

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13624 - L2 Version 1
Chandra X-Ray Center

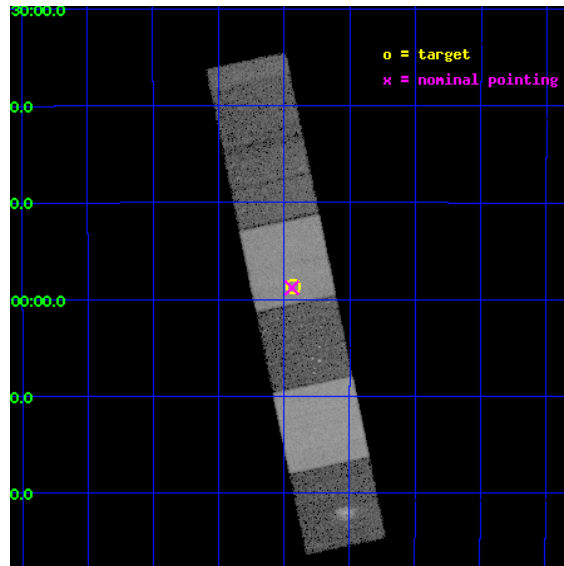
L2 Processing Date : Jun 19 2012

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1 Front

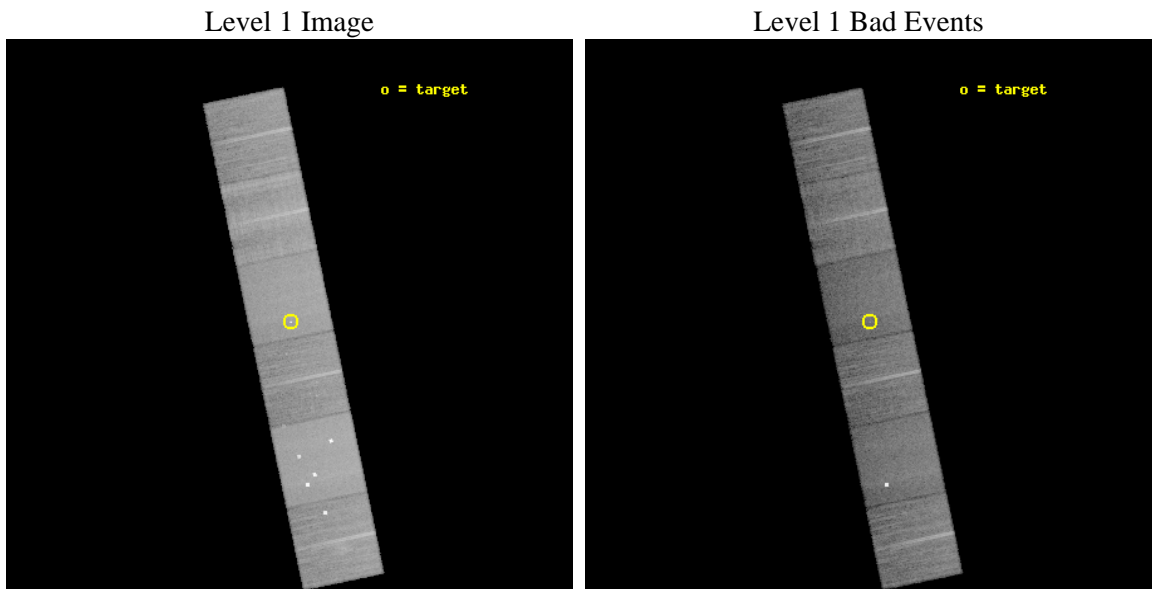
seq_num	200778	Sequence number
obs_id	13624	Observation id
title	Characterizing the X-ray Properties of Extreme Magnetic Massive Stars	Proposal title
observer	Dr. Veronique Petit	Principal investigator
object	HR 5907	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	238.482917	Observer's specified target RA [deg]
dec_targ	-23.978083	Observer's specified target Dec [deg]
ra_nom	238.48528954439	Nominal RA [deg]
dec_nom	-23.980182762392	Nominal Dec [deg]
roll_nom	258.15759256107	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25961.018690884	Sum of GTIs [s]
livetime	25632.284640371	Livetime [s]
ontime4	25961.059730887	Sum of GTIs [s]
ontime5	25960.977650881	Sum of GTIs [s]
ontime6	25960.936610878	Sum of GTIs [s]
ontime7	25961.018690884	Sum of GTIs [s]
ontime8	25960.895570874	Sum of GTIs [s]
ontime9	25960.854530871	Sum of GTIs [s]
l2events	257185	Number of level 2 events



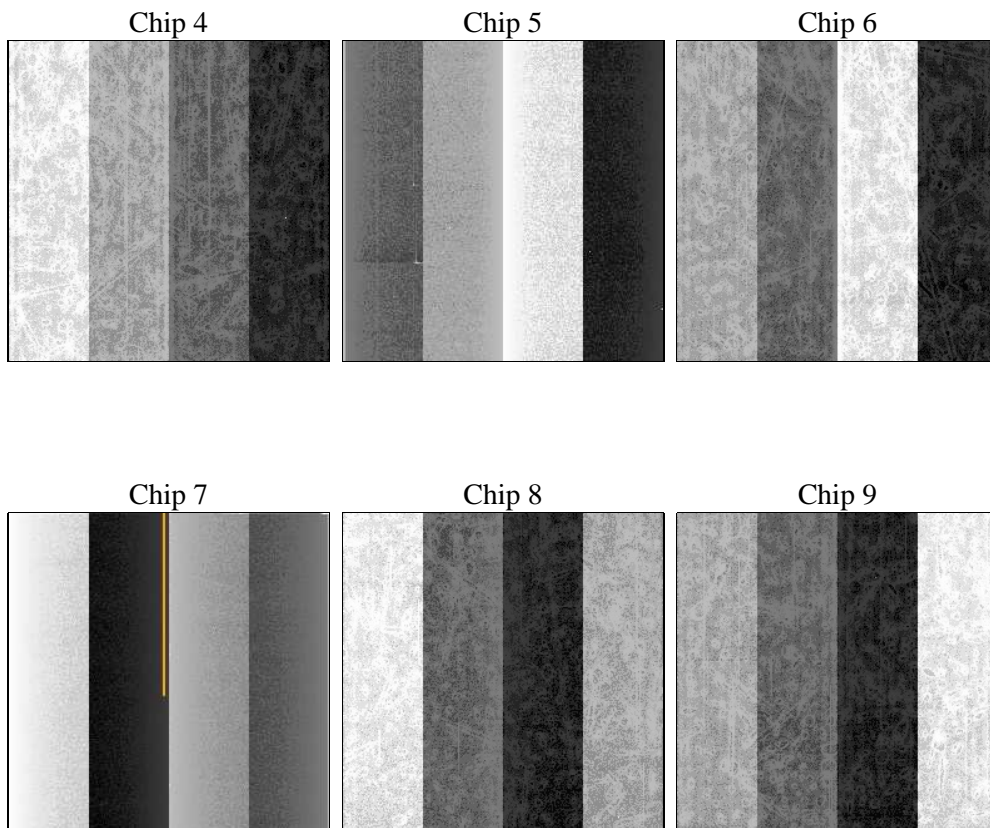
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25961.018690884	Sum of GTIs [s]
caldbver	4.4.10	 	ontime4	25961.059730887	Sum of GTIs [s]
date	2012-06-19T14:28:10	Date and time of file creation	ontime5	25960.977650881	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	25960.936610878	Sum of GTIs [s]
			ontime7	25961.018690884	Sum of GTIs [s]
			ontime8	25960.895570874	Sum of GTIs [s]
			ontime9	25960.854530871	Sum of GTIs [s]
			l1events	1095195	Number of level 1 events

