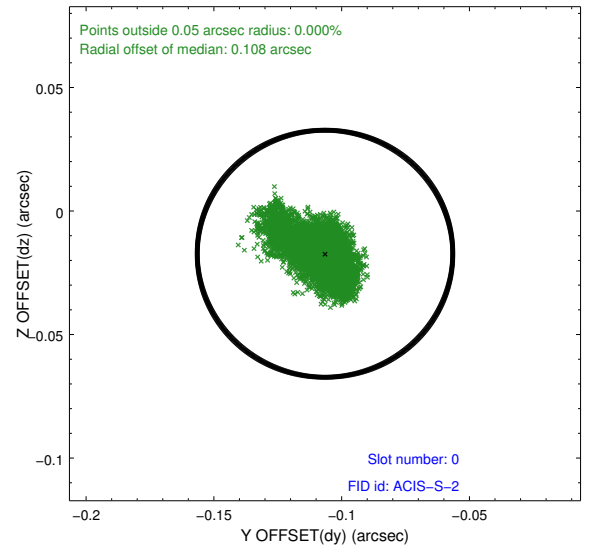
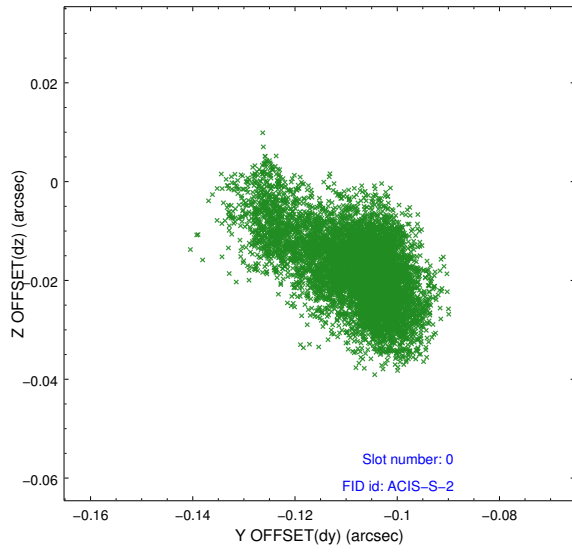


