

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 20064 - L2 Version 1
Chandra X-Ray Center

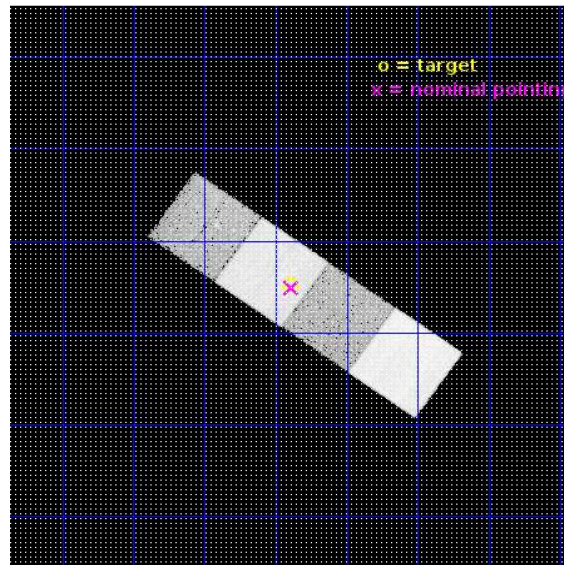
L2 Processing Date : Apr 28 2017

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1 Front

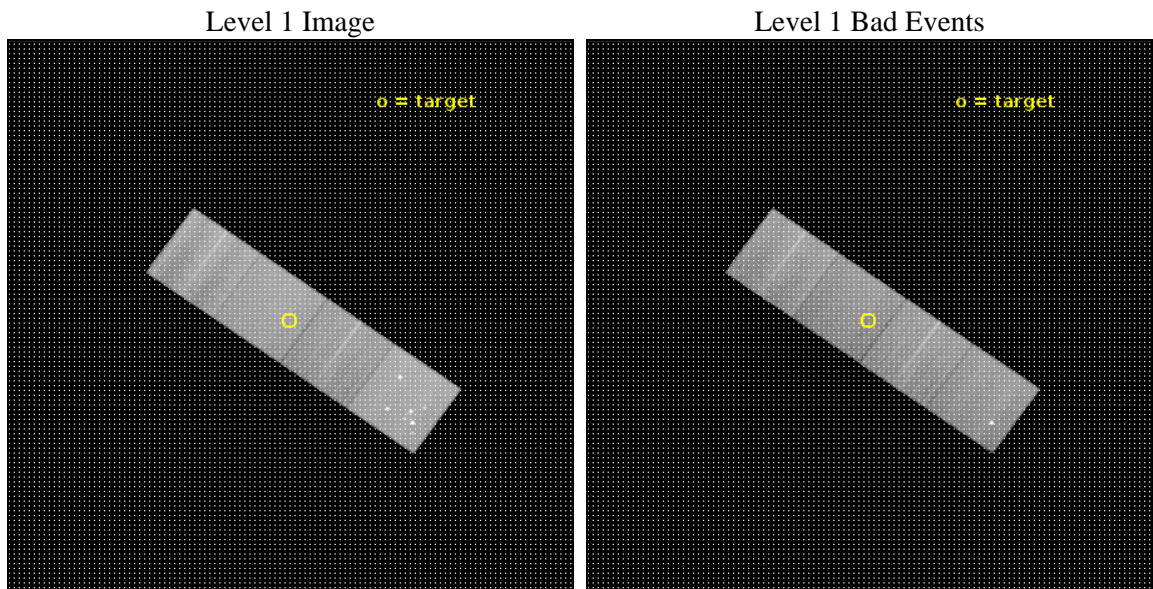
seq_num	703355	Sequence number
obs_id	20064	Observation id
title	WISE Discovery of the Largest Sample of Obscured Dual AGNs: A Chandra and NuSTAR Follow-up	Proposal title
observer	Shobita Satyapal	Principal investigator
object	J1306+0735	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.723333	Observer's specified target RA [deg]
dec_targ	7.588389	Observer's specified target Dec [deg]
ra_nom	196.7222488151	Nominal RA [deg]
dec_nom	7.58186062761	Nominal Dec [deg]
roll_nom	215.15679766932	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25063.500192881	Sum of GTIs [s]
livetime	24736.02711138	Livetime [s]
ontime5	25063.500192881	Sum of GTIs [s]
ontime6	25063.500192881	Sum of GTIs [s]
ontime7	25063.500192881	Sum of GTIs [s]
ontime8	25063.500192881	Sum of GTIs [s]
l2events	256647	Number of level 2 events



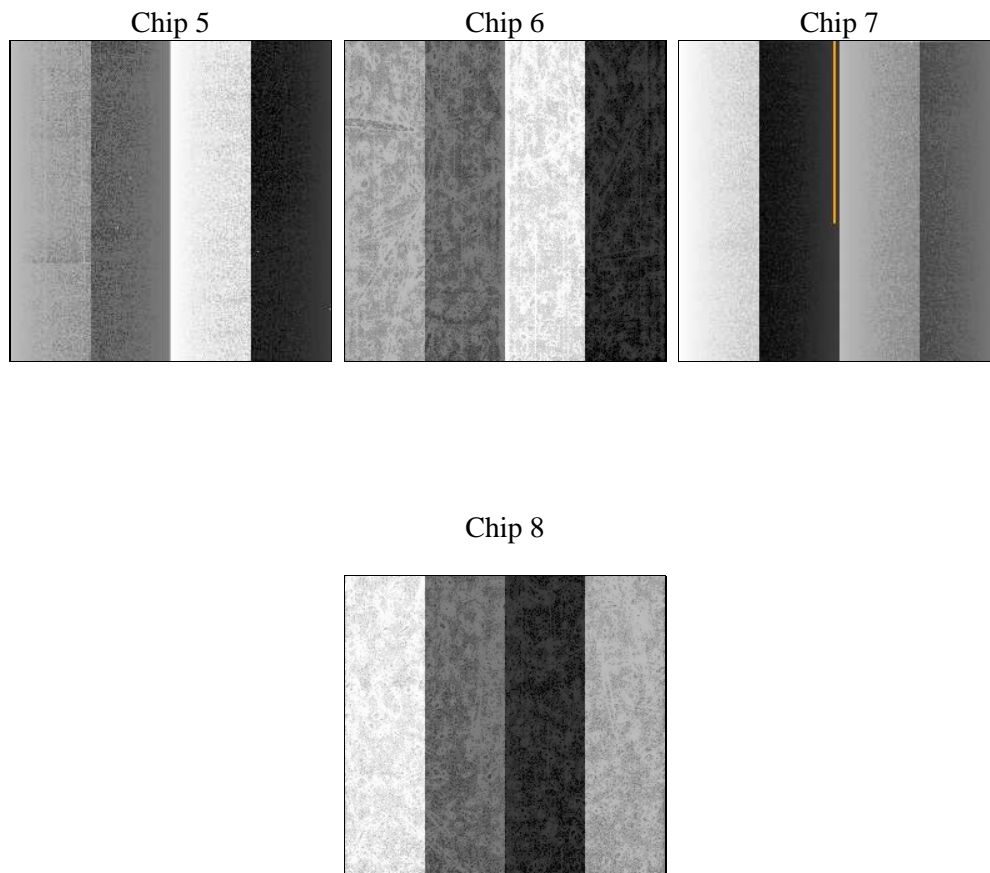
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	25063.500192881	Sum of GTIs [s]
caldsver	4.7.3	 	ontime5	25063.500192881	Sum of GTIs [s]
date	2017-04-28T05:41:05	Date and time of file creation	ontime6	25063.500192881	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	25063.500192881	Sum of GTIs [s]
			ontime8	25063.500192881	Sum of GTIs [s]
			l1events	927334	Number of level 1 events