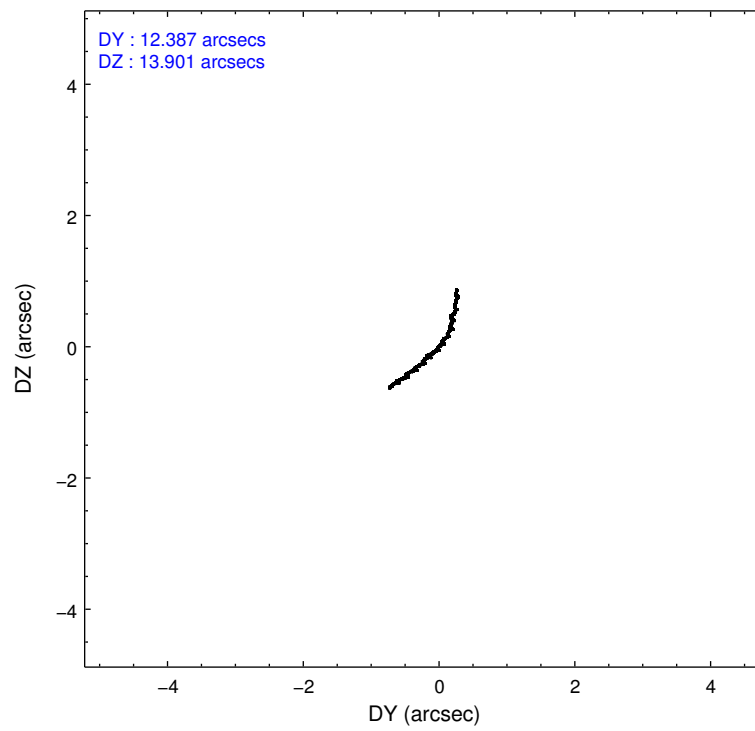
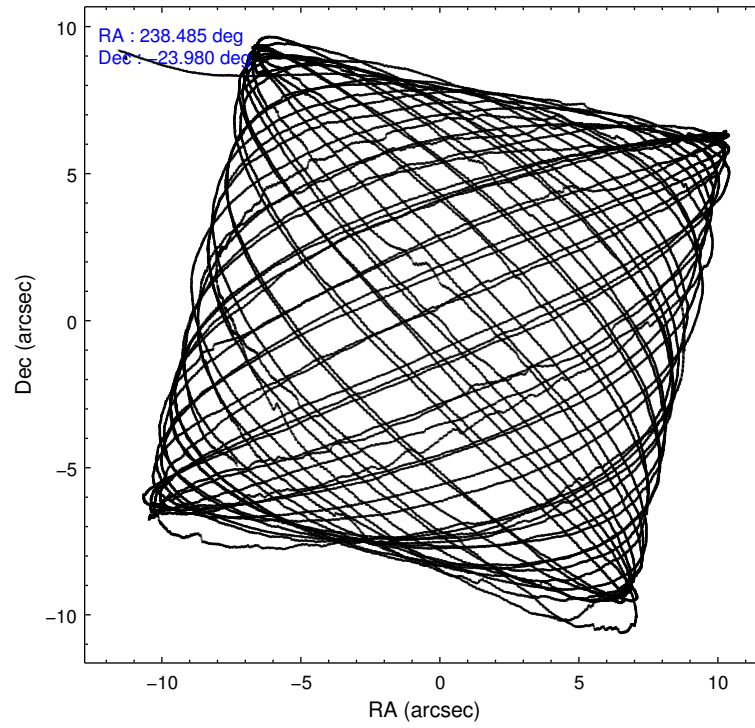
2.1.4 Events

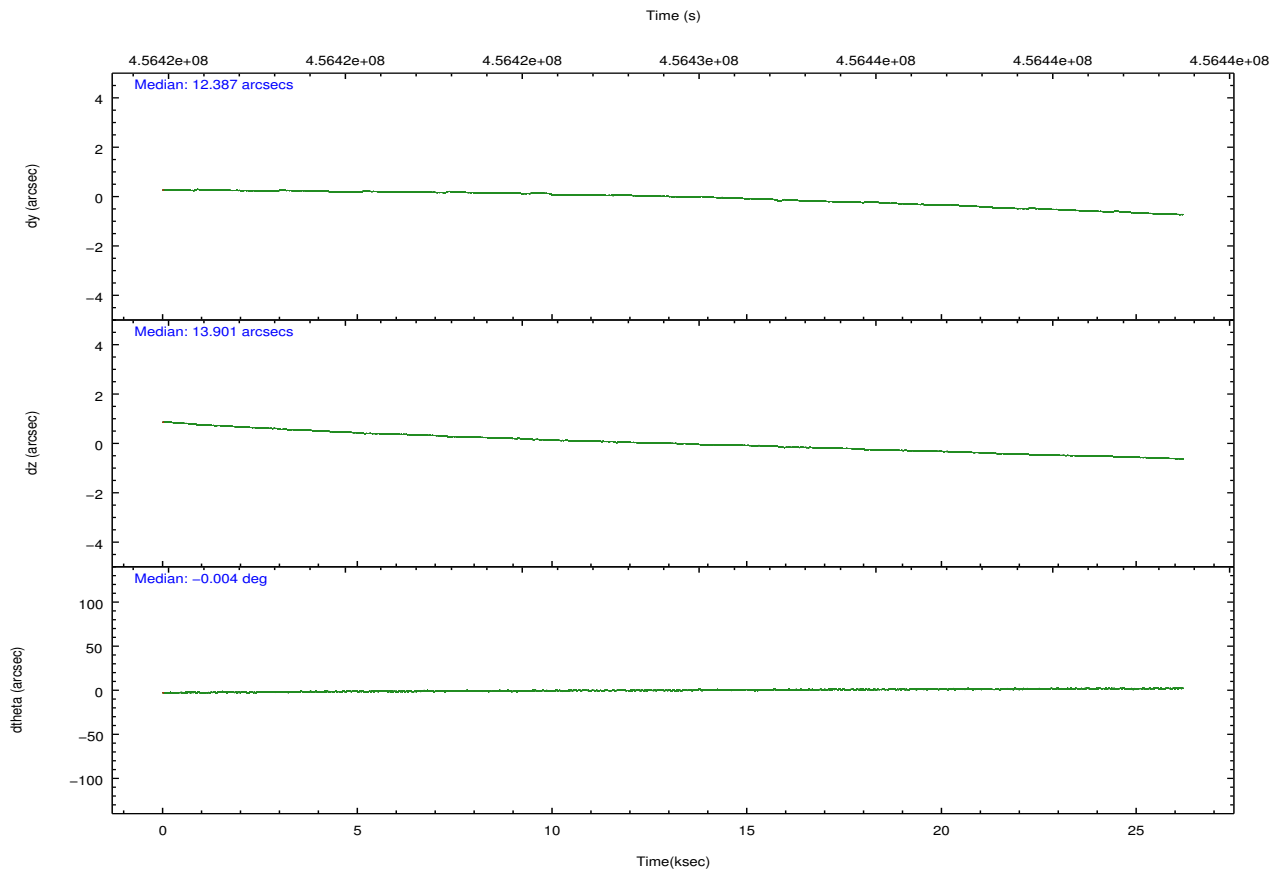
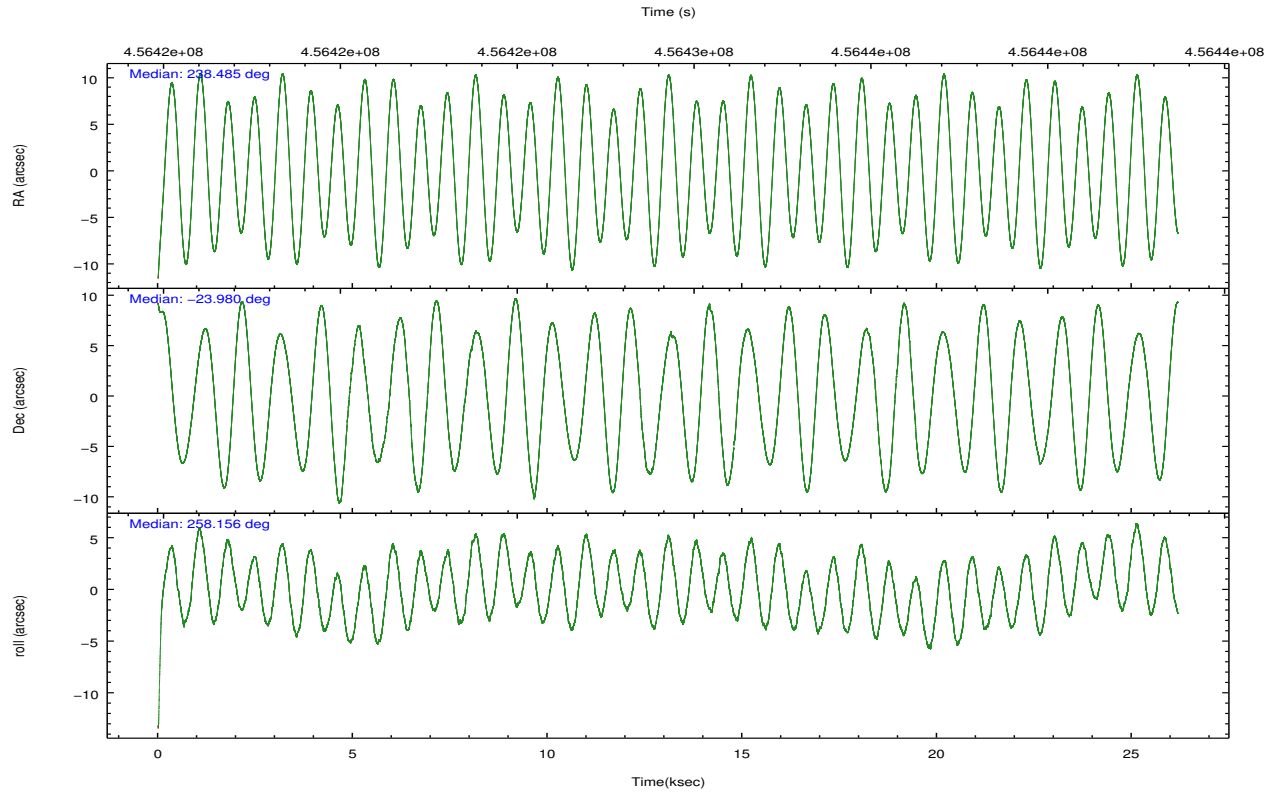
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	170390	251831	142027	191566	196897	142484	grade 0 events	15218	23424	7204	8388	17608	6982
rejected events	143463	126565	123542	104582	139952	123736		8%	9%	5%	4%	8%	4%
rejected %	84%	50%	86%	54%	71%	86%	grade 1 events	206	429	94	243	163	103
								0%	0%	0%	0%	0%	0%
							grade 2 events	4733	33905	3914	18000	12089	4010
								2%	13%	2%	9%	6%	2%
							grade 3 events	1911	4416	1765	7699	6737	1944
								1%	1%	1%	4%	3%	1%
							grade 4 events	1912	3898	1732	7603	6402	1852
								1%	1%	1%	3%	3%	1%
							grade 5 events	7076	23188	7151	19676	10359	7794
								4%	9%	5%	10%	5%	5%
							grade 6 events	3160	59663	3873	45324	14127	3961
								1%	23%	2%	23%	7%	2%
							grade 7 events	136174	102908	116294	84633	129412	115838
								79%	40%	81%	44%	65%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	238.475576	238.4852895443895	CCD I2 on	N	N
[deg] Pointing Dec	-23.954335	-23.98018276239215	CCD I3 on	N	N
[deg] Pointing Roll	257.997026	258.1575925610735	CCD S0 on	O4	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	456416361.184000	456414767.8566	CCD S5 on	O3	Y
Observation start date	2012-06-18T14:18:15	2012-06-18T13:52:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	456442361.184000	456443258.24562	On-chip summing requested	N	N
Observation end date	2012-06-18T21:31:35	2012-06-18T21:47:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



