

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18215 - L2 Version 1
Chandra X-Ray Center

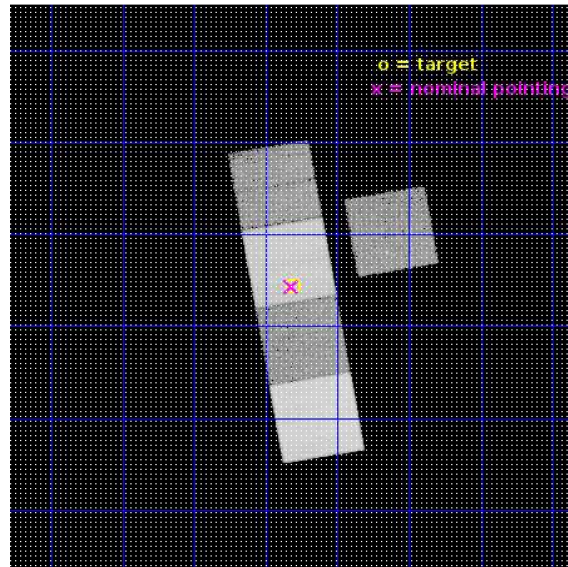
L2 Processing Date : Sep 23 2016

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1 Front

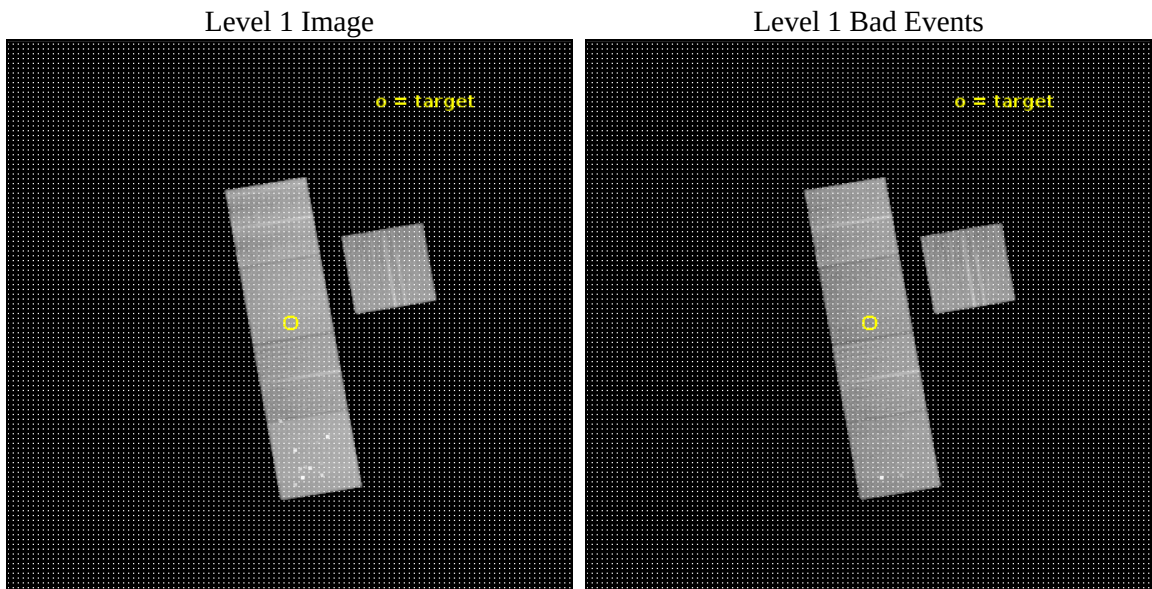
seq_num	703276	Sequence number
obs_id	18215	Observation id
title	Testing Models of Circum-Binary-AGN Accretion	Proposal title
observer	Kayhan Gultekin	Principal investigator
object	PSO J334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	334.202917	Observer's specified target RA [deg]
dec_targ	1.4075	Observer's specified target Dec [deg]
ra_nom	334.205492492	Nominal RA [deg]
dec_nom	1.4054905366176	Nominal Dec [deg]
roll_nom	260.15657353582	Nominal Roll [deg]
revision	1	Processing version of data
ontime	39056.900300503	Sum of GTIs [s]
livetime	38546.593144805	Livetime [s]
ontime3	39053.759200215	Sum of GTIs [s]
ontime5	39056.900300503	Sum of GTIs [s]
ontime6	39053.75924027	Sum of GTIs [s]
ontime7	39056.900300503	Sum of GTIs [s]
ontime8	39050.618069649	Sum of GTIs [s]
l2events	404540	Number of level 2 events



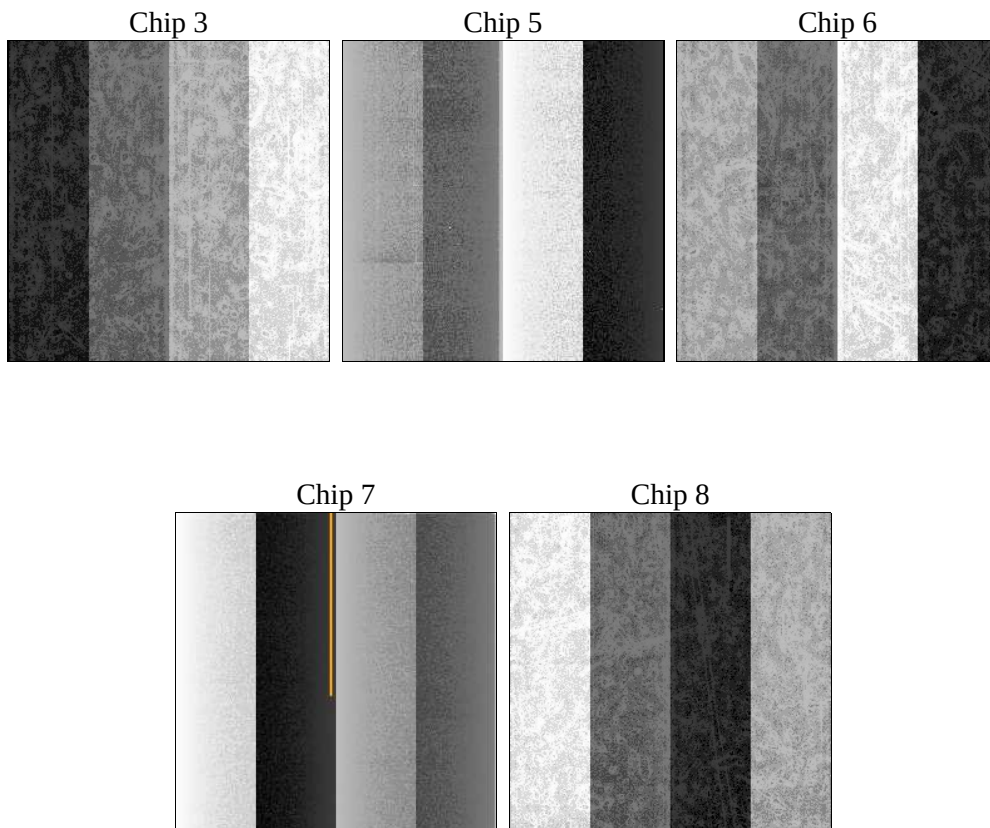
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	39056.900300503	Sum of GTIs [s]
caldbver	4.7.2	 	ontime3	39053.759200215	Sum of GTIs [s]
date	2016-09-23T19:11:28	Date and time of file creation	ontime5	39056.900300503	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	39053.75924027	Sum of GTIs [s]
			ontime7	39056.900300503	Sum of GTIs [s]
			ontime8	39050.618069649	Sum of GTIs [s]
			l1events	1659697	Number of level 1 events