2.1.4 Events

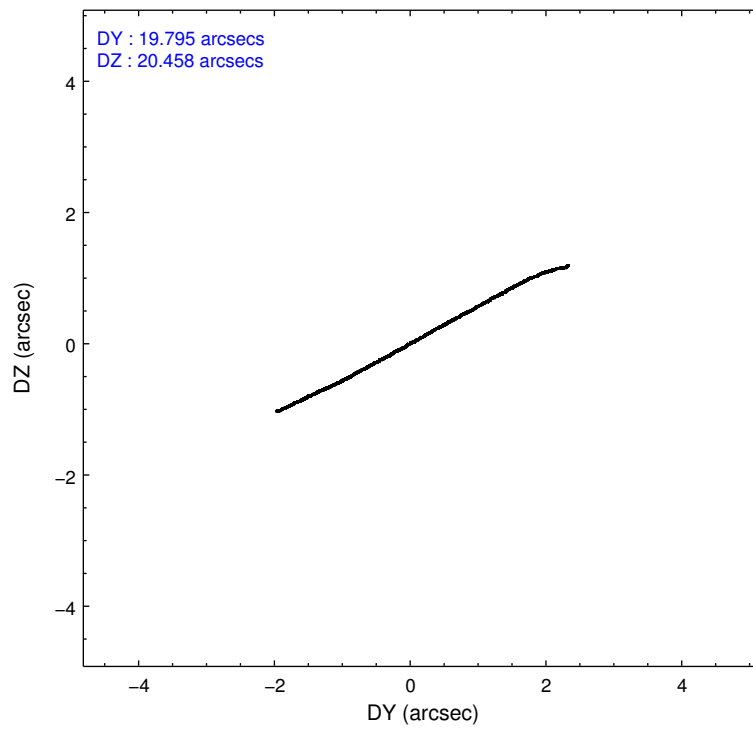
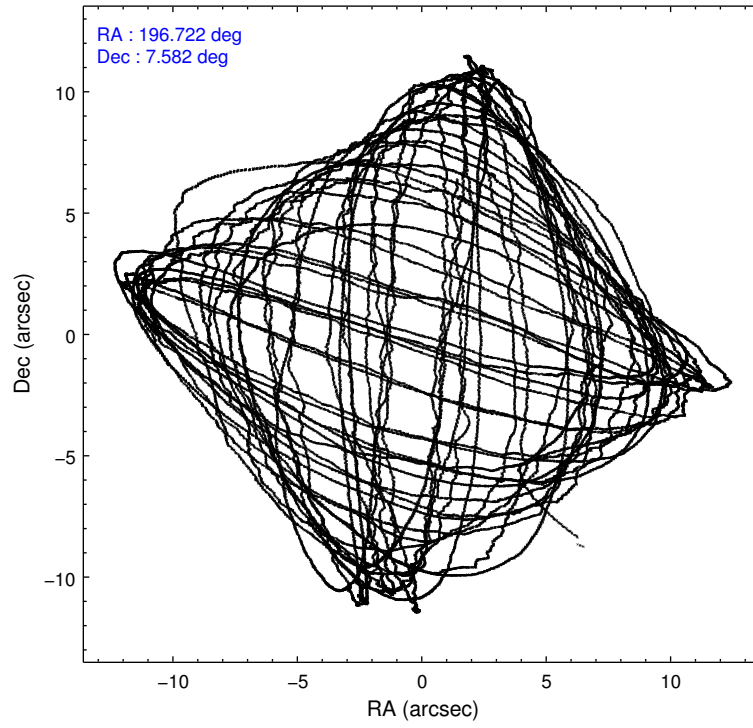
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	303309	175639	221865	226521
rejected events	150627	155711	125496	165562
rejected %	49%	88%	56%	73%

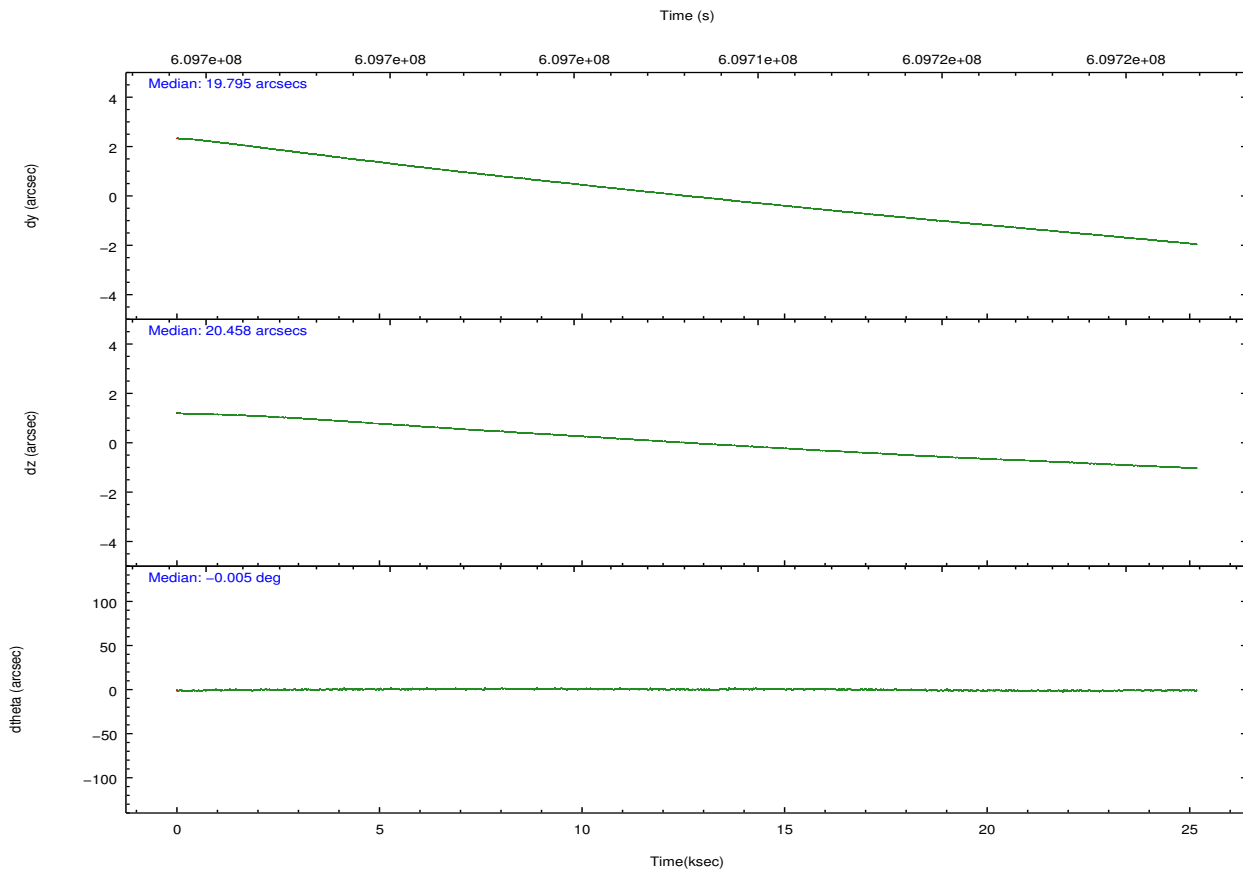
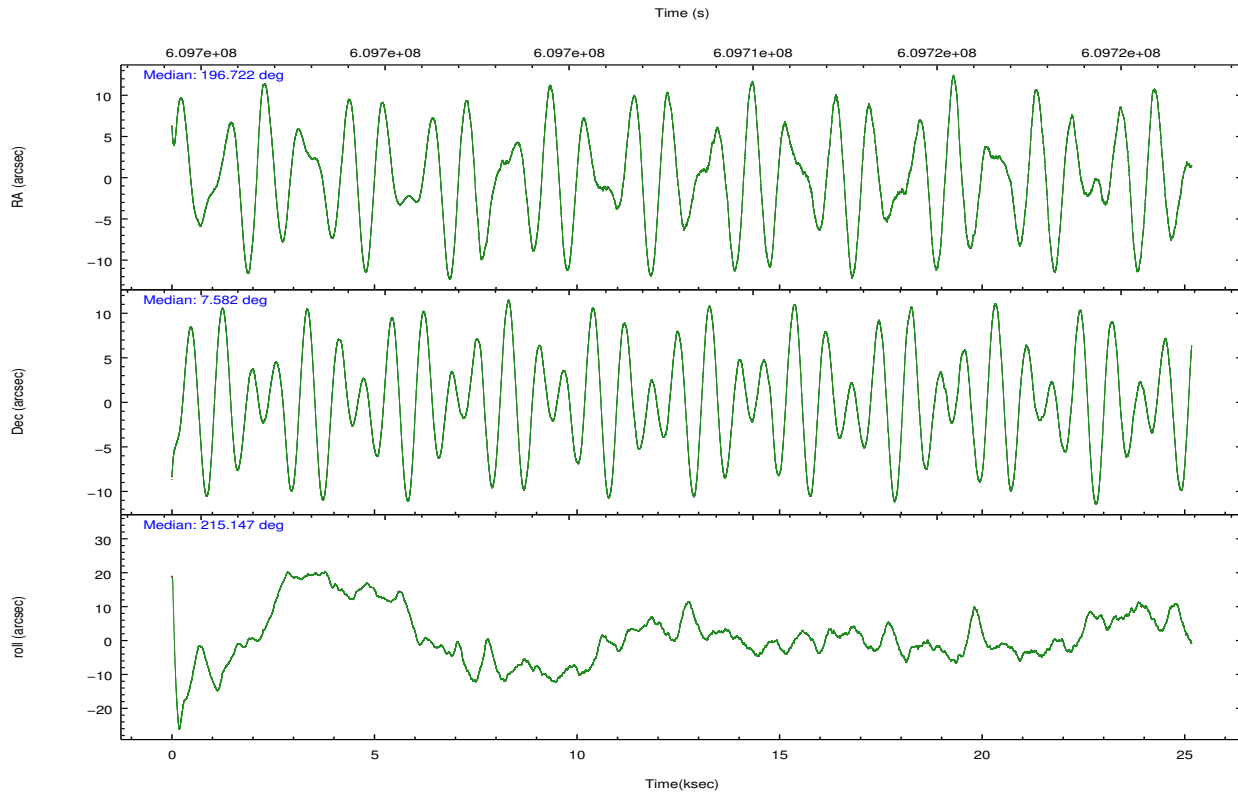
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	28880	6713	8136	17039
	9%	3%	3%	7%
grade 1 events	647	79	328	157
	0%	0%	0%	0%
grade 2 events	43253	4600	20437	14725
	14%	2%	9%	6%
grade 3 events	4589	1952	7662	6370
	1%	1%	3%	2%
grade 4 events	3899	1973	7521	6070
	1%	1%	3%	2%
grade 5 events	21322	8016	22145	12096
	7%	4%	9%	5%
grade 6 events	72087	4690	52622	16760
	23%	2%	23%	7%
grade 7 events	128632	147616	103014	153304
	42%	84%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	196.733531	196.7222488151031	CCD I2 on	N	N
[deg] Pointing Dec	7.606937	7.581860627610002	CCD I3 on	N	N
[deg] Pointing Roll	214.998657	215.1567976693151	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	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	O2	Y
[s] Observation start time (MET)	609695641.184000	609694671.12277	CCD S5 on	N	N
Observation start date	2017-04-27T15:52:52	2017-04-27T15:37:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	609720641.184000	609721170.4493099	On-chip summing requested	N	N
Observation end date	2017-04-27T22:49:32	2017-04-27T22:59:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