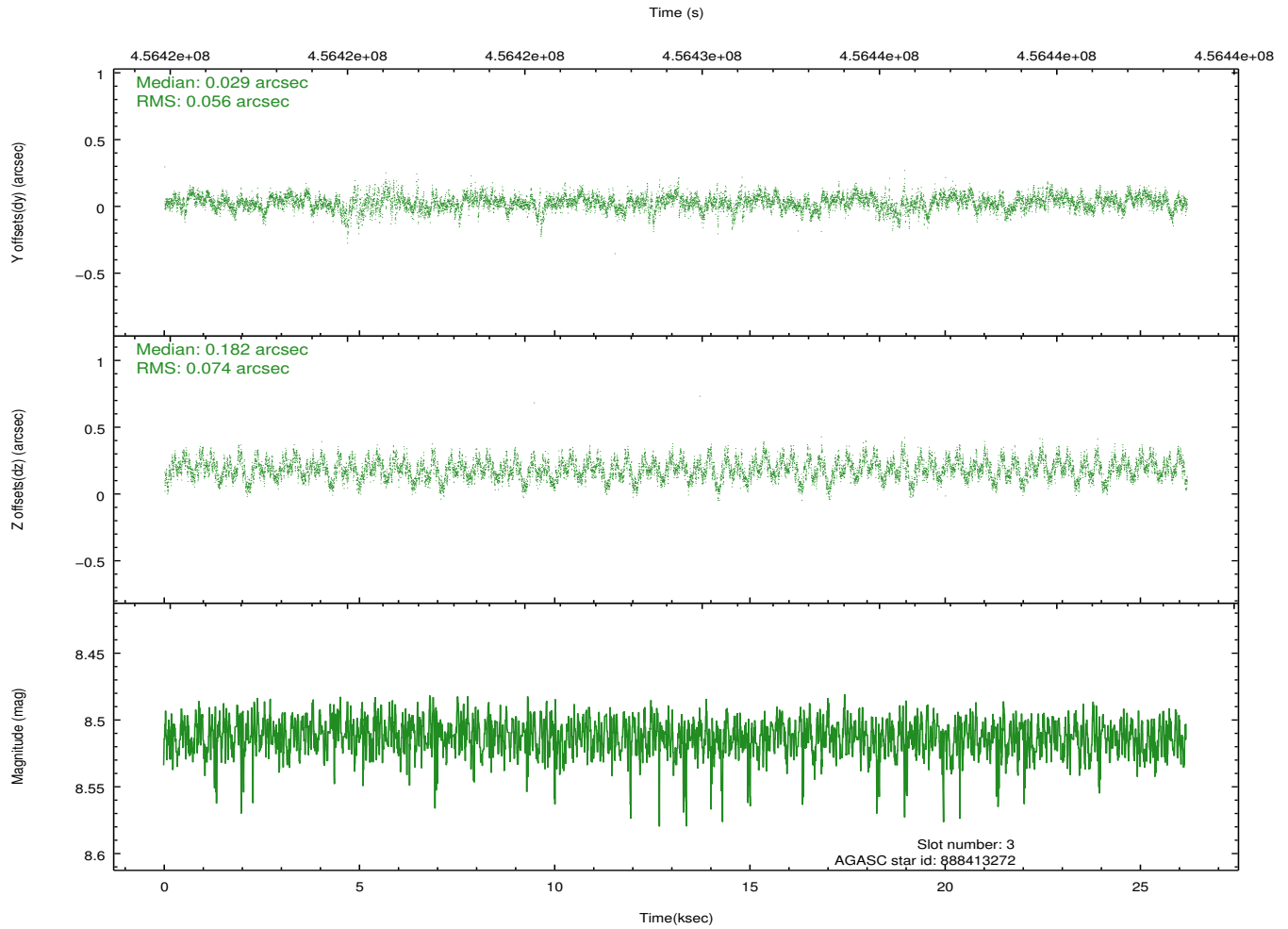
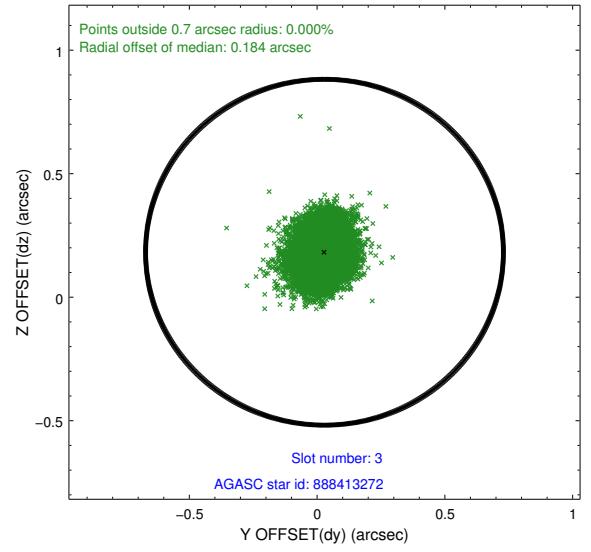
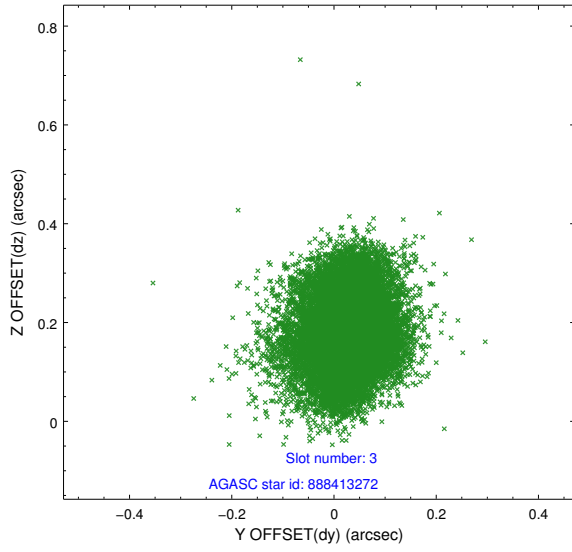