2.1.4 Events

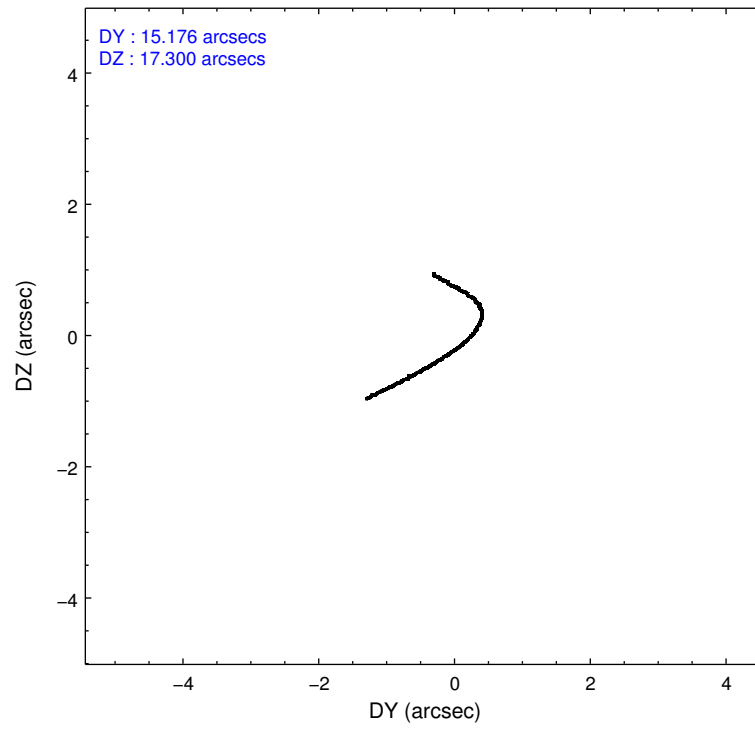
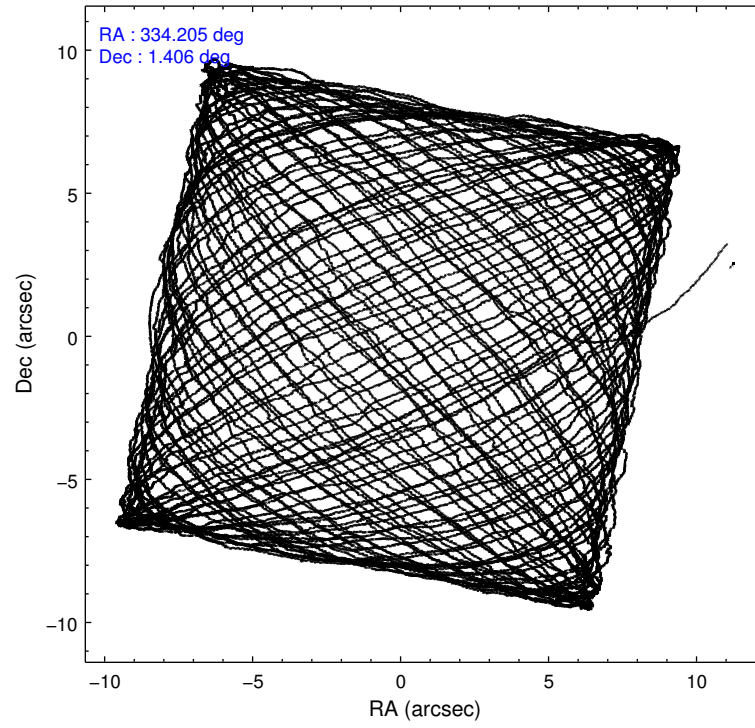
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	247402	468104	266847	337990	339354
rejected events	221000	231259	237564	193042	251436
rejected %	89%	49%	89%	57%	74%