2.4.5 Slot 7

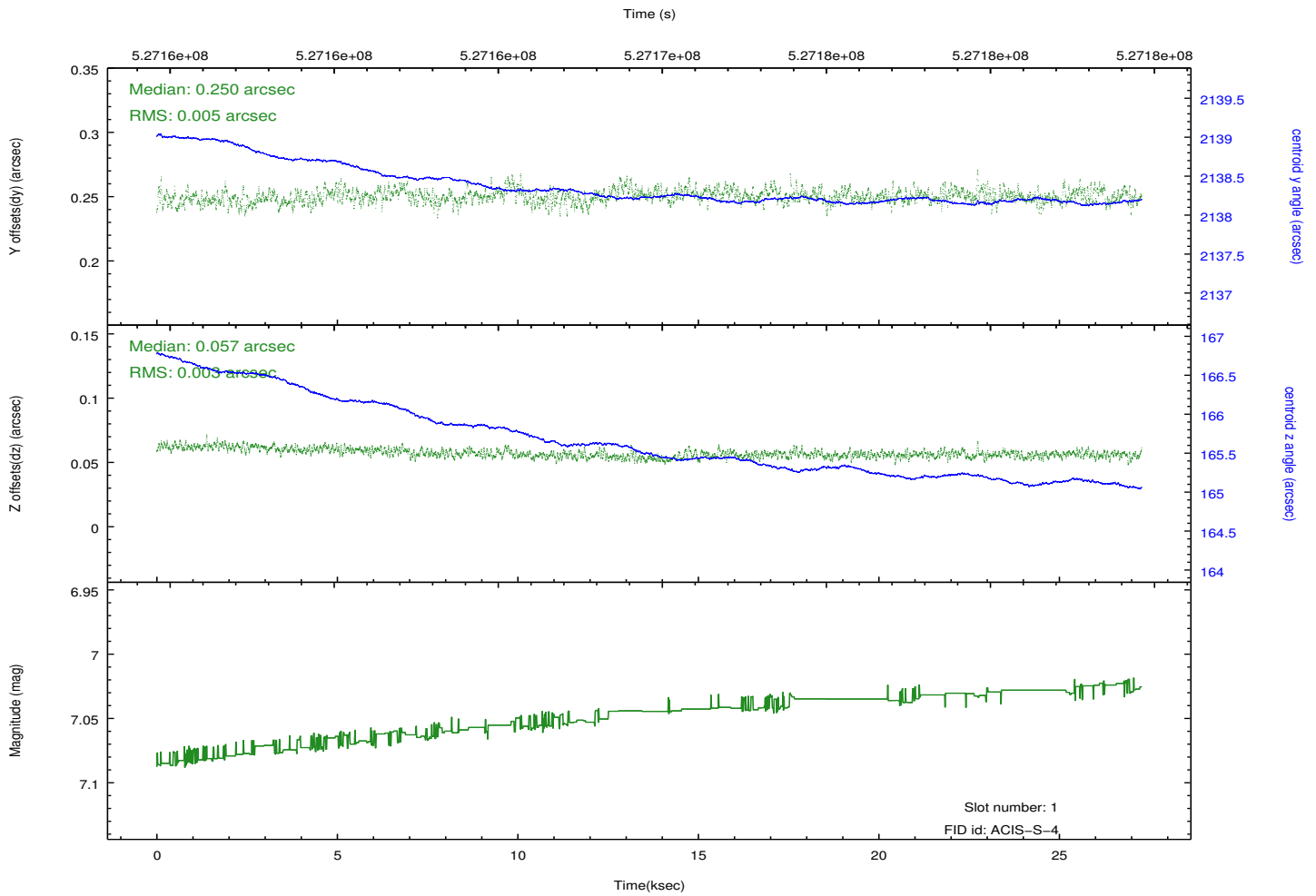
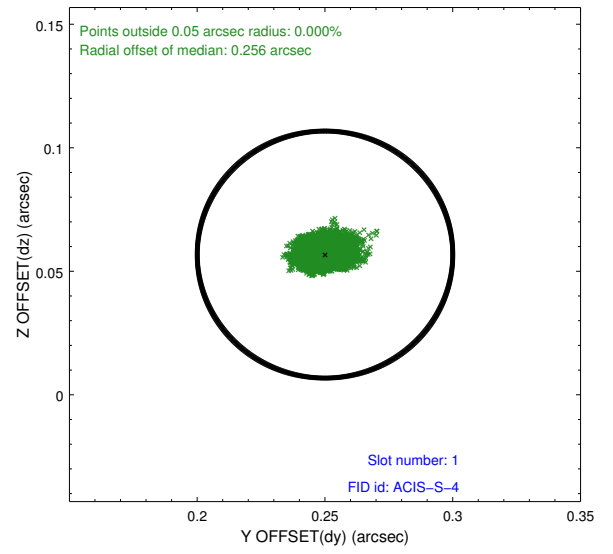
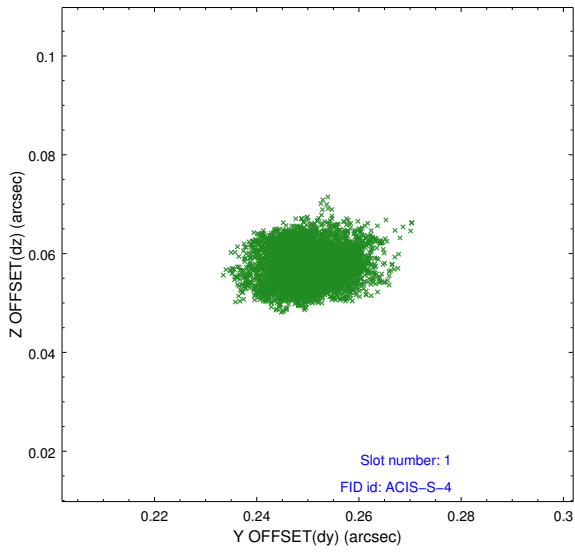