Slot Statistics

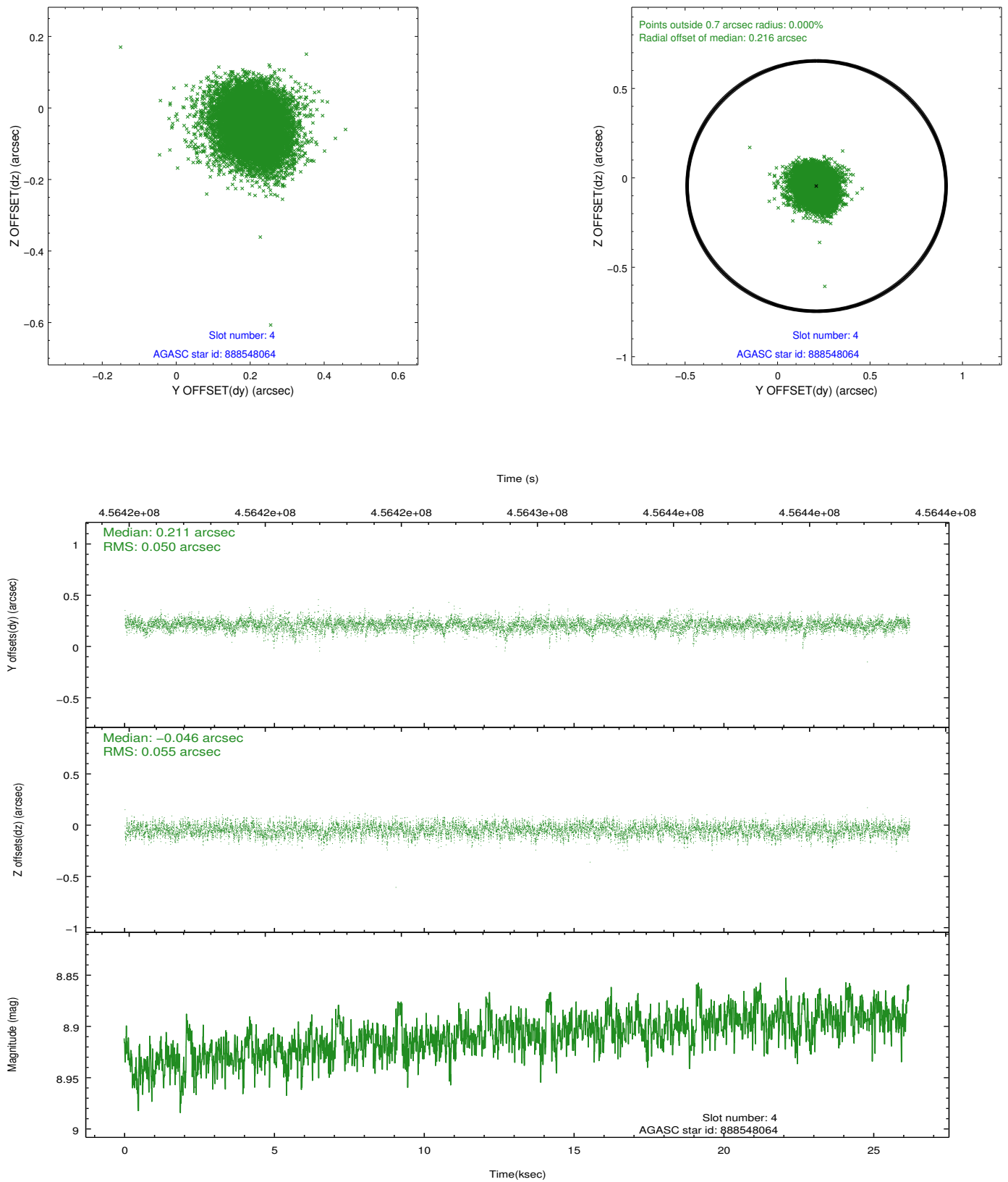
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	6388	-0.056	-0.044	0.011	0.018	0.000000	0.000000	-765.26	-1735.32
1	FID	ACIS-S-4	7.04	6388	0.194	0.039	0.013	0.022	0.000000	0.000000	2148.23	173.13
2	FID	ACIS-S-5	7.07	6388	-0.168	0.014	0.012	0.019	0.000000	0.000000	-1818.07	166.91
3	GUIDE	888413272	8.51	12770	0.029	0.182	0.099	0.158	237.895980	-23.303774	-1888.10	-2360.61
4	GUIDE	888548064	8.91	12770	0.211	-0.046	0.077	0.129	238.749463	-23.788370	-770.42	758.05
5	GUIDE	888549472	8.81	12765	-0.252	-0.027	0.093	0.147	238.980635	-24.294757	856.86	1876.61
6	GUIDE	889074040	8.06	12774	0.043	-0.052	0.062	0.105	238.843899	-24.670271	2272.29	1715.26
7	GUIDE	888543416	8.60	12771	-0.024	-0.050	0.086	0.142	238.823266	-23.367708	-2302.58	685.05