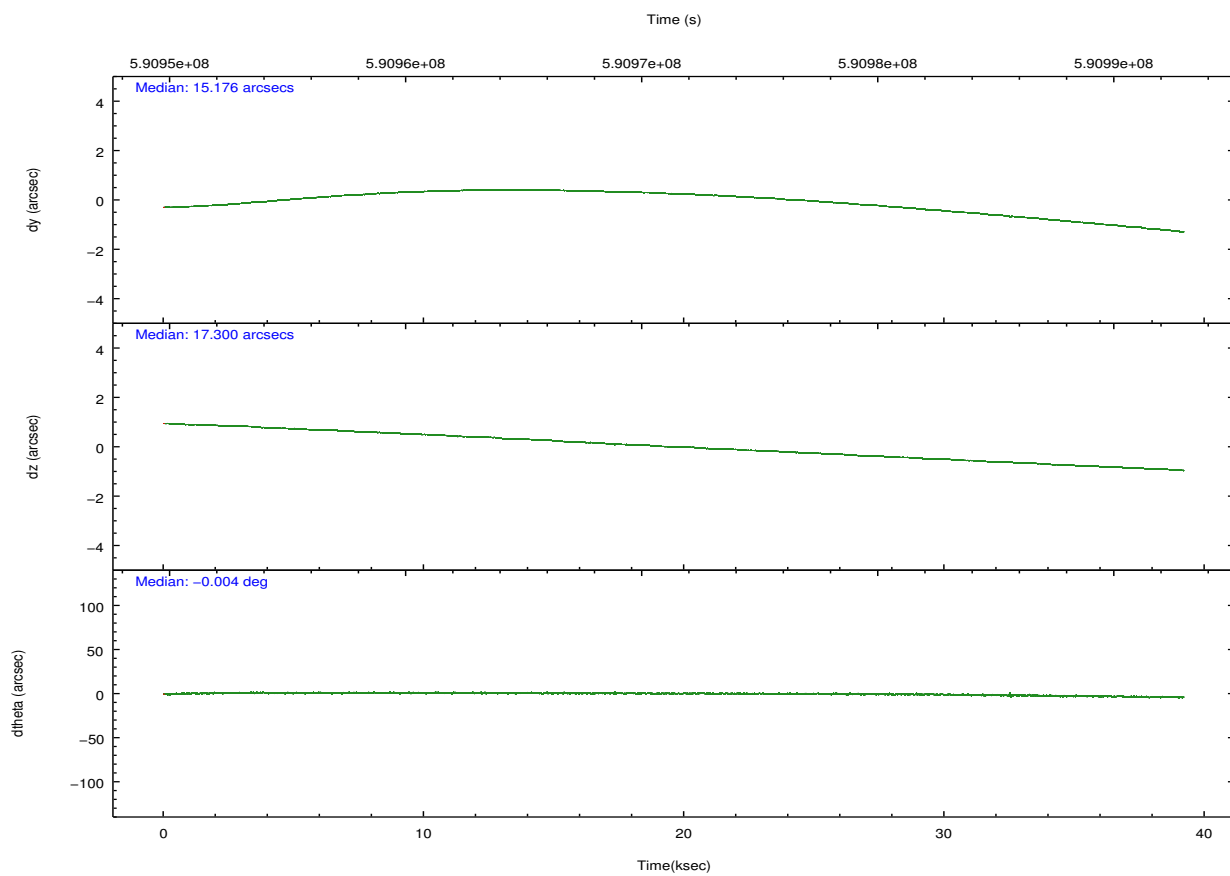
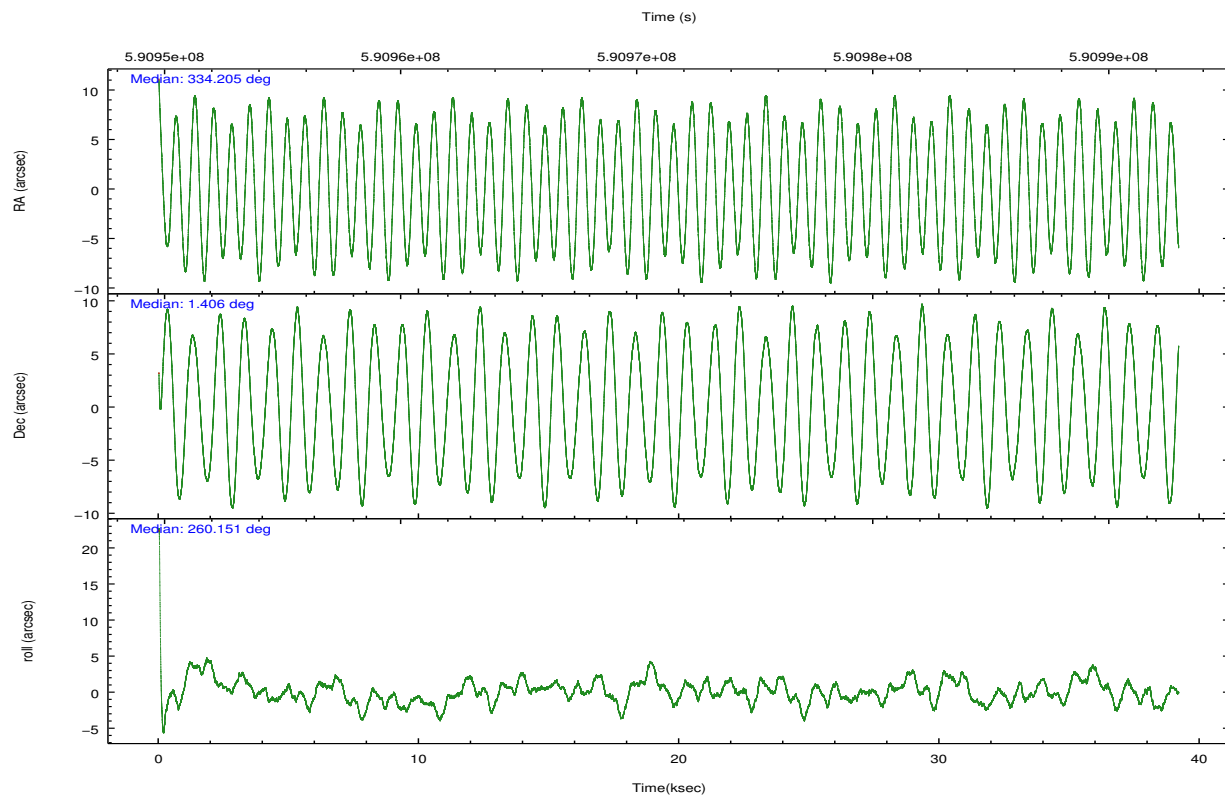
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9204	47677	9629	11980	24306
	3%	10%	3%	3%	7%
grade 1 events	141	932	125	472	250
	0%	0%	0%	0%	0%
grade 2 events	5853	66050	6847	30841	21932
	2%	14%	2%	9%	6%
grade 3 events	2846	7549	2931	11582	9205
	1%	1%	1%	3%	2%
grade 4 events	2894	6773	2914	11461	8772
	1%	1%	1%	3%	2%
grade 5 events	12476	29591	12478	33409	18679
	5%	6%	4%	9%	5%
grade 6 events	5607	108845	6967	79106	23708
	2%	23%	2%	23%	6%
grade 7 events	208381	200687	224956	159139	232502
	84%	42%	84%	47%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	334.195690	334.2054924920025	CCD I2 on	O1	N
[deg] Pointing Dec	1.431121	1.405490536617628	CCD I3 on	Y	Y
[deg] Pointing Roll	260.000179	260.1565735358242	CCD S0 on	N	N
[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	Y	Y
[s] Observation start time (MET)	590951959.184000	590950958.85077	CCD S5 on	N	N
Observation start date	2016-09-22T17:18:11	2016-09-22T17:02:38	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	590990959.184000	590991714.90312	On-chip summing requested	N	N
Observation end date	2016-09-23T04:08:11	2016-09-23T04:21:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