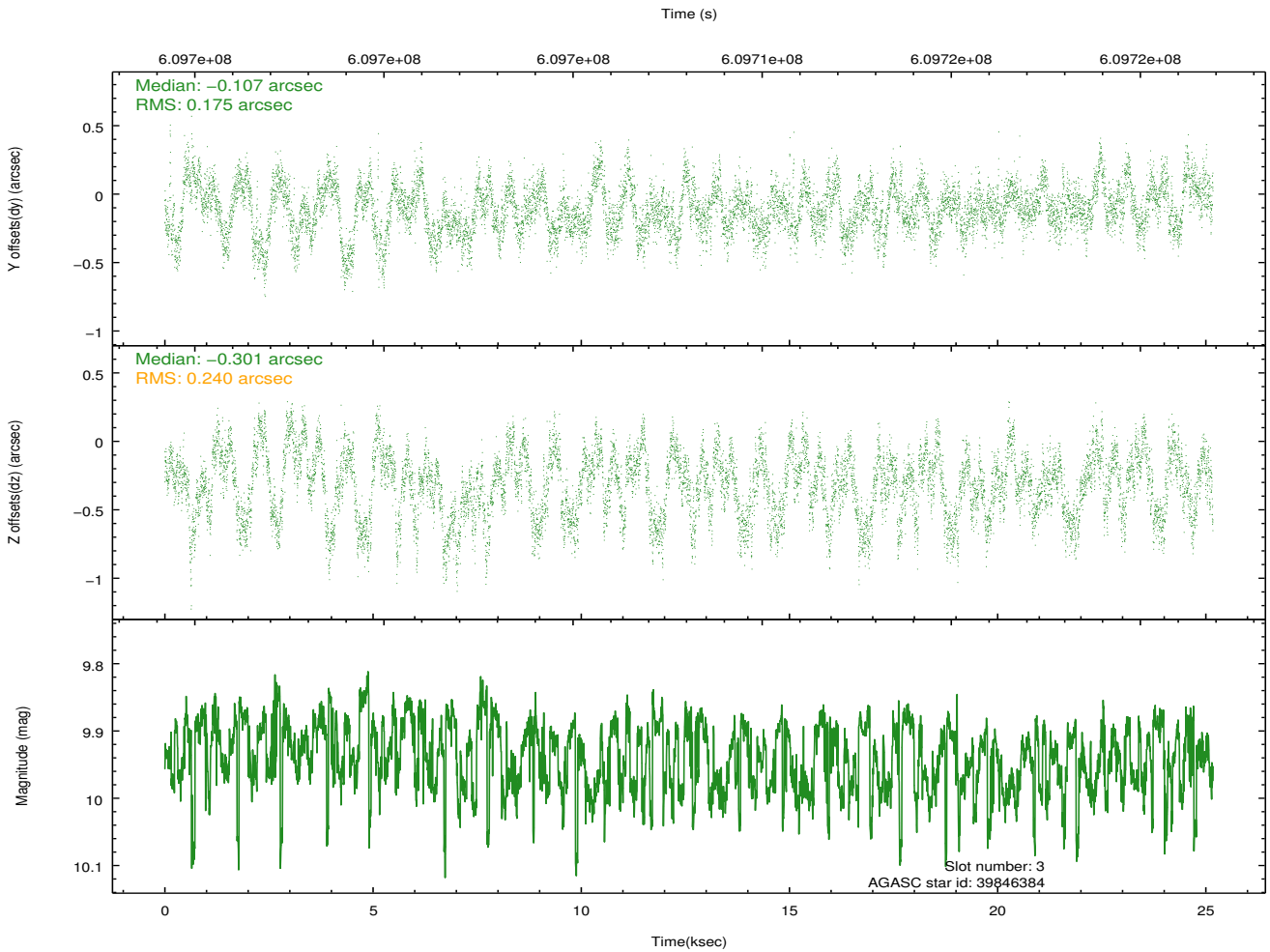
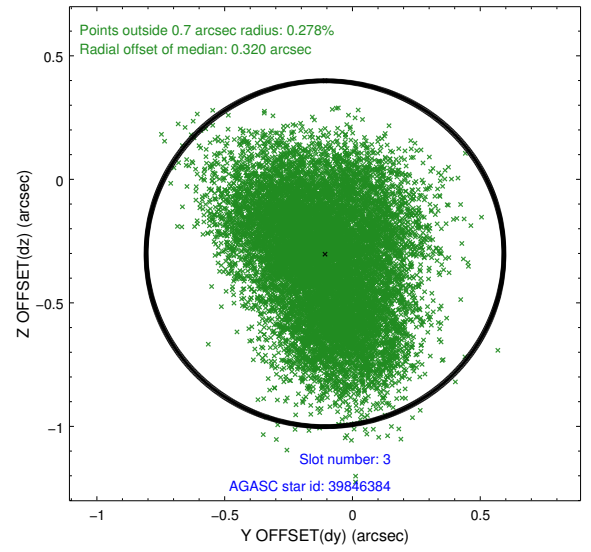
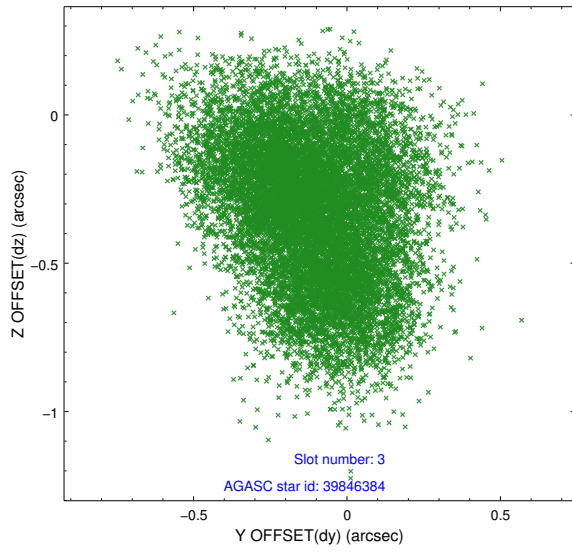
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.01	6139	-0.252	-0.128	0.024	0.035	0.000000	0.000000	-773.19	-1742.17
1	FID		ACIS-S-4	7.12	6139	0.547	0.156	0.023	0.032	0.000000	0.000000	2140.79	166.53
2	FID		ACIS-S-5	7.11	6139	-0.326	-0.021	0.023	0.032	0.000000	0.000000	-1825.99	160.08
3	GUIDE	used	39846384	9.94	12251	-0.107	-0.301	0.321	0.506	196.381765	7.215163	1838.63	434.92
4	GUIDE	used	39852000	8.84	12271	-0.184	-0.301	0.150	0.240	196.677623	7.146715	1115.07	1243.05
5	GUIDE	used	39853768	8.25	12276	-0.287	-0.068	0.146	0.255	197.488572	7.436669	-1857.70	2046.18
6	GUIDE	used	115871672	9.36	12257	0.319	0.482	0.181	0.309	196.753974	8.303853	-1496.52	-2013.09
7	GUIDE	used	115874184	9.13	12262	0.260	0.221	0.169	0.269	196.783333	7.757283	-454.90	-341.61