2.4 Star Slots

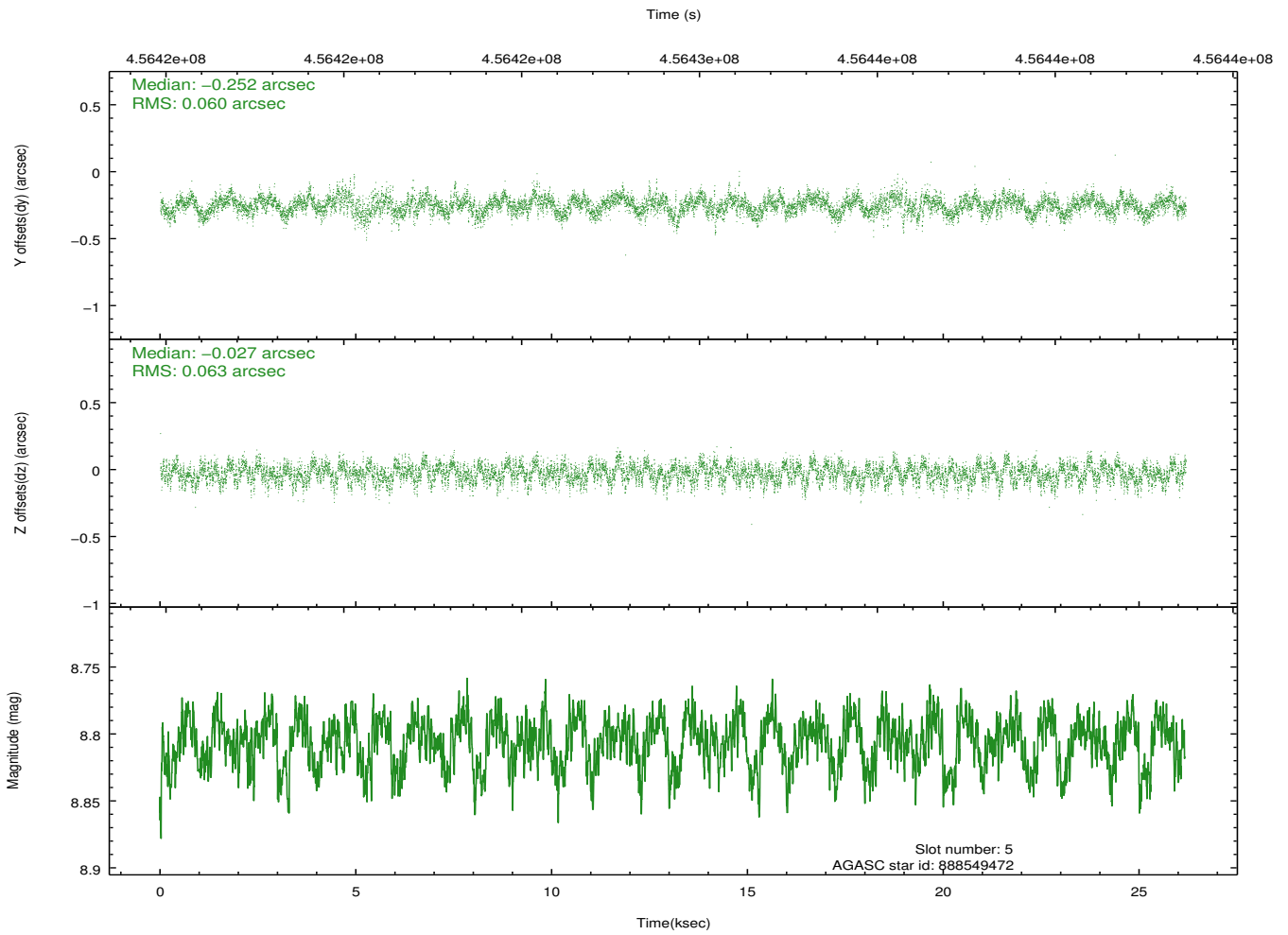
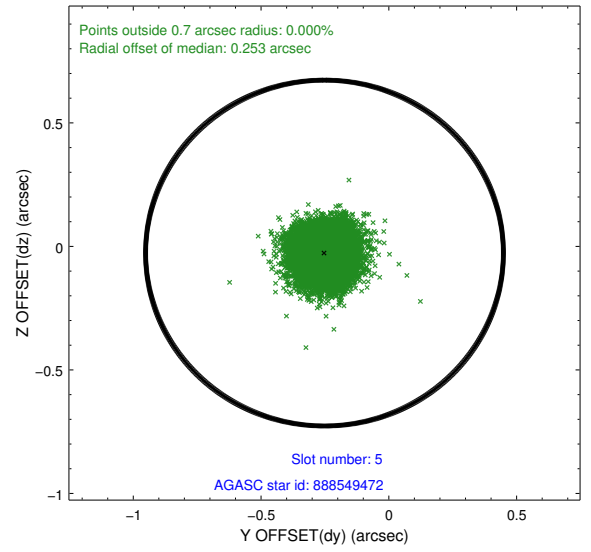
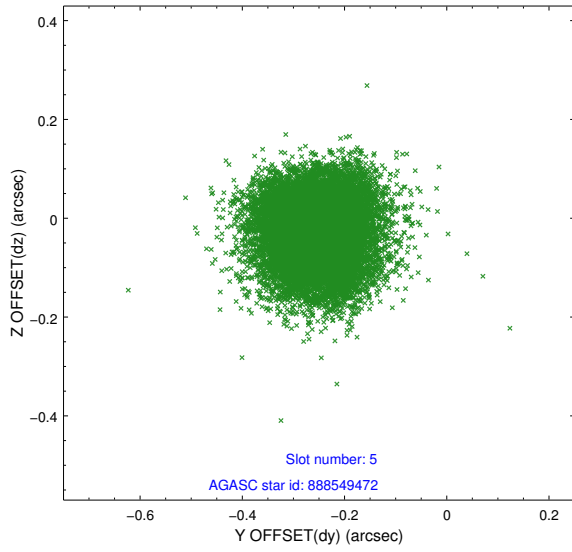
2.4.1 Slot 3



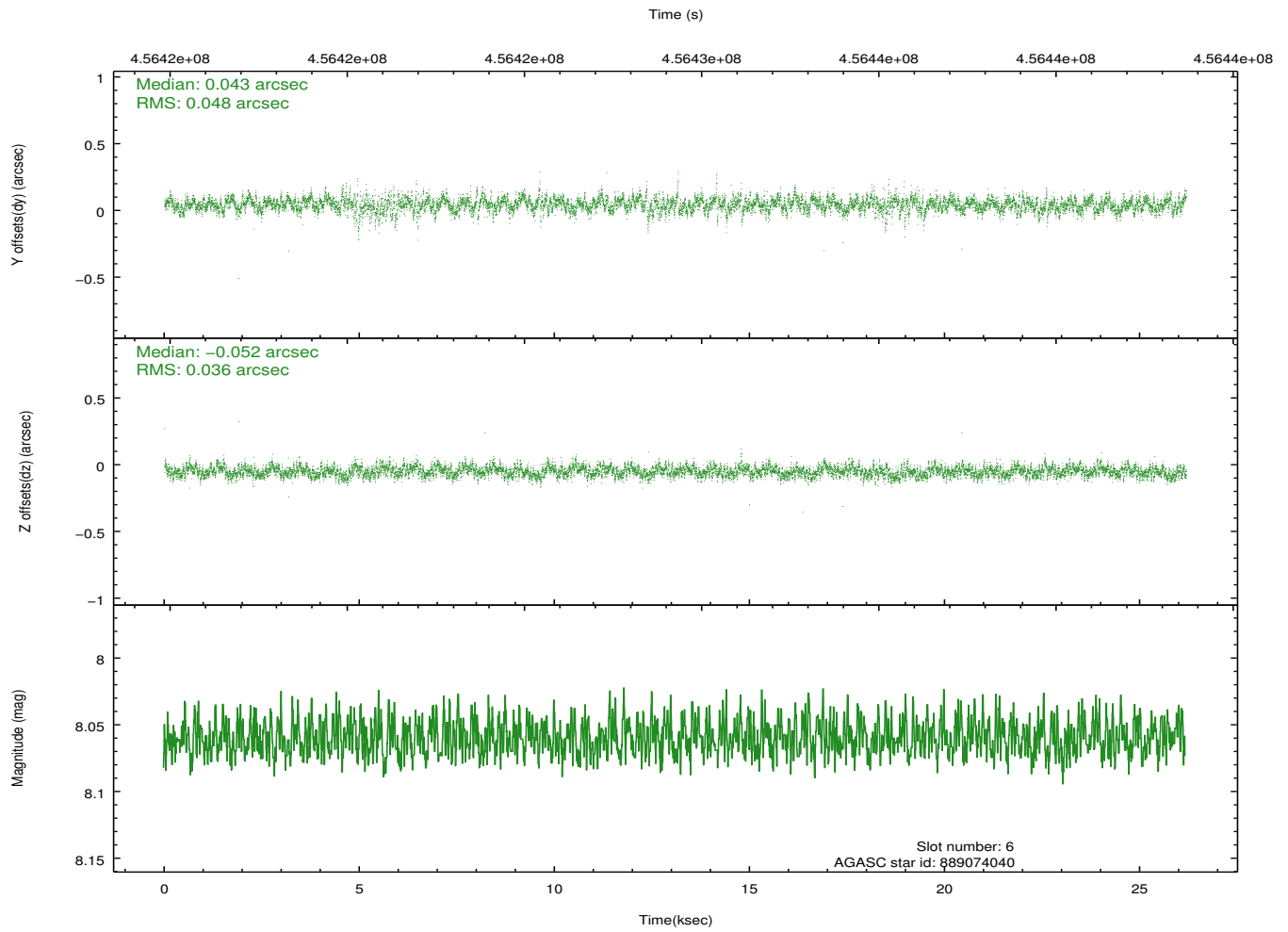
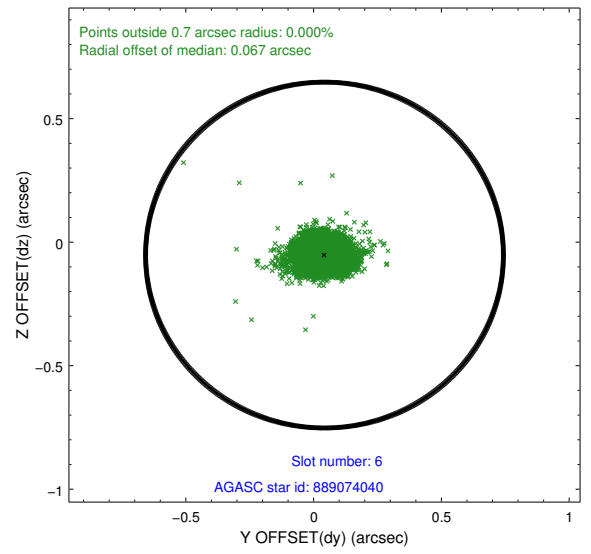
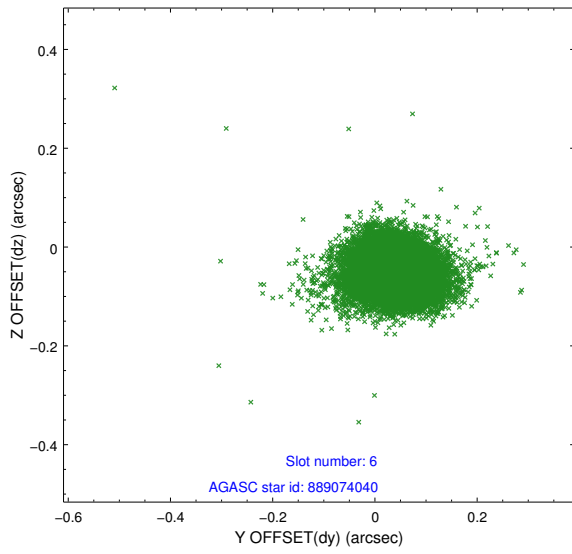
2.4.2 Slot 4