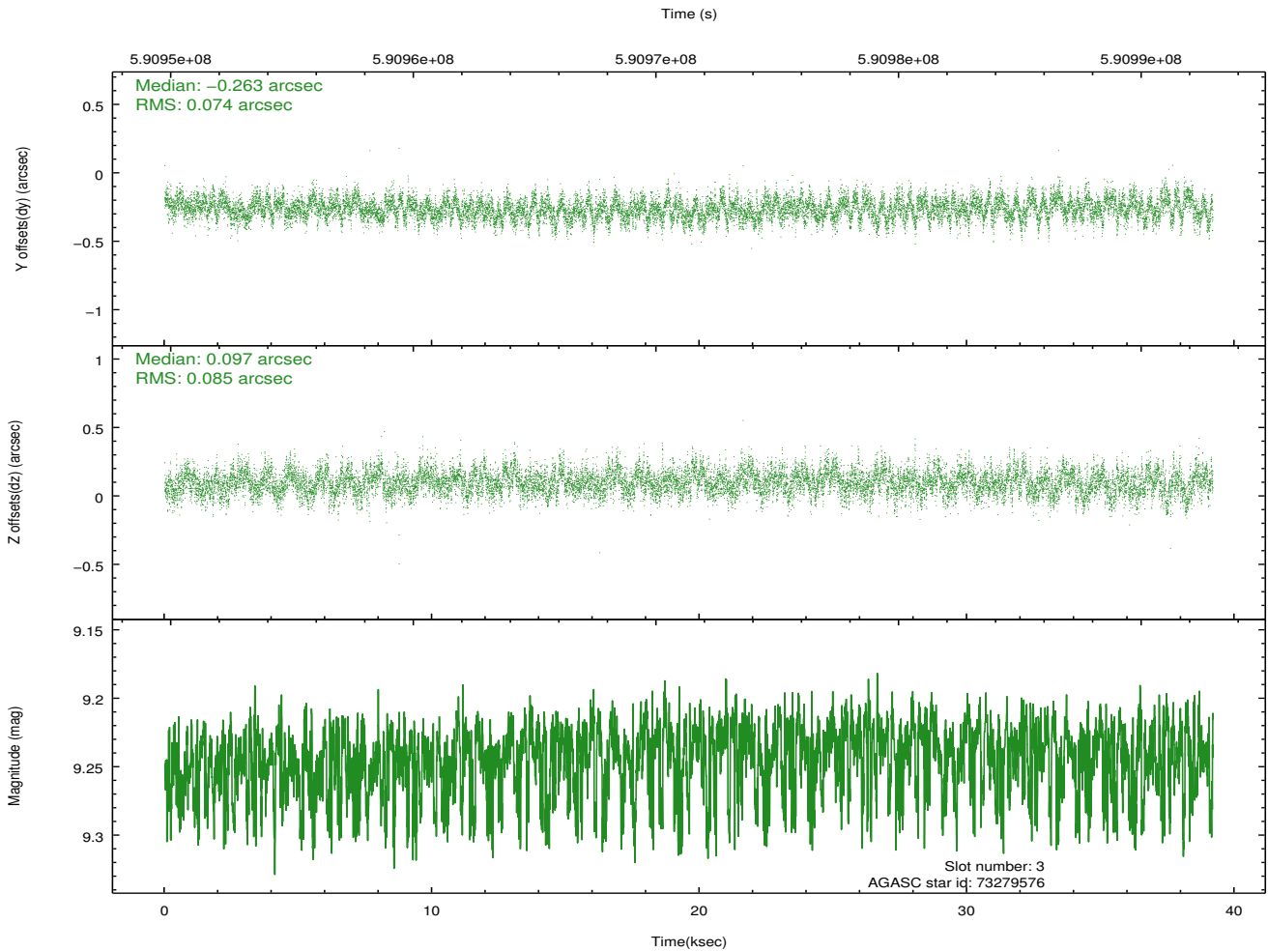
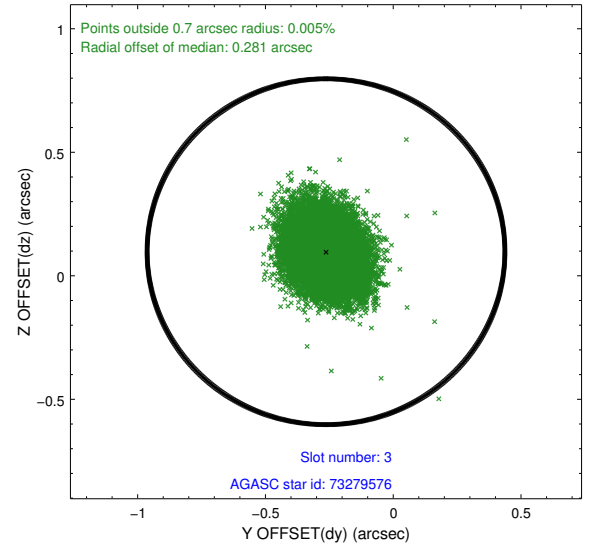
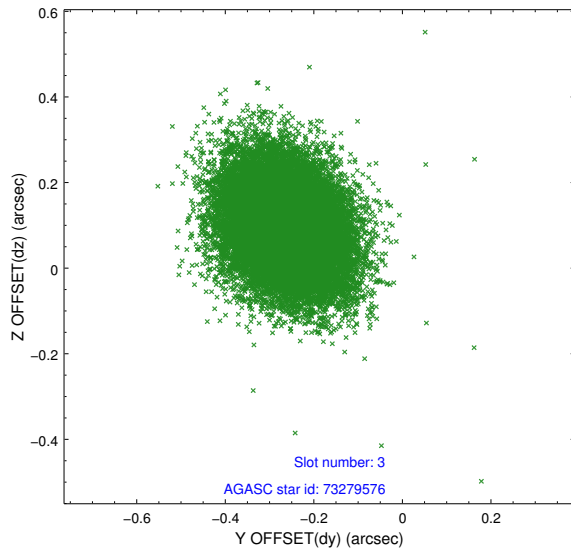