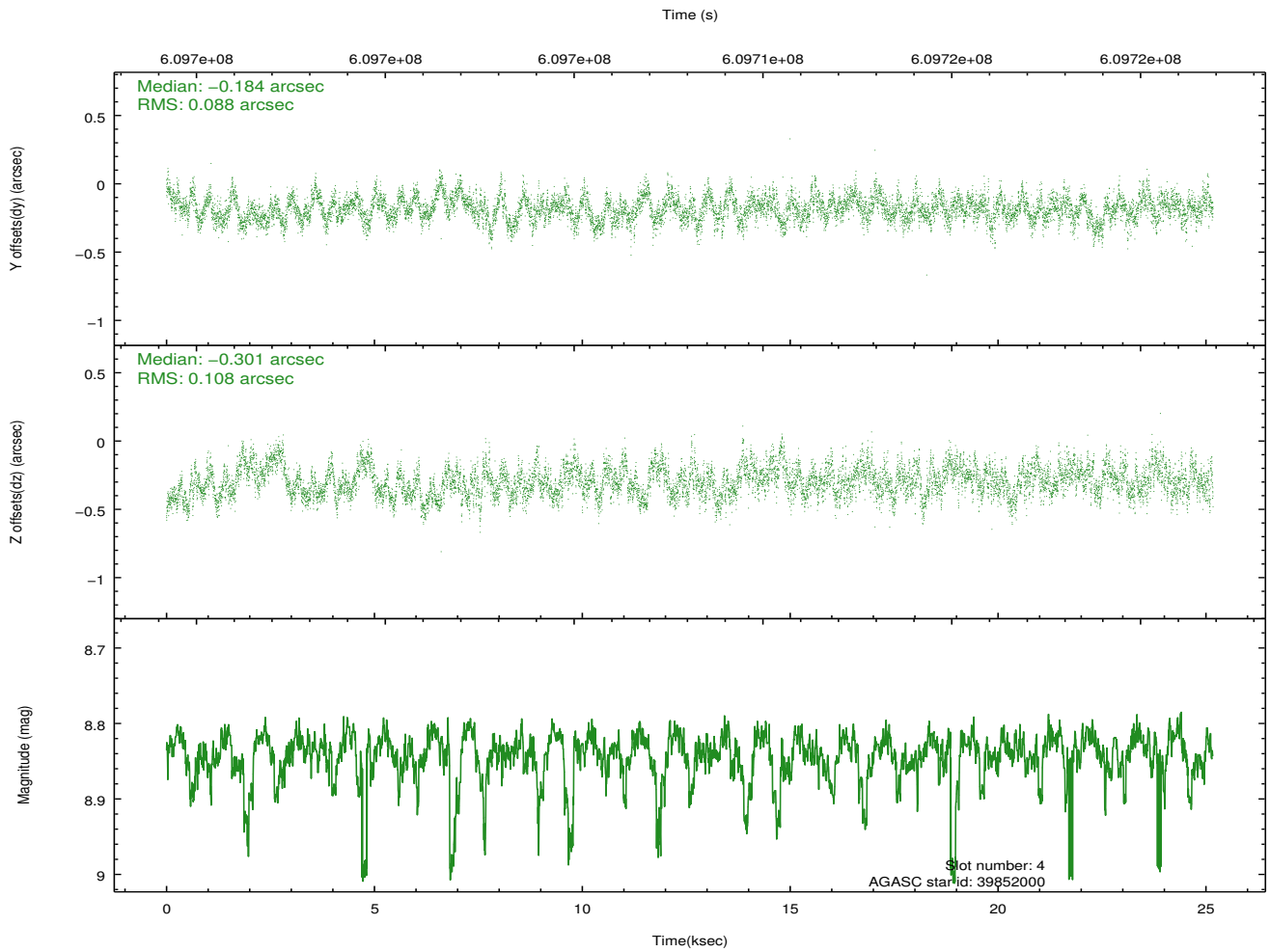
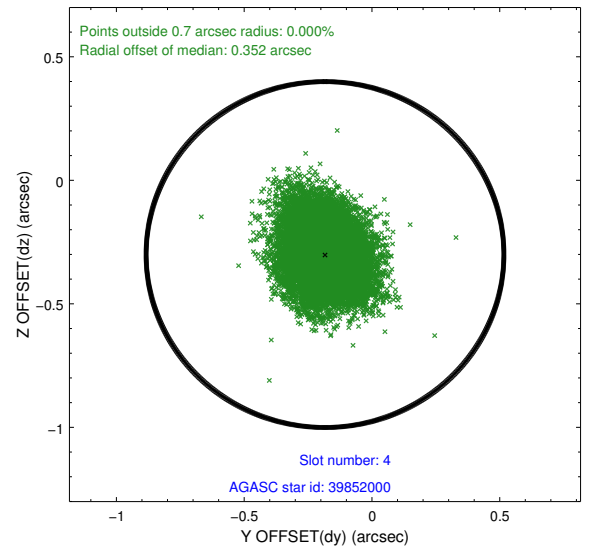
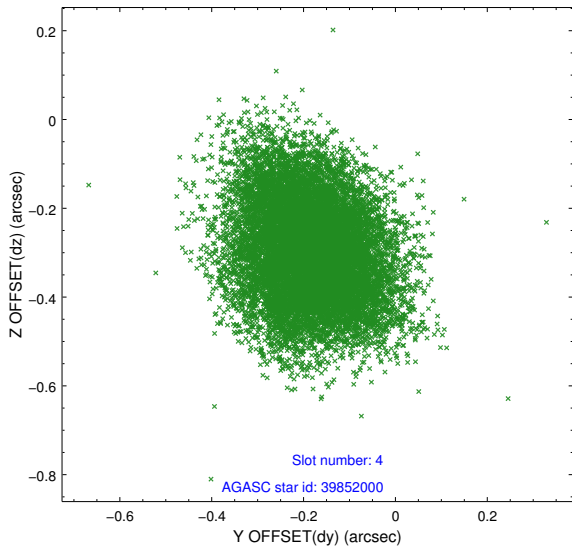
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2.4 Star Slots