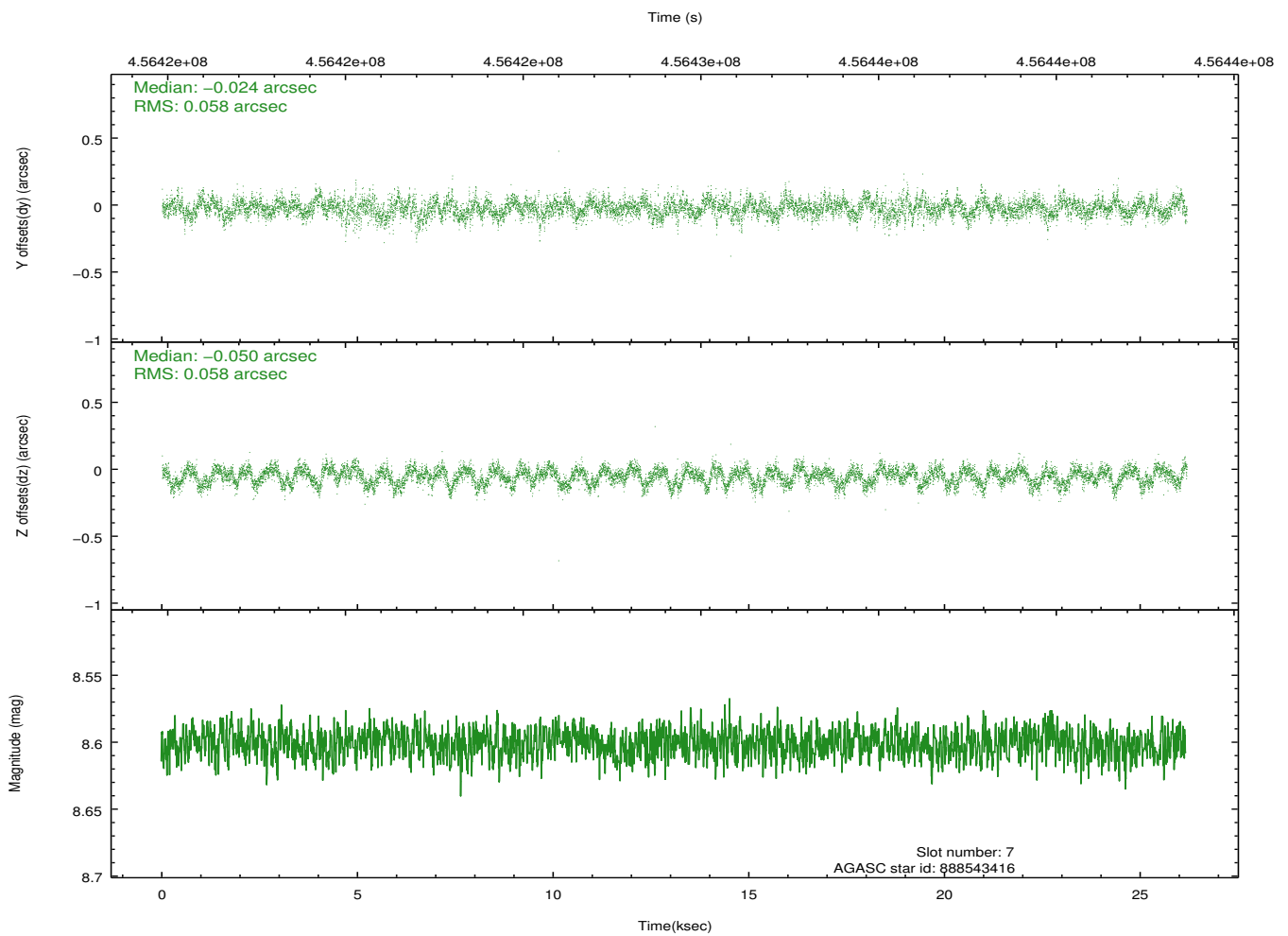
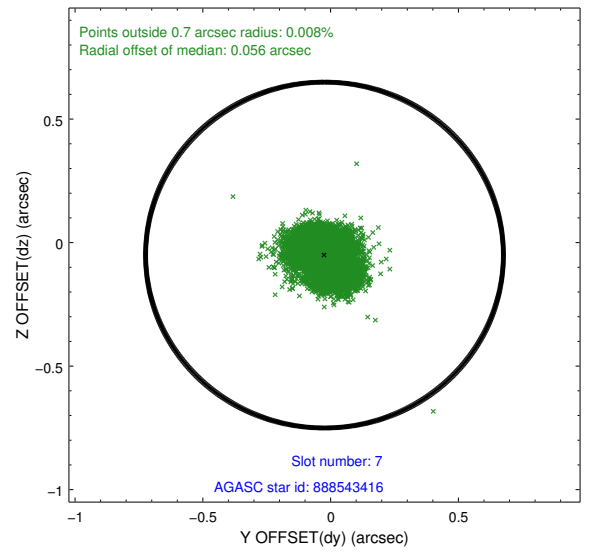
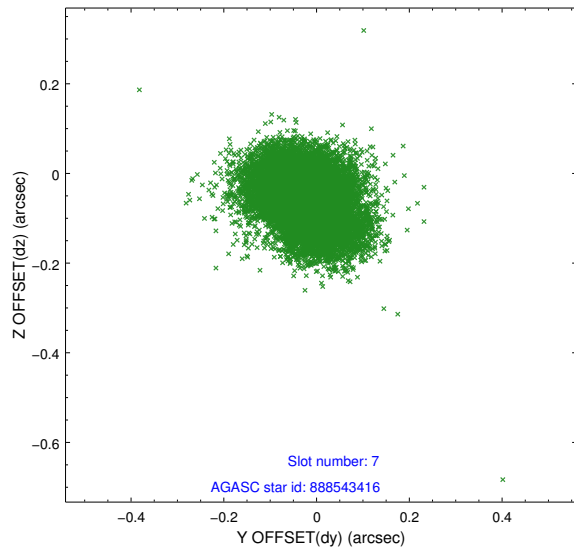
2.4.3 Slot 5