Slot Statistics

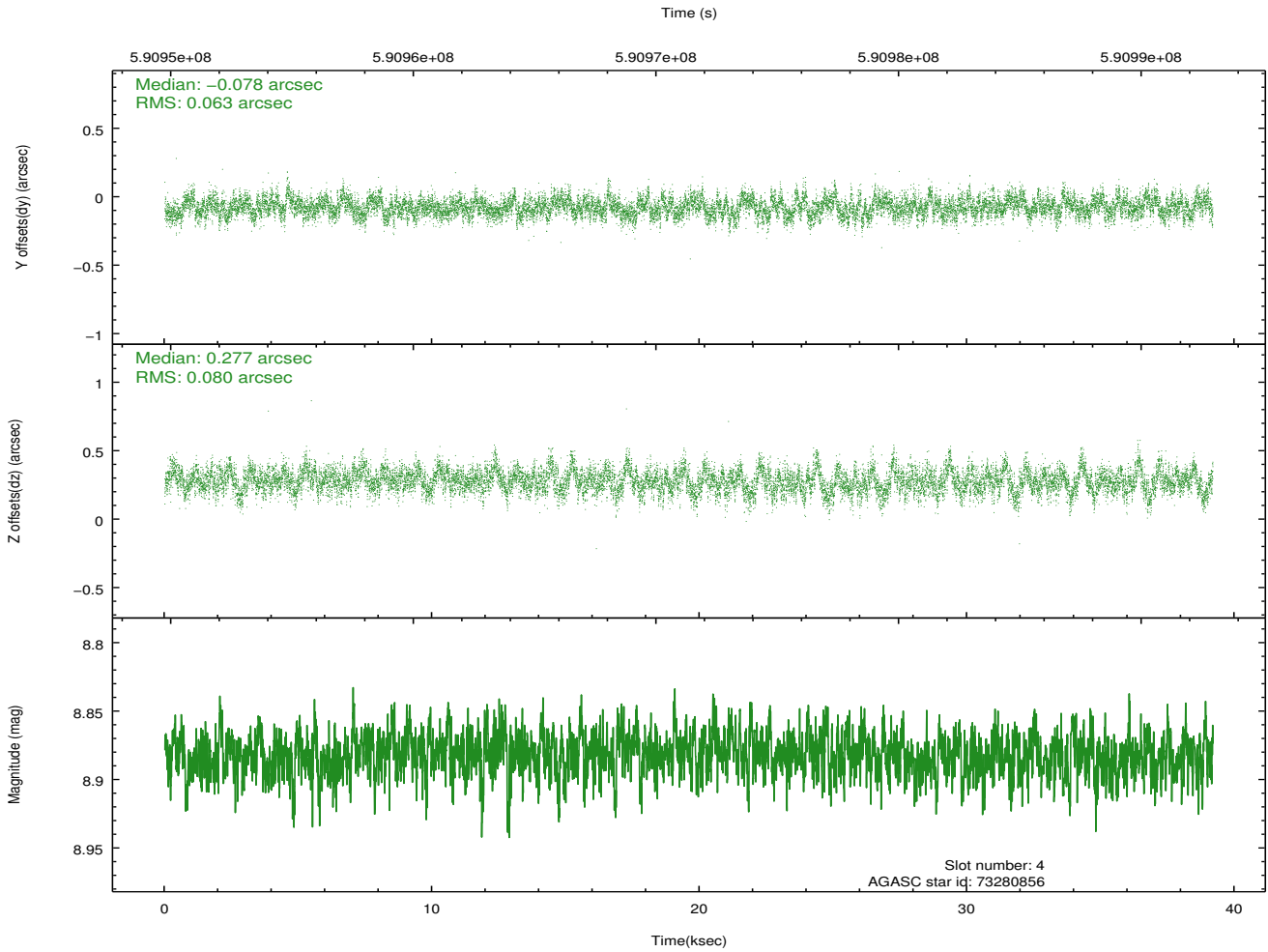
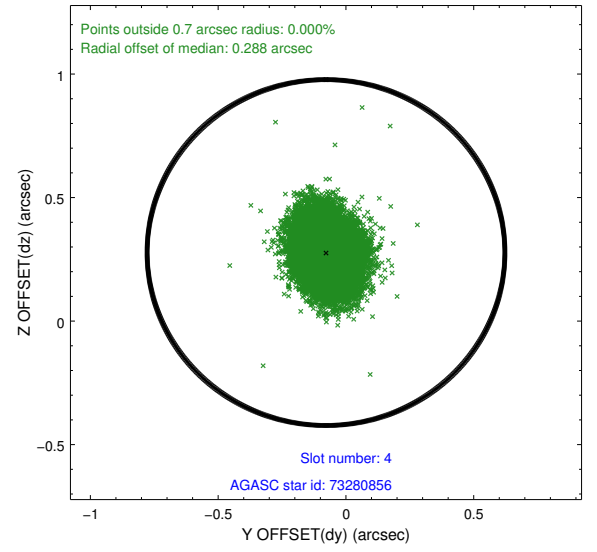
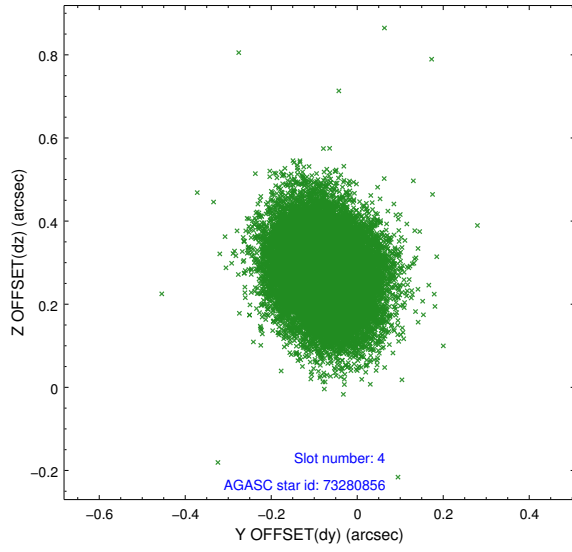
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	9557	-0.188	-0.119	0.016	0.036	0.000000	0.000000	-768.22	-1738.86
1	FID		ACIS-S-4	7.13	9558	0.462	0.122	0.010	0.017	0.000000	0.000000	2145.71	169.82
2	FID		ACIS-S-5	7.14	9557	-0.305	0.005	0.015	0.026	0.000000	0.000000	-1821.15	163.42
3	GUIDE	used	73279576	9.24	19093	-0.263	0.097	0.119	0.194	334.536883	1.637386	-944.45	1080.87
4	GUIDE	used	73280856	8.88	19102	-0.078	0.277	0.108	0.177	334.217234	1.963108	-1899.19	-255.88
5	GUIDE	used	73283152	8.80	19103	-0.242	-0.355	0.110	0.183	334.629700	0.871456	1712.73	1888.43
6	GUIDE	used	73272456	8.03	19108	0.304	-0.219	0.130	0.238	333.460038	0.876421	2427.66	-2259.86
7	GUIDE	used	73277416	8.68	19099	0.280	0.204	0.092	0.152	333.601712	1.981301	-1578.77	-2448.51