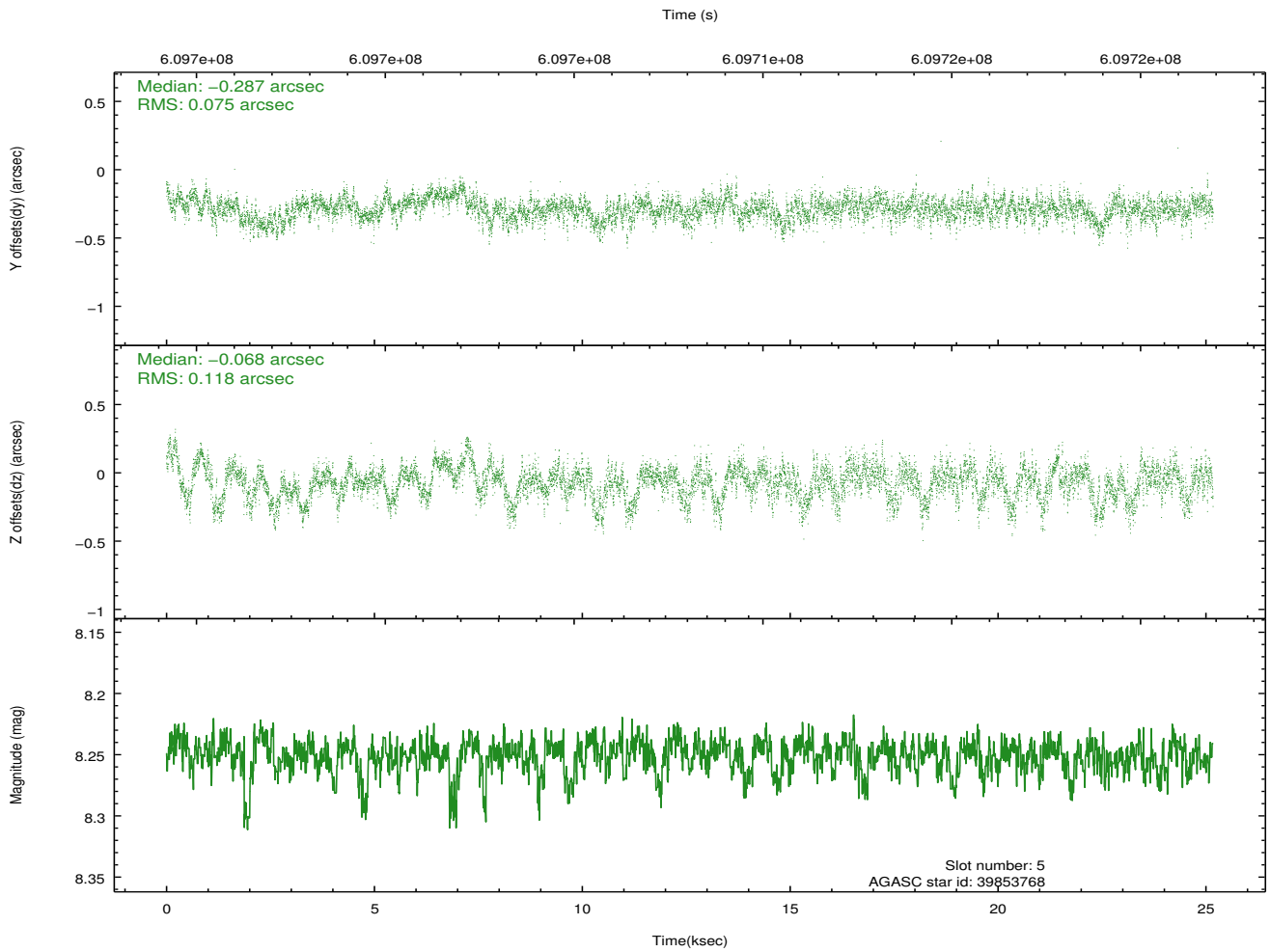
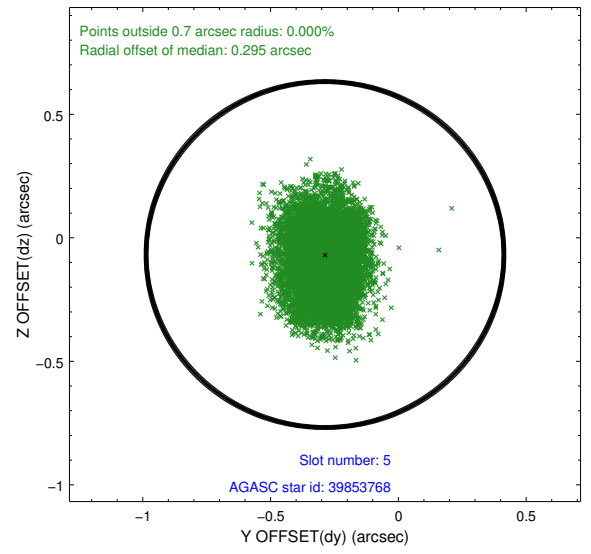
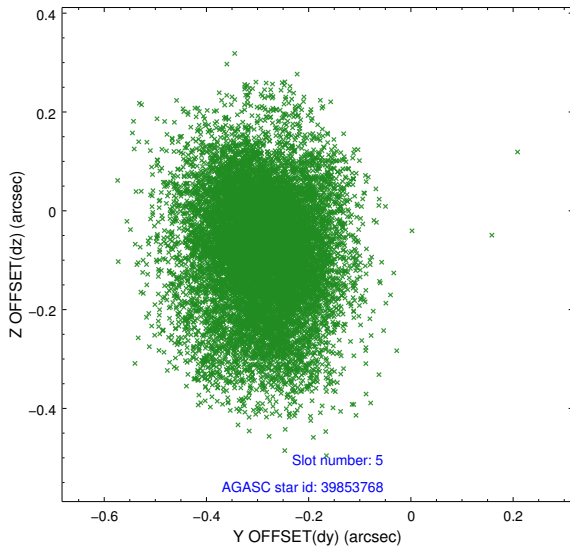
2.4.1 Slot 3



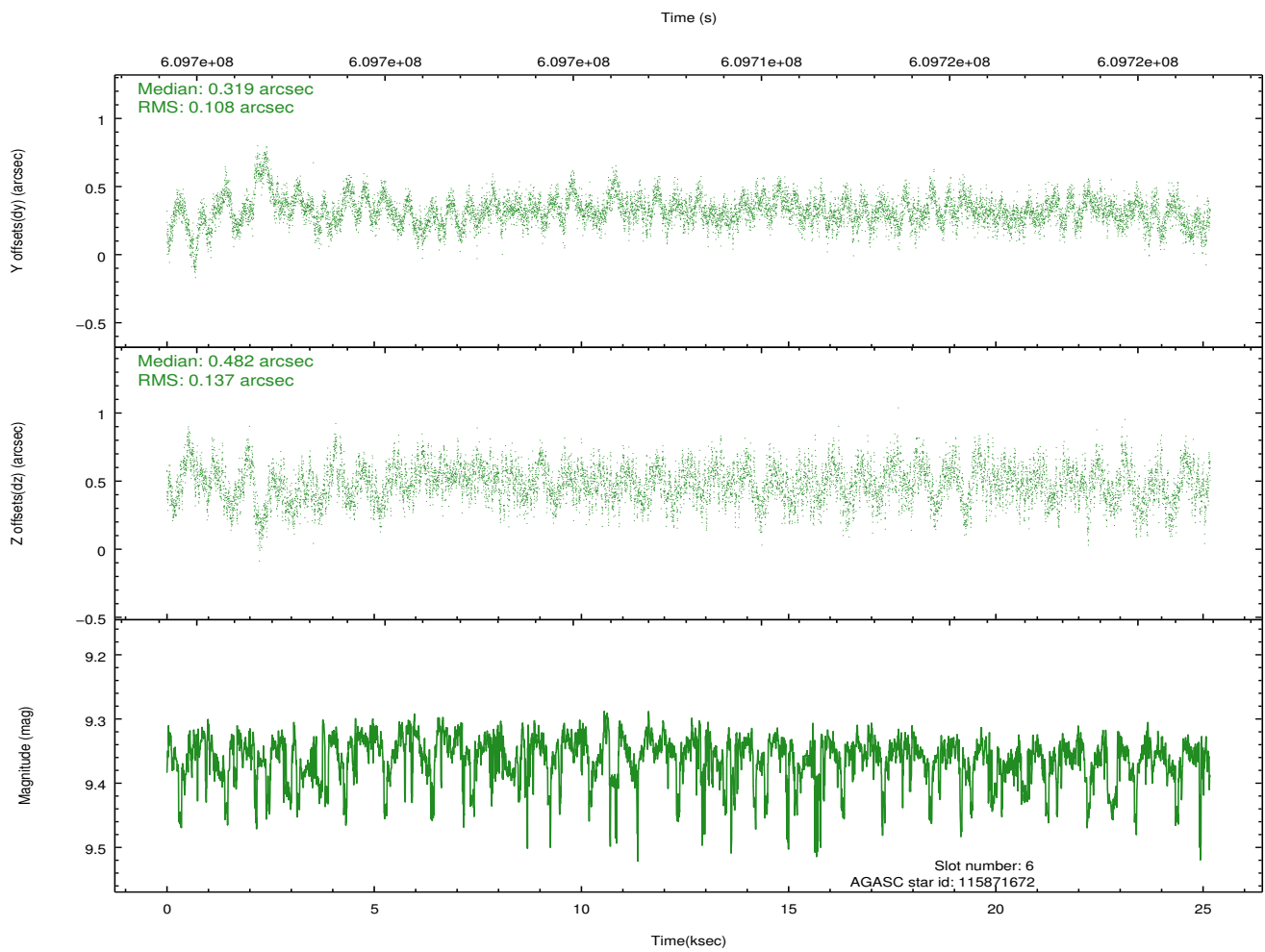
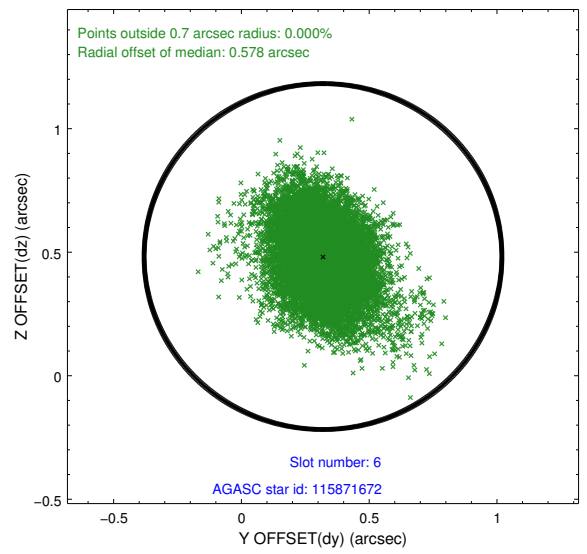
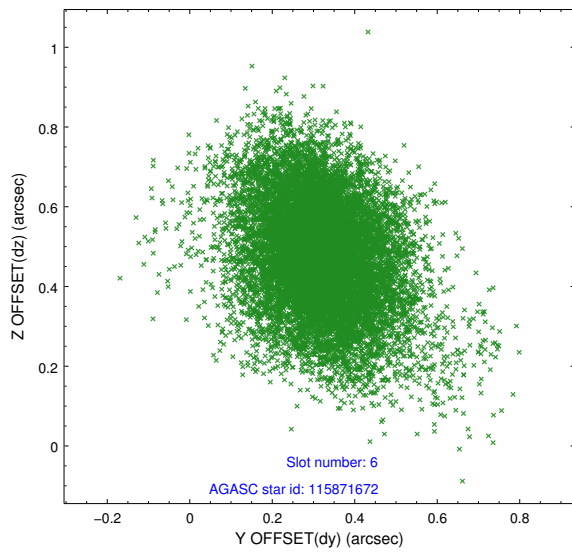
2.4.2 Slot 4