2.4.4 Slot 6

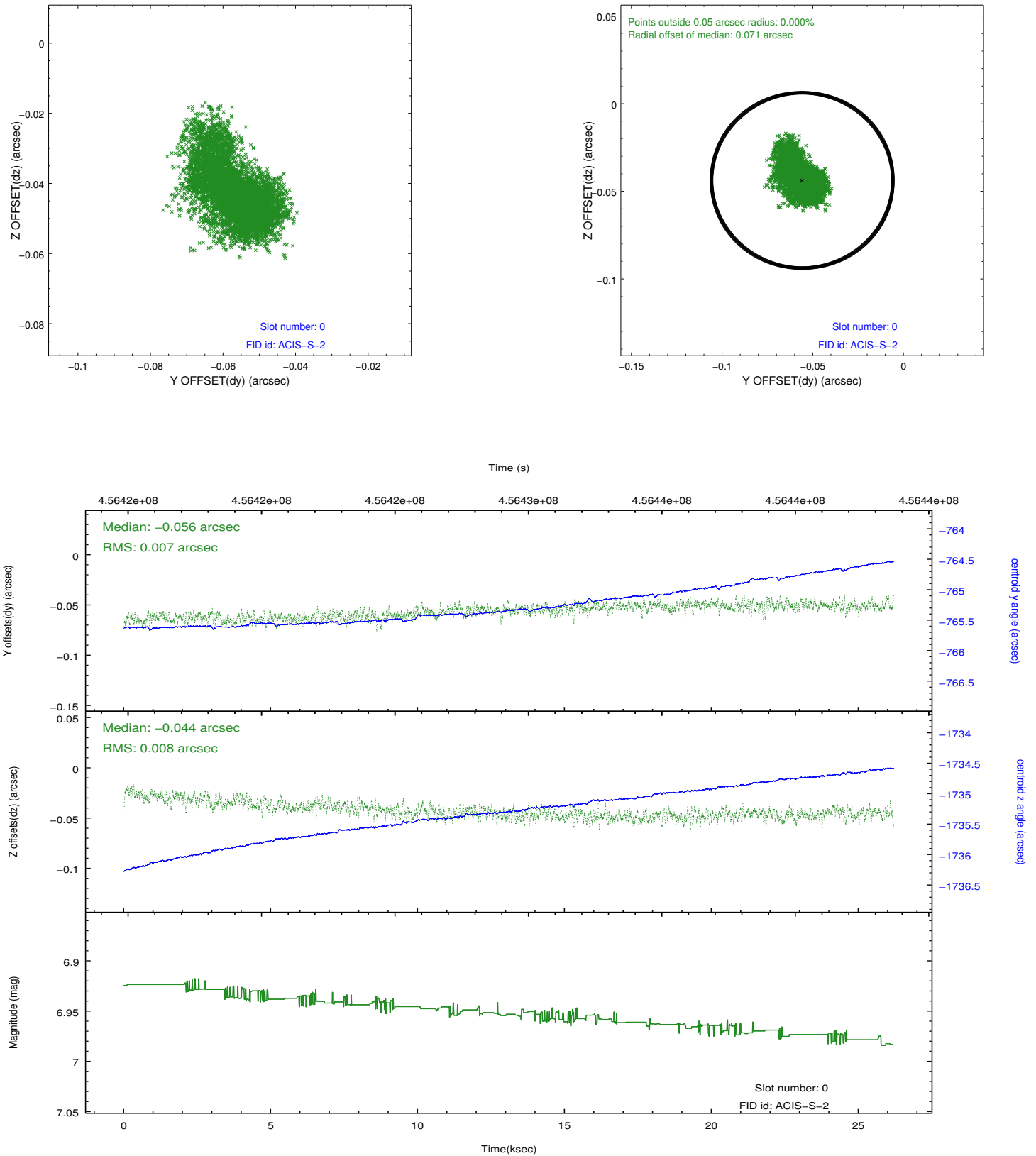


2.4.5 Slot 7

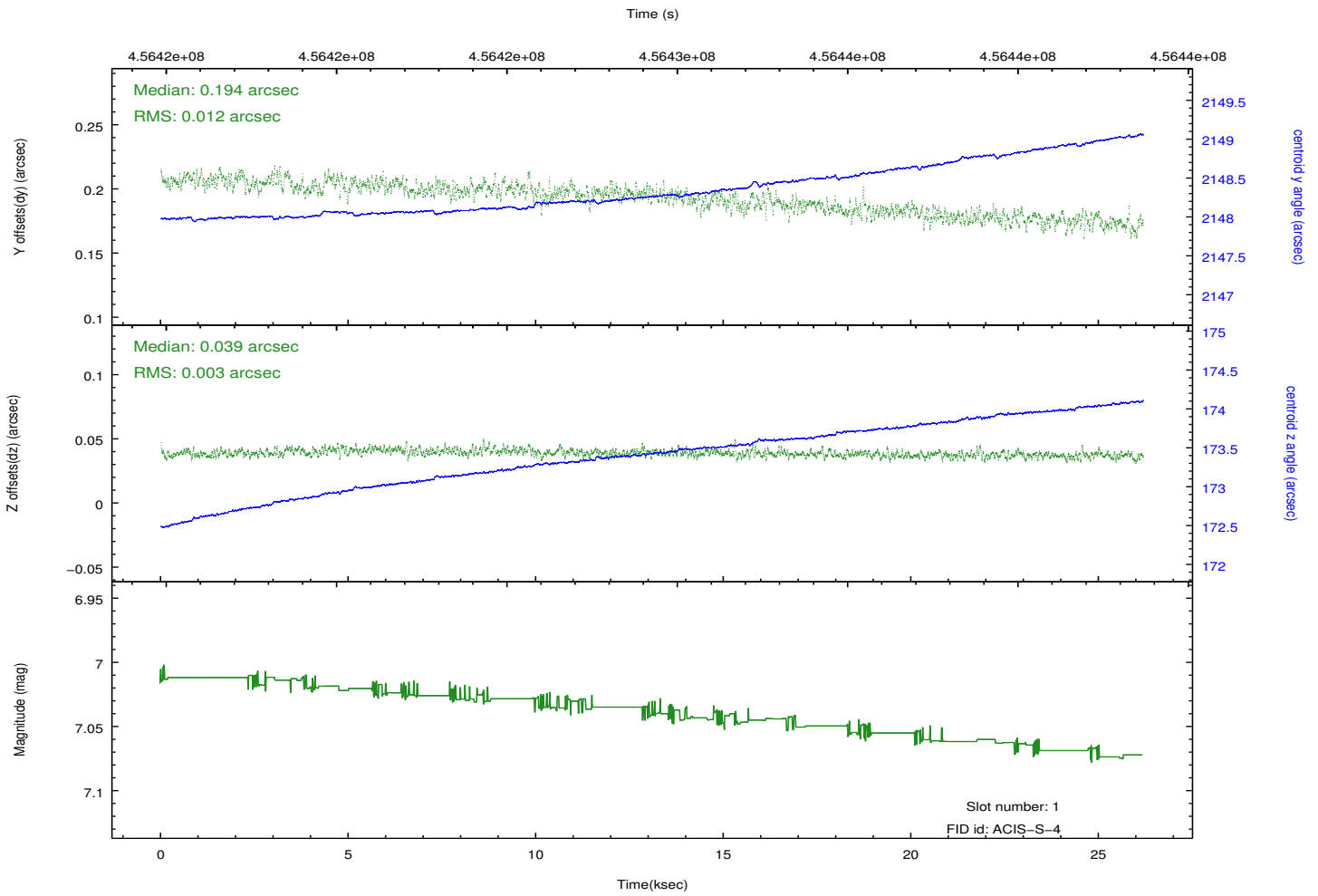
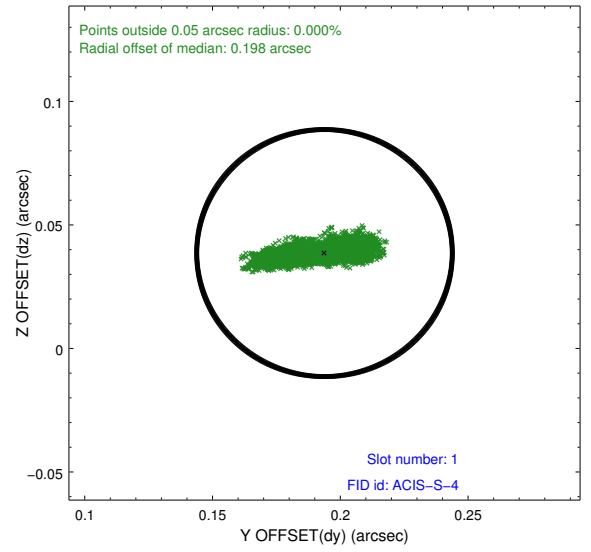
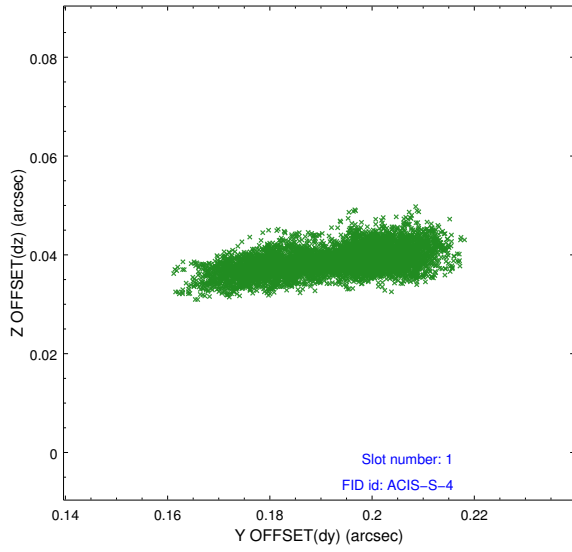