2.4 Star Slots

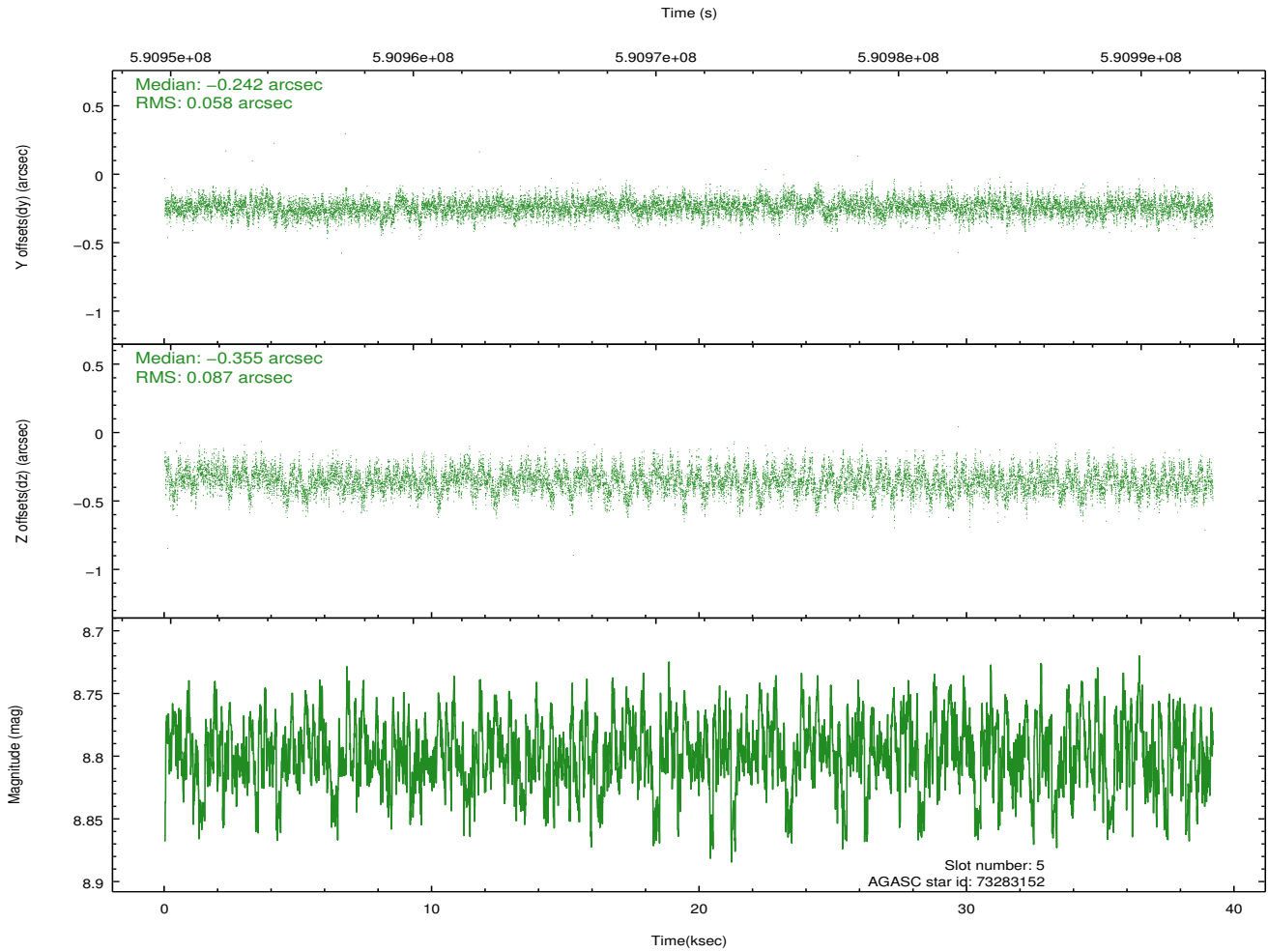
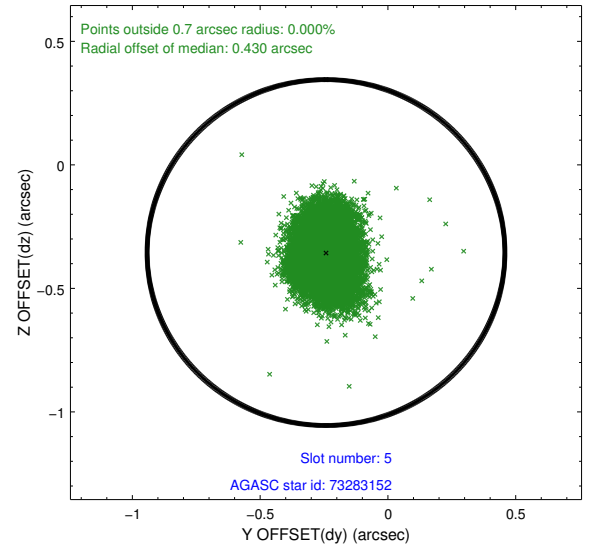
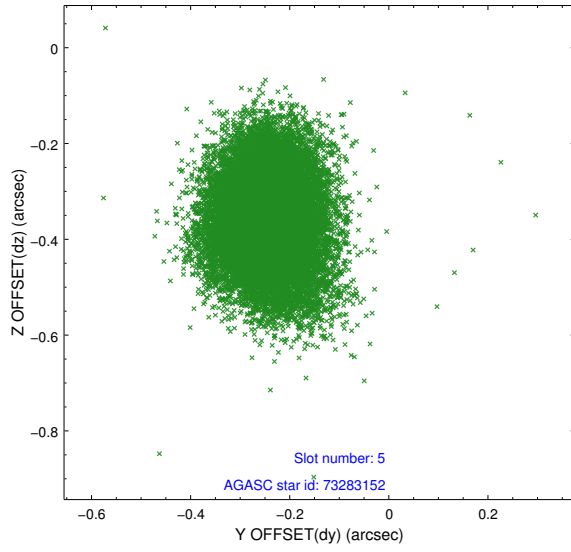
2.4.1 Slot 3