2.5 FID Slots

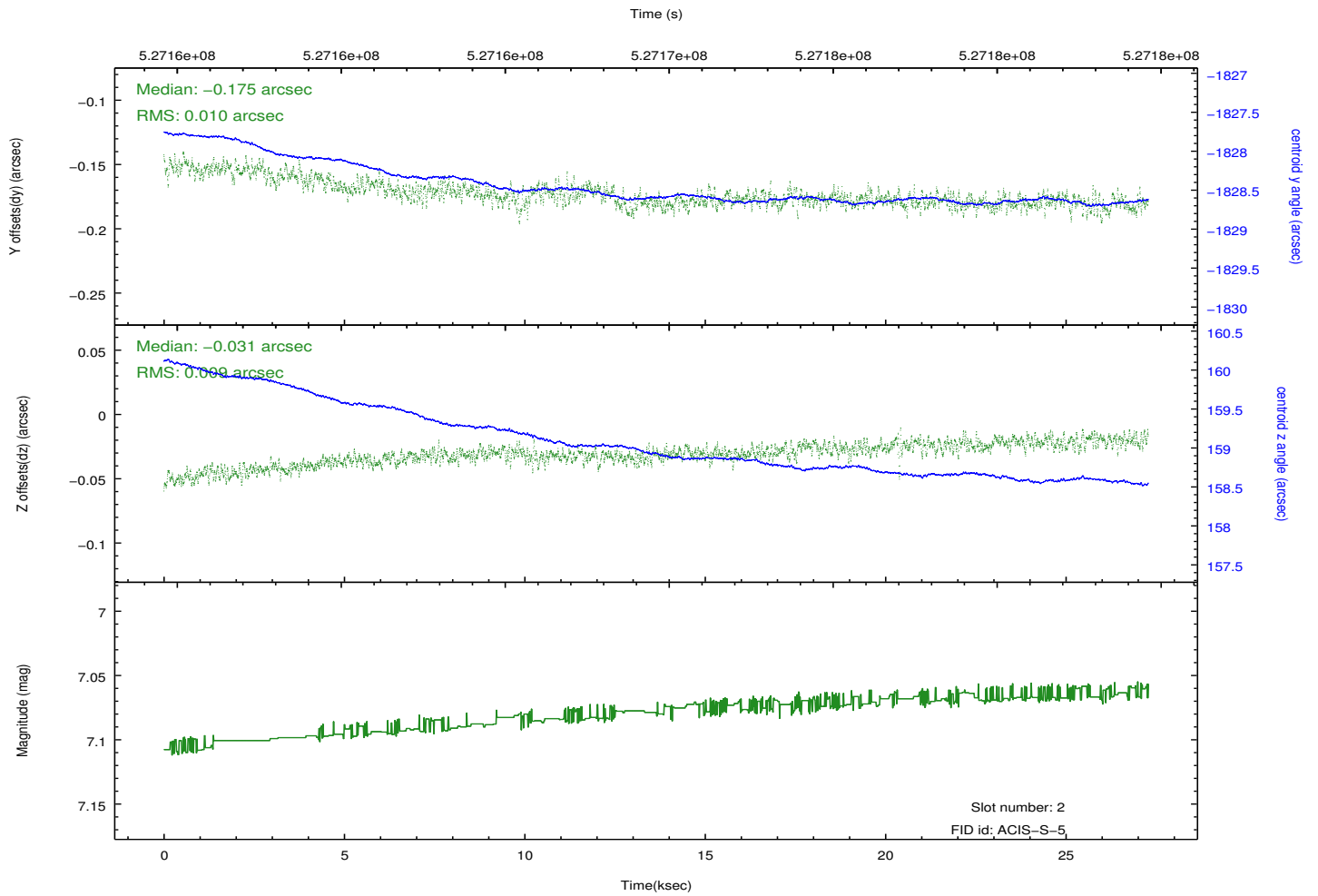
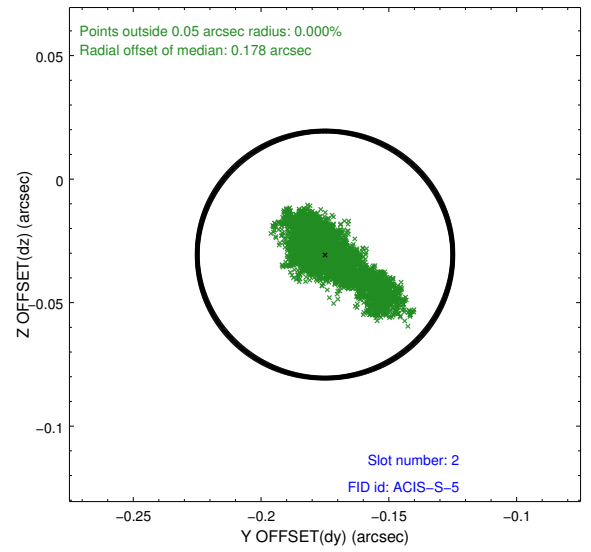
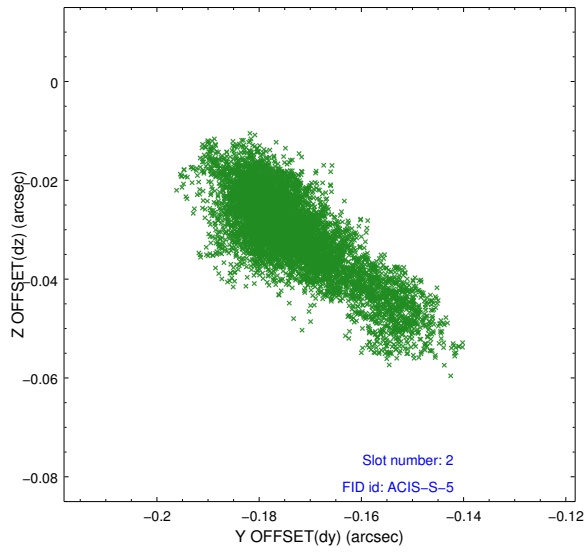
2.5.1 Slot 0



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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.957600207329

A.2 Comments