2.5 FID Slots

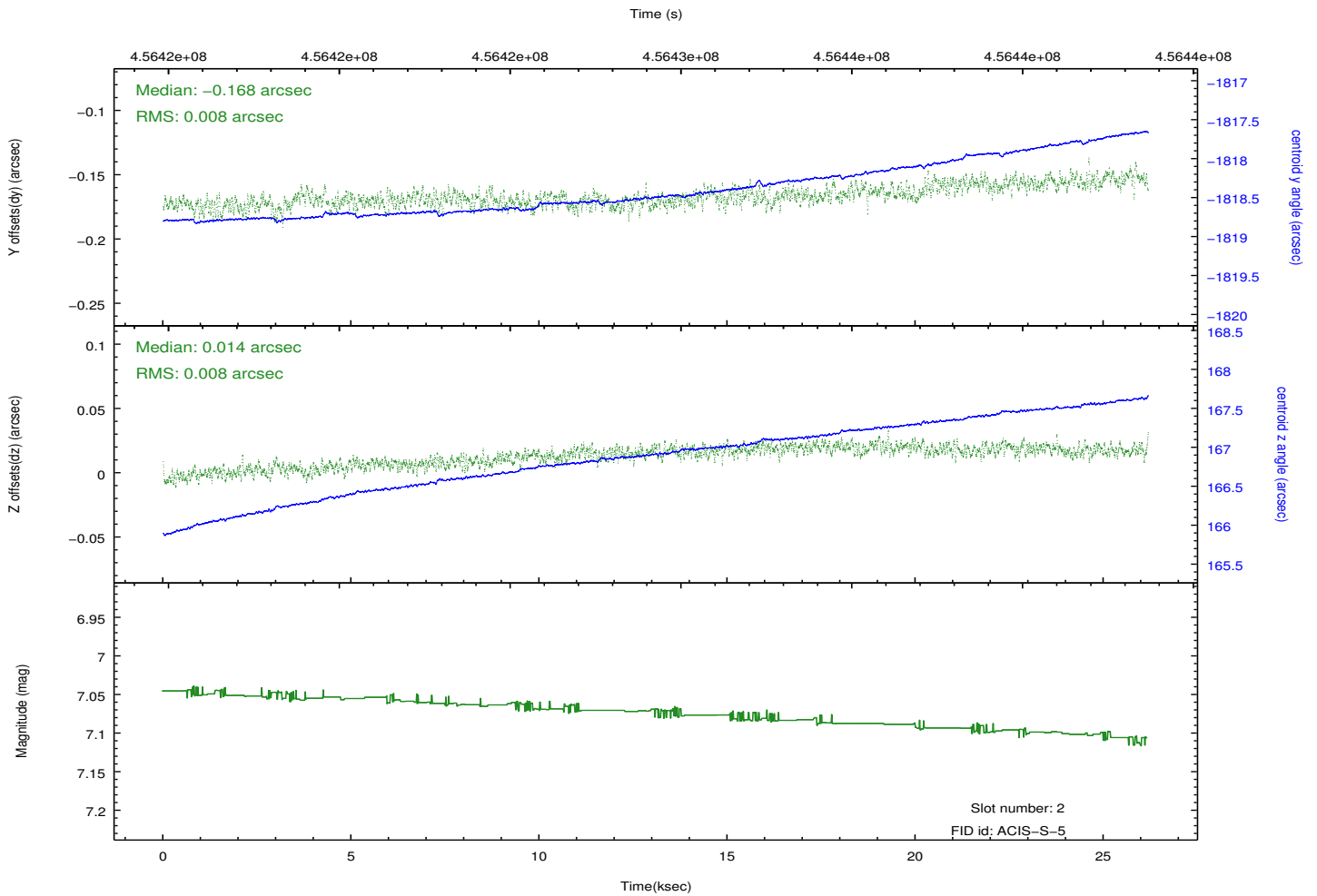
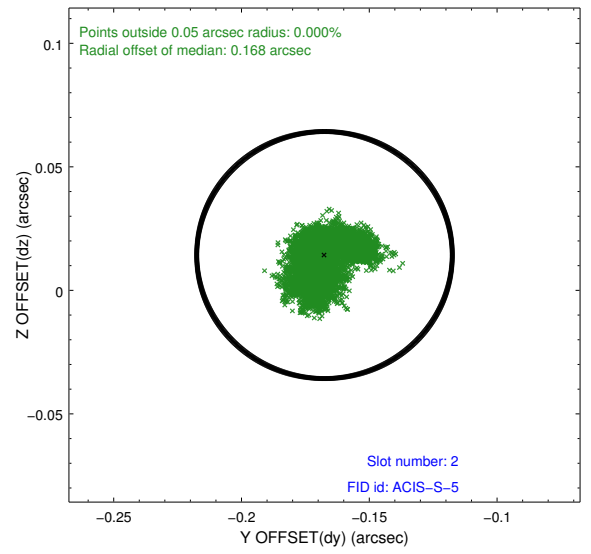
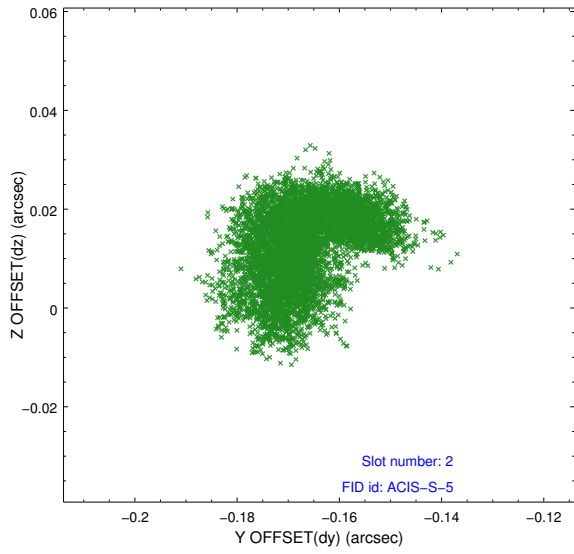
2.5.1 Slot 0



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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.961018690884

A.2 Comments