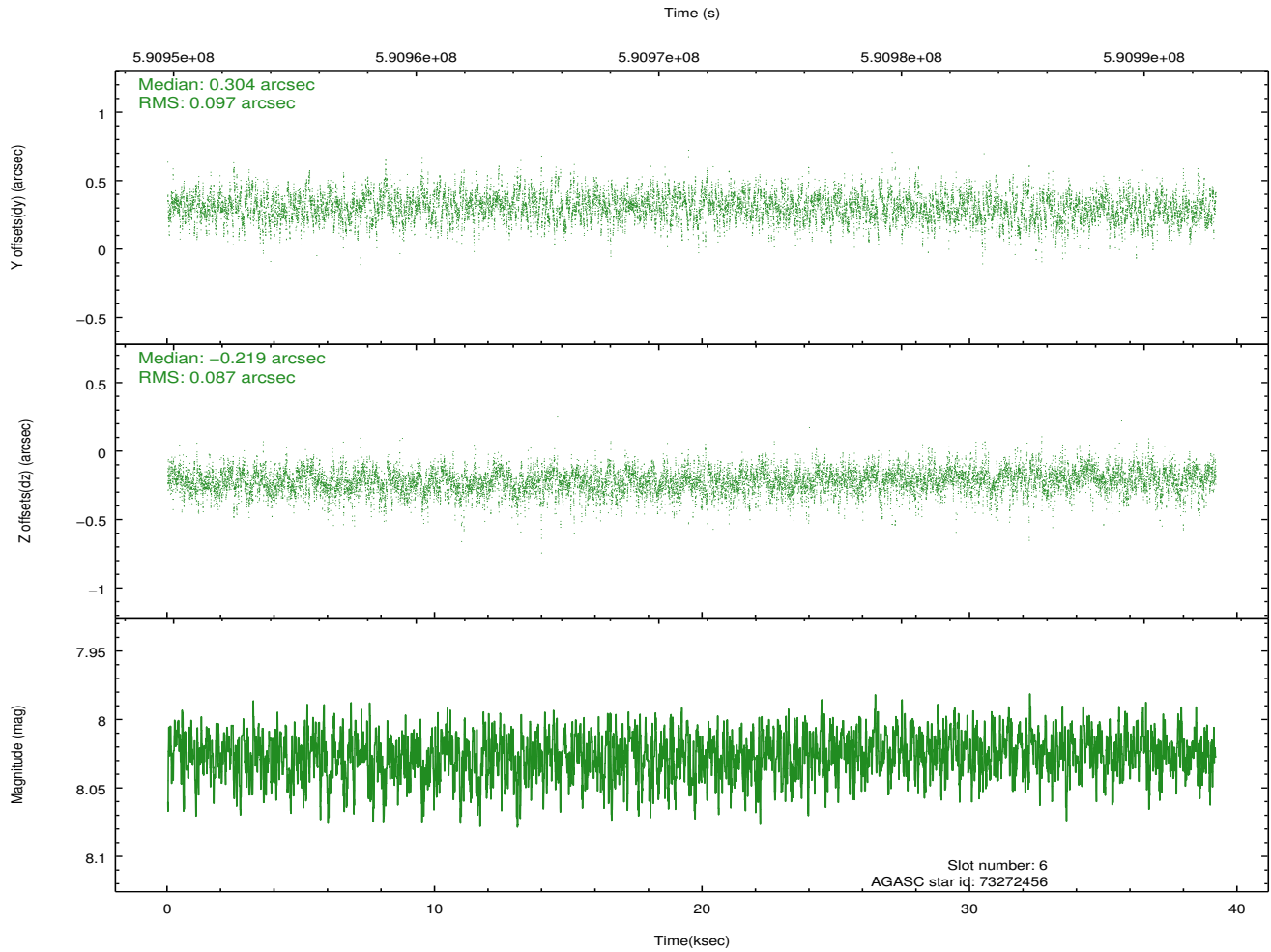
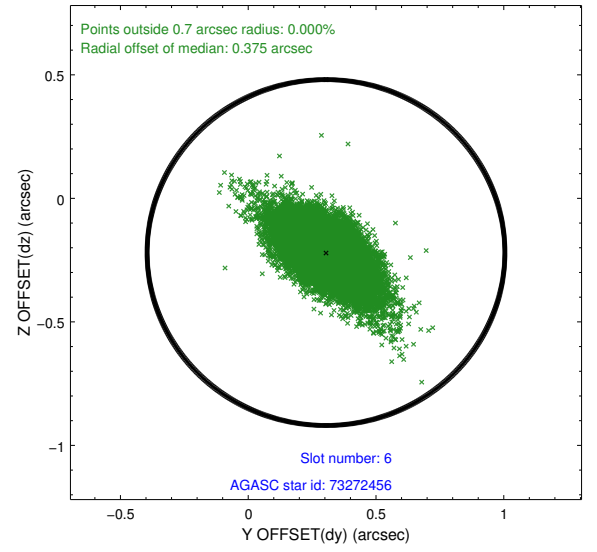
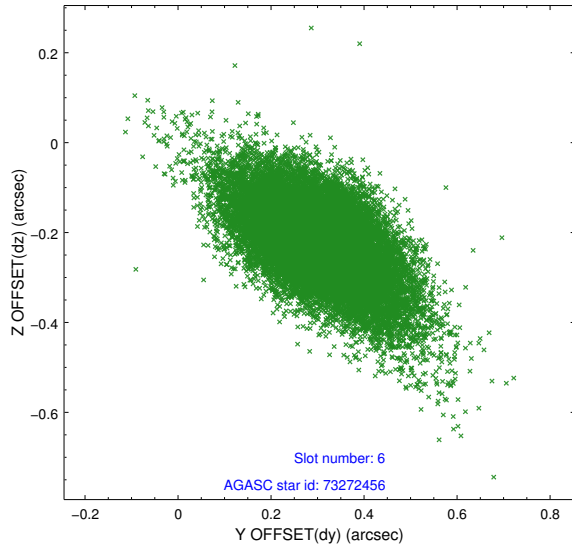
2.4.2 Slot 4



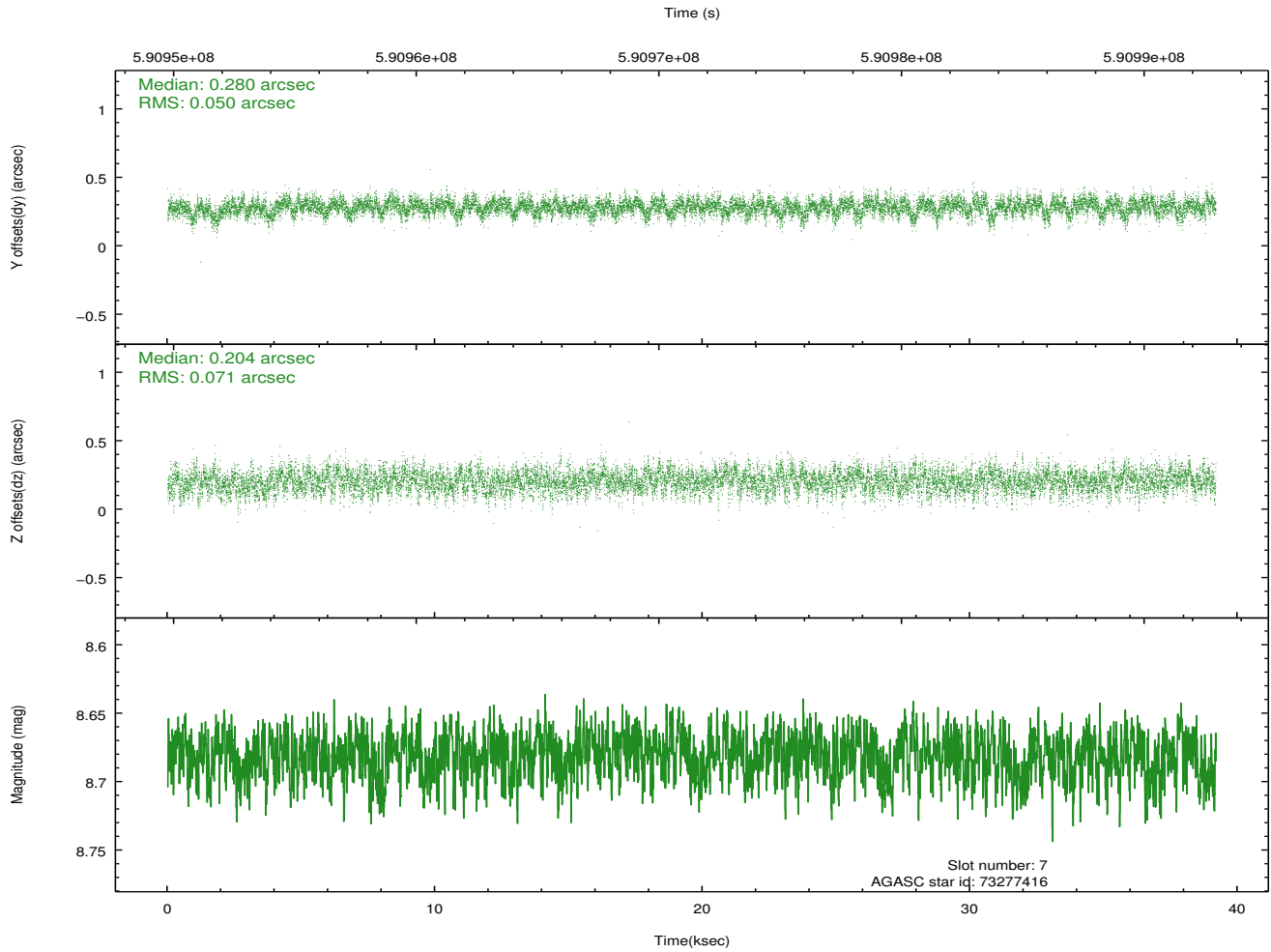
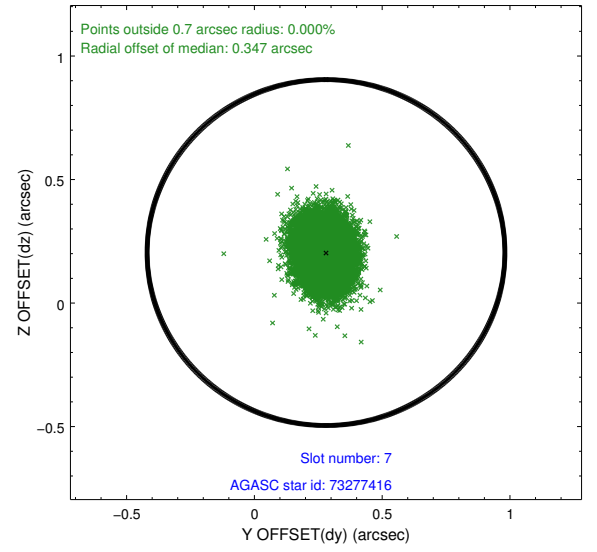
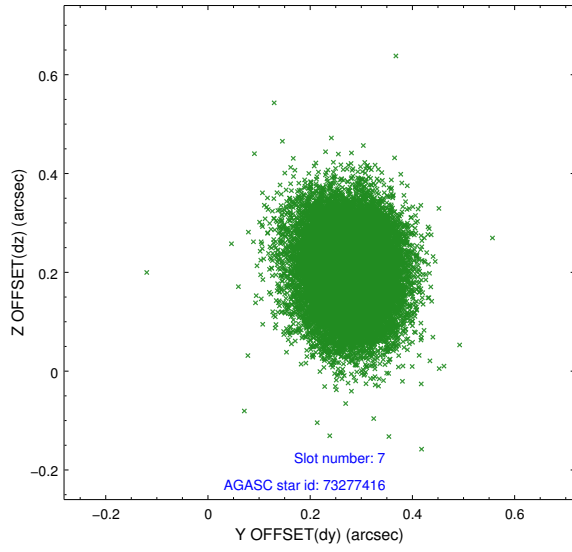
2.4.3 Slot 5