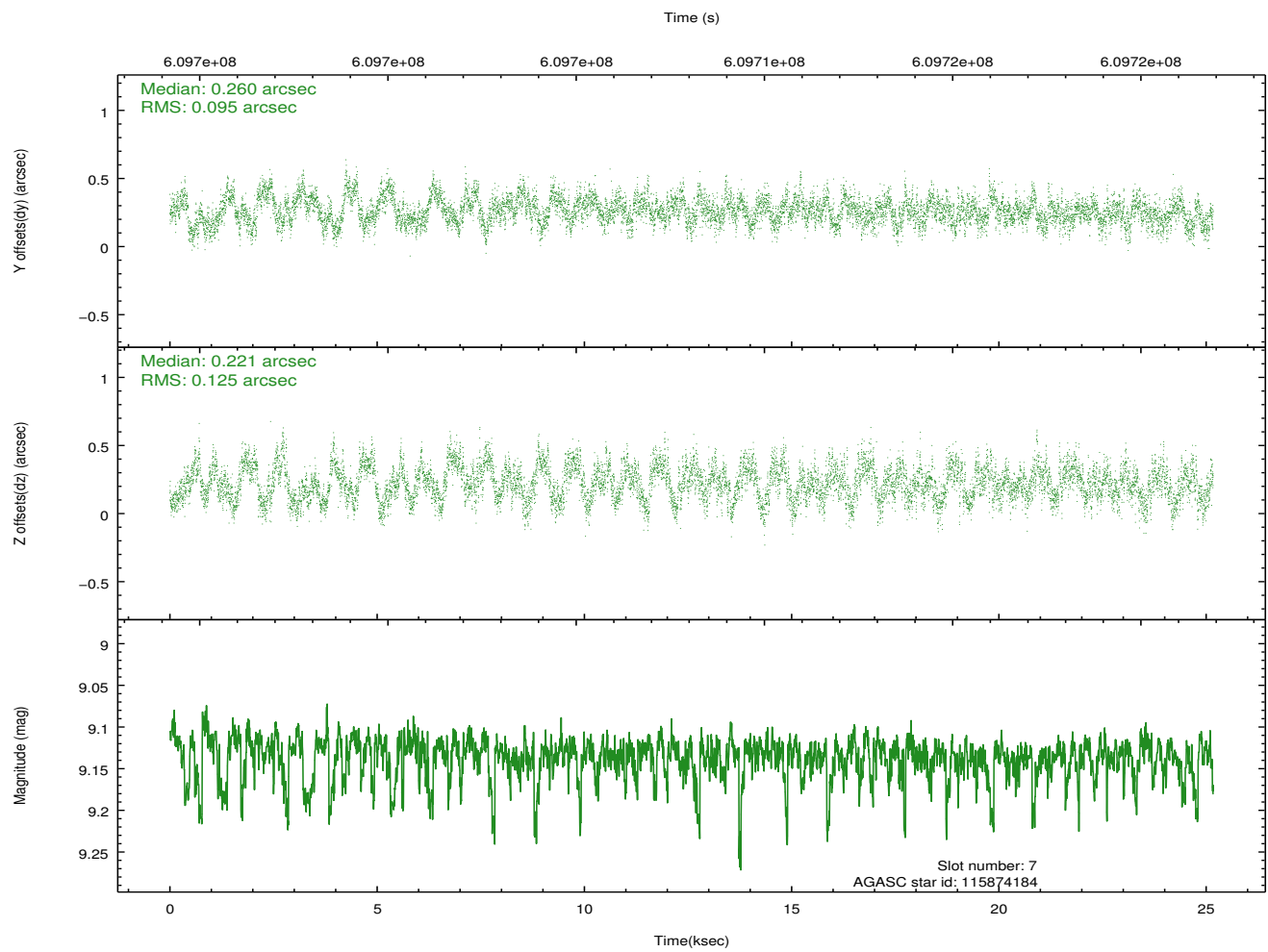
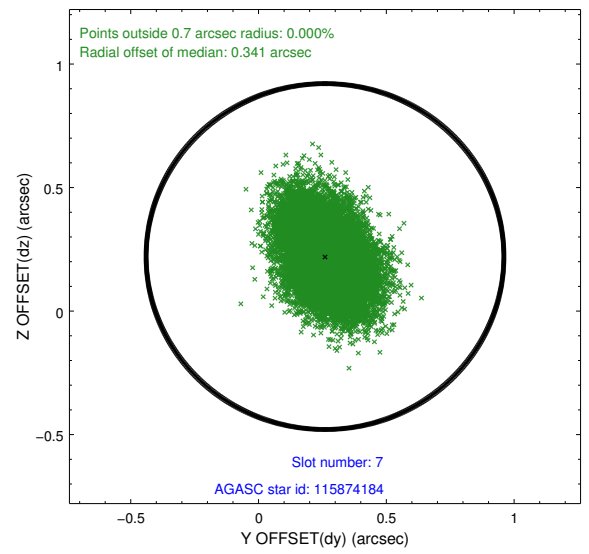
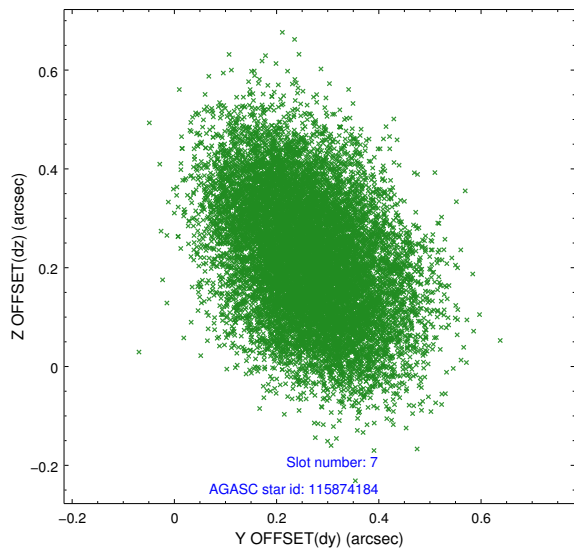
2.4.3 Slot 5



2.4.4 Slot 6

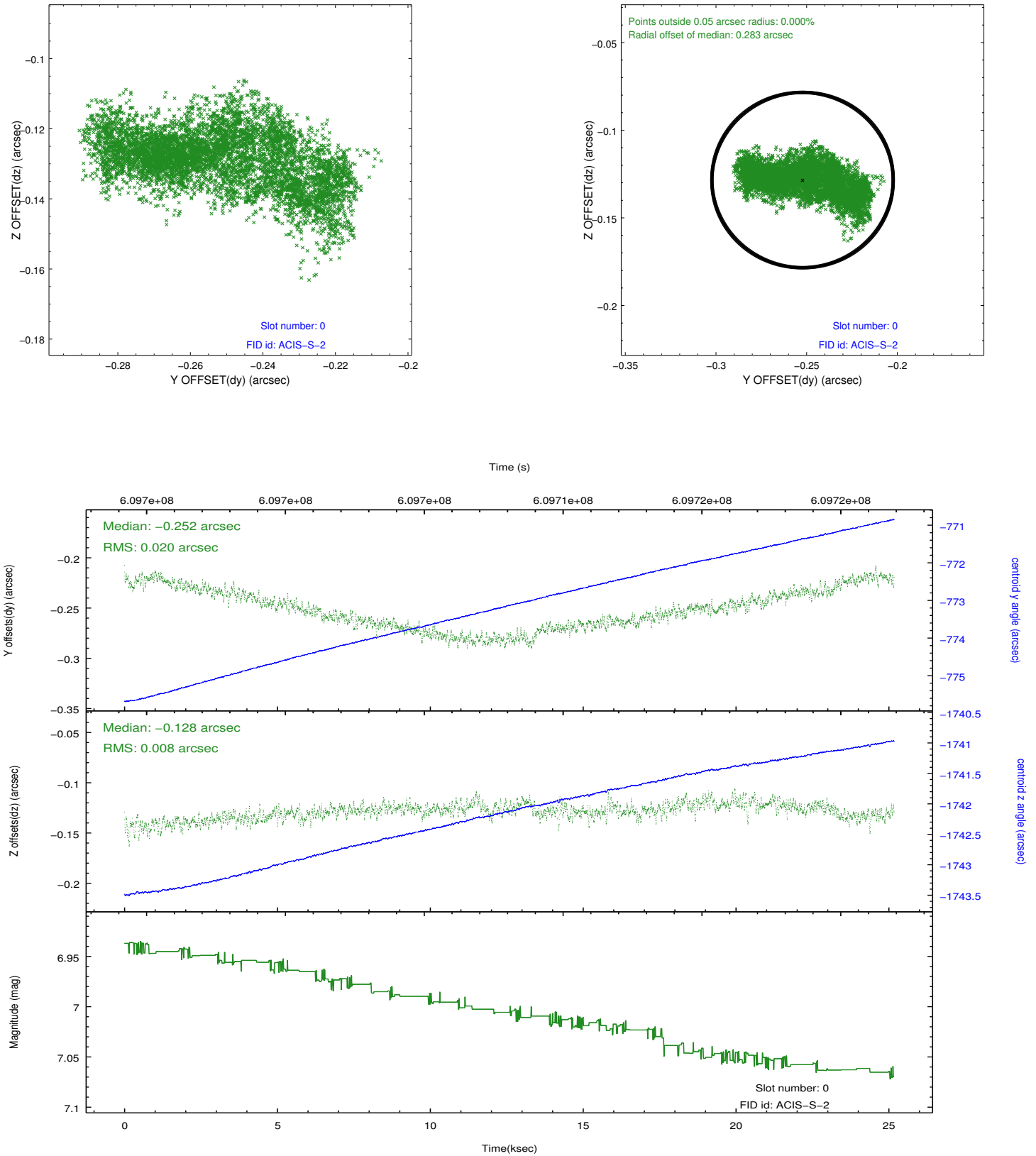


2.4.5 Slot 7

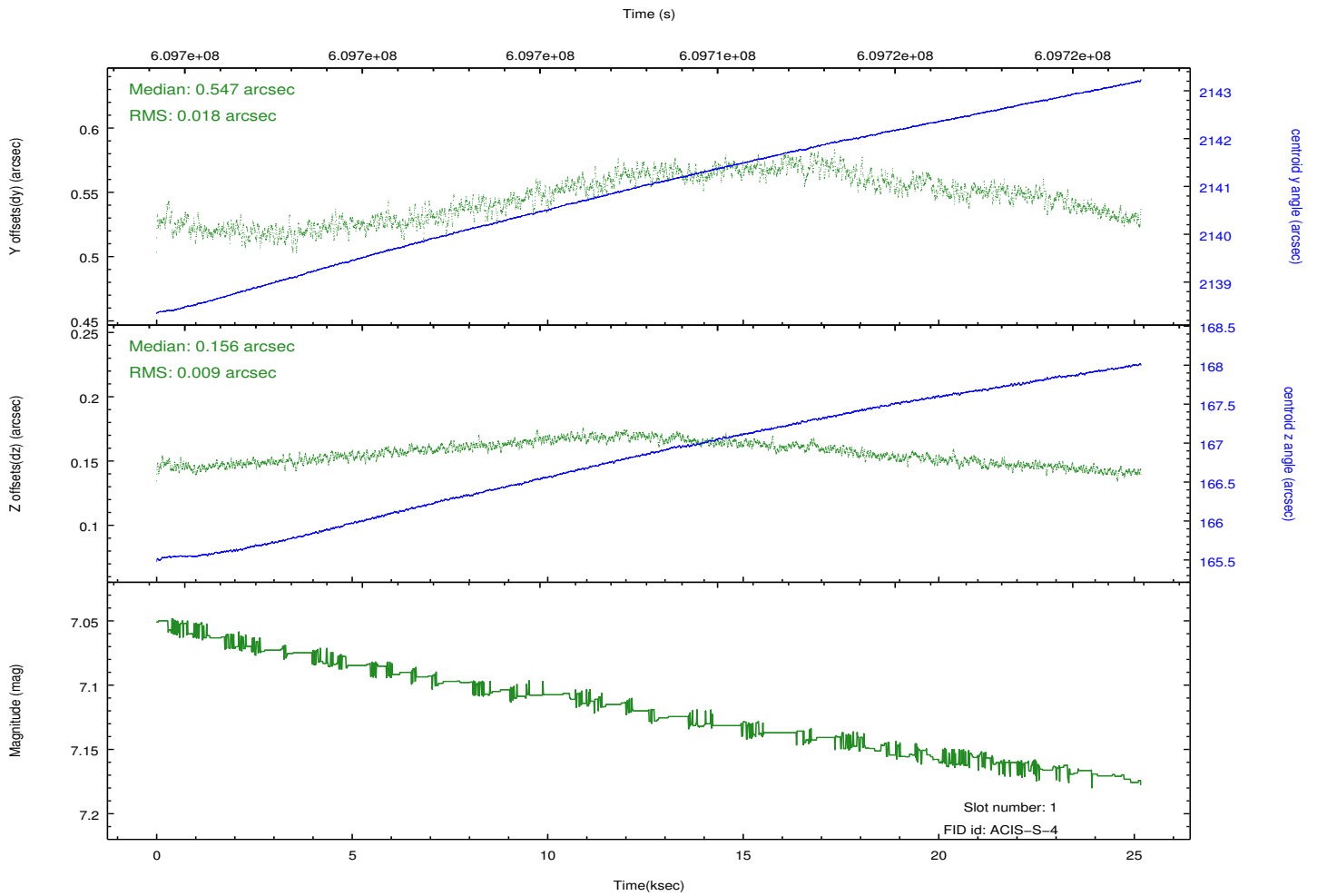
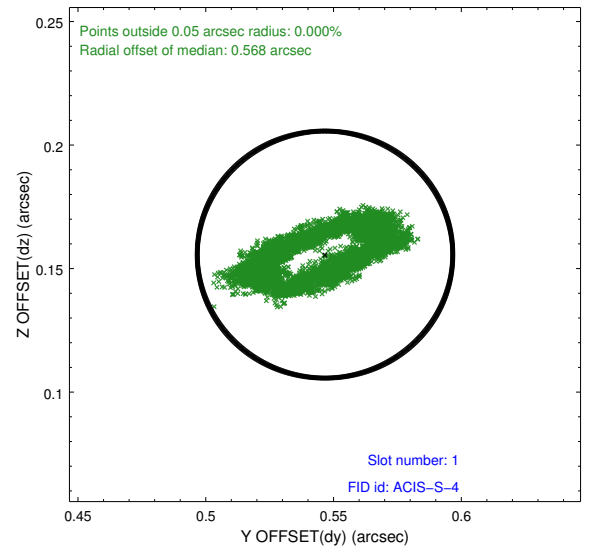
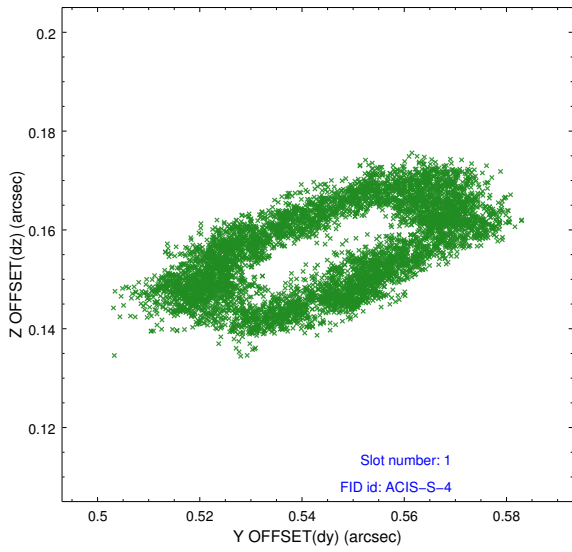


2.5 FID Slots

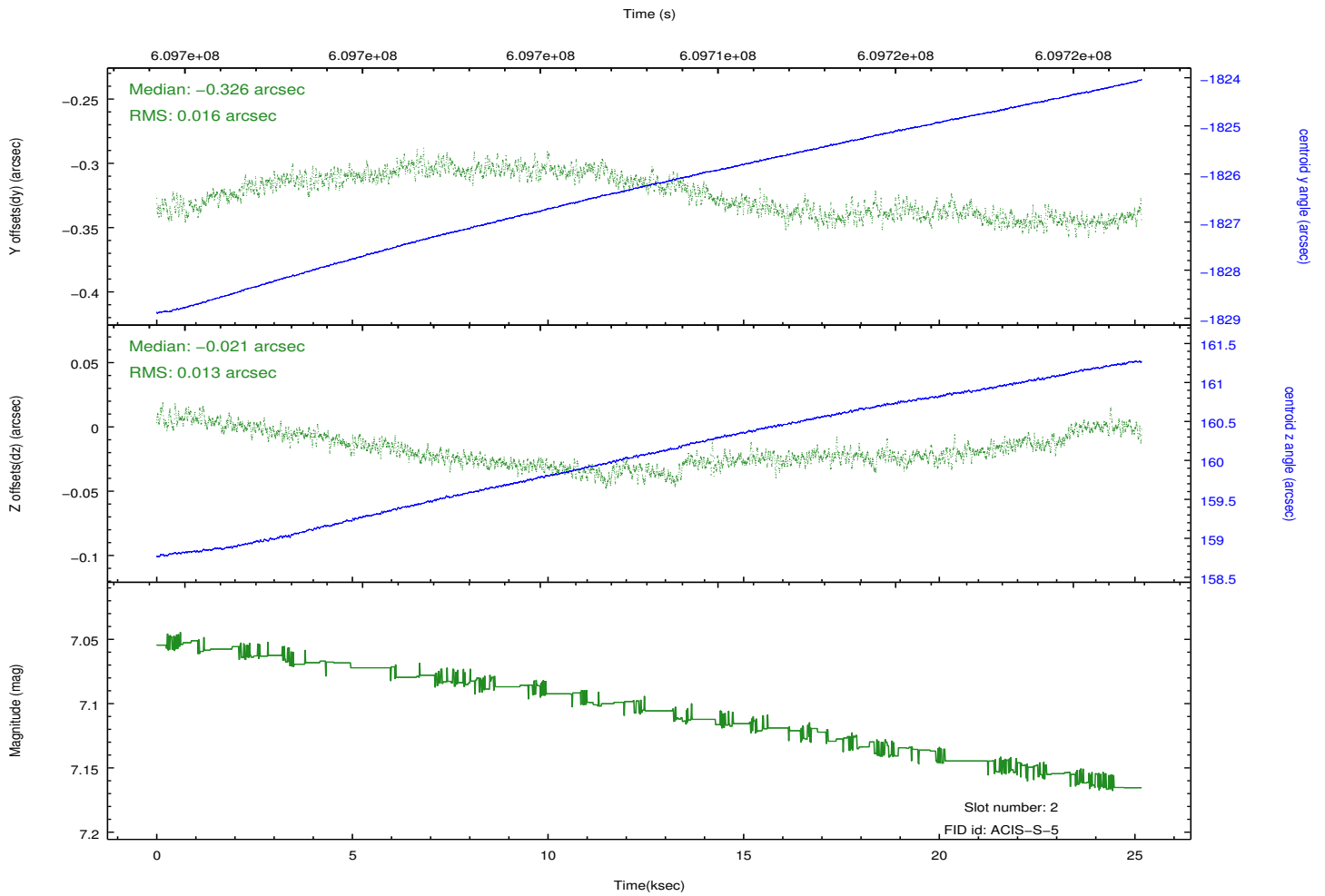
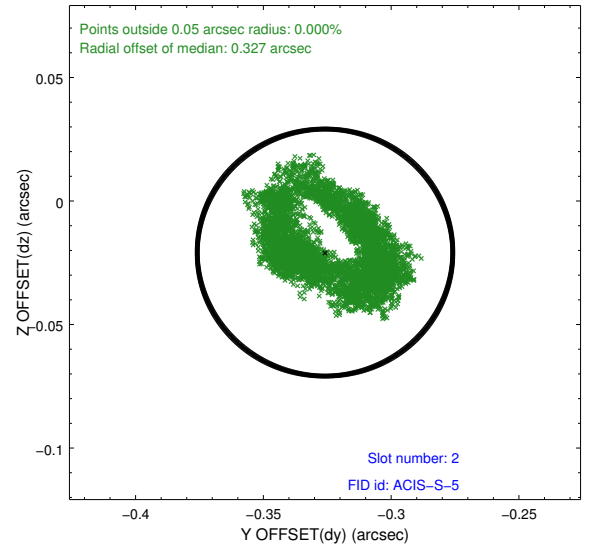
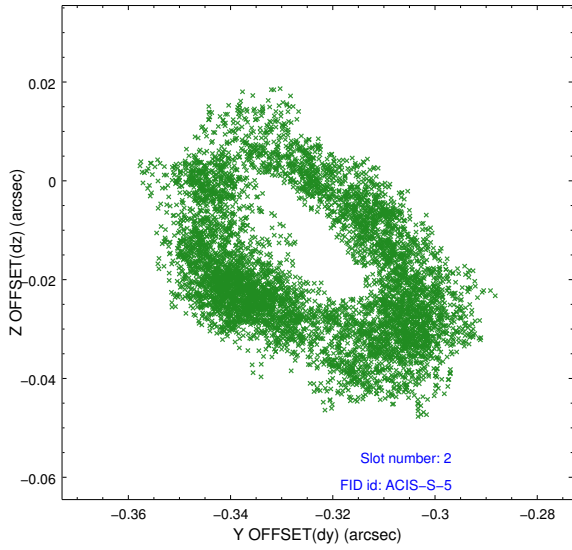
2.5.1 Slot 0



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)	2017.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.063500192881

A.2 Comments

Joint proposal with NuSTAR.