2.4.4 Slot 6

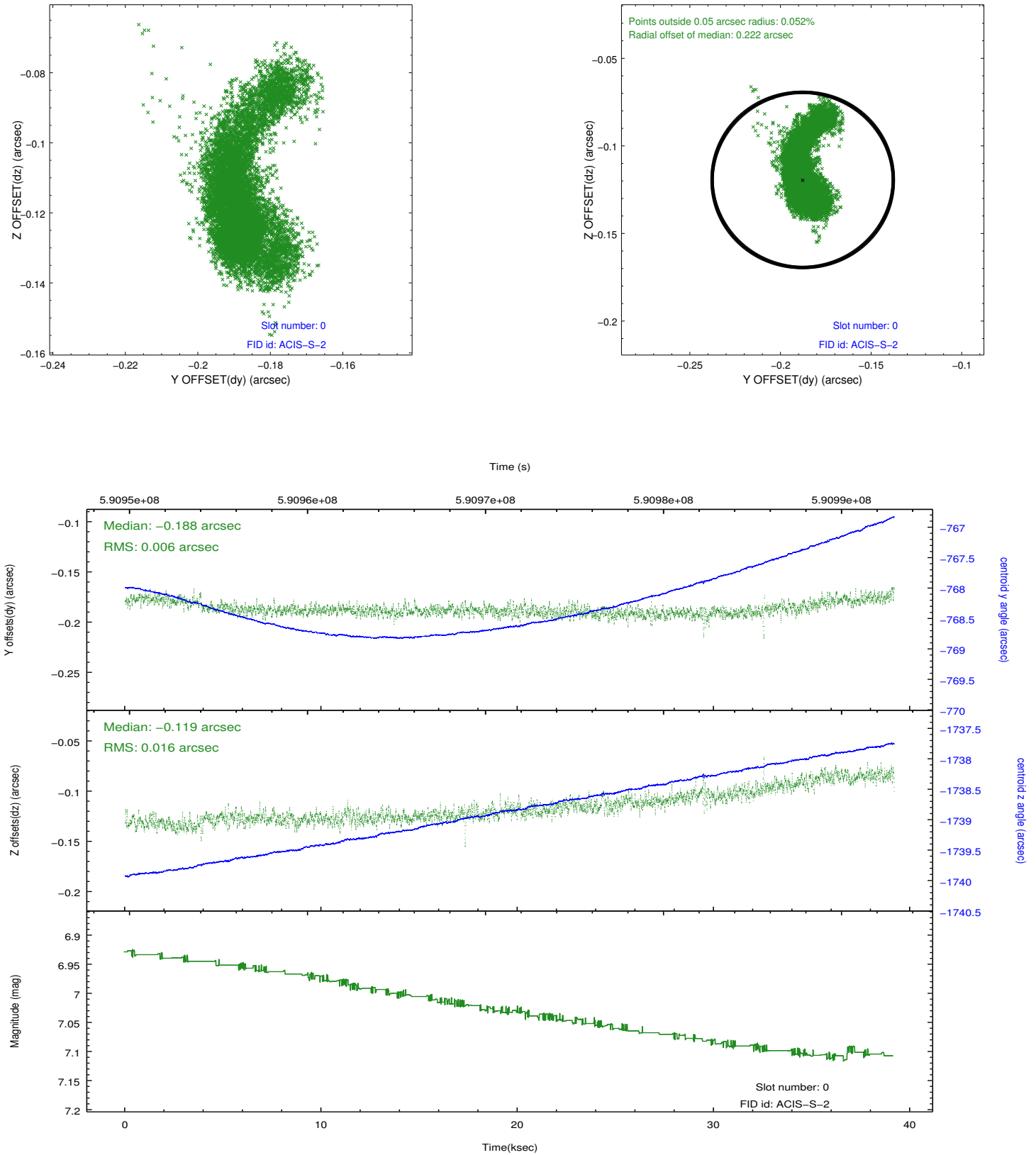


2.4.5 Slot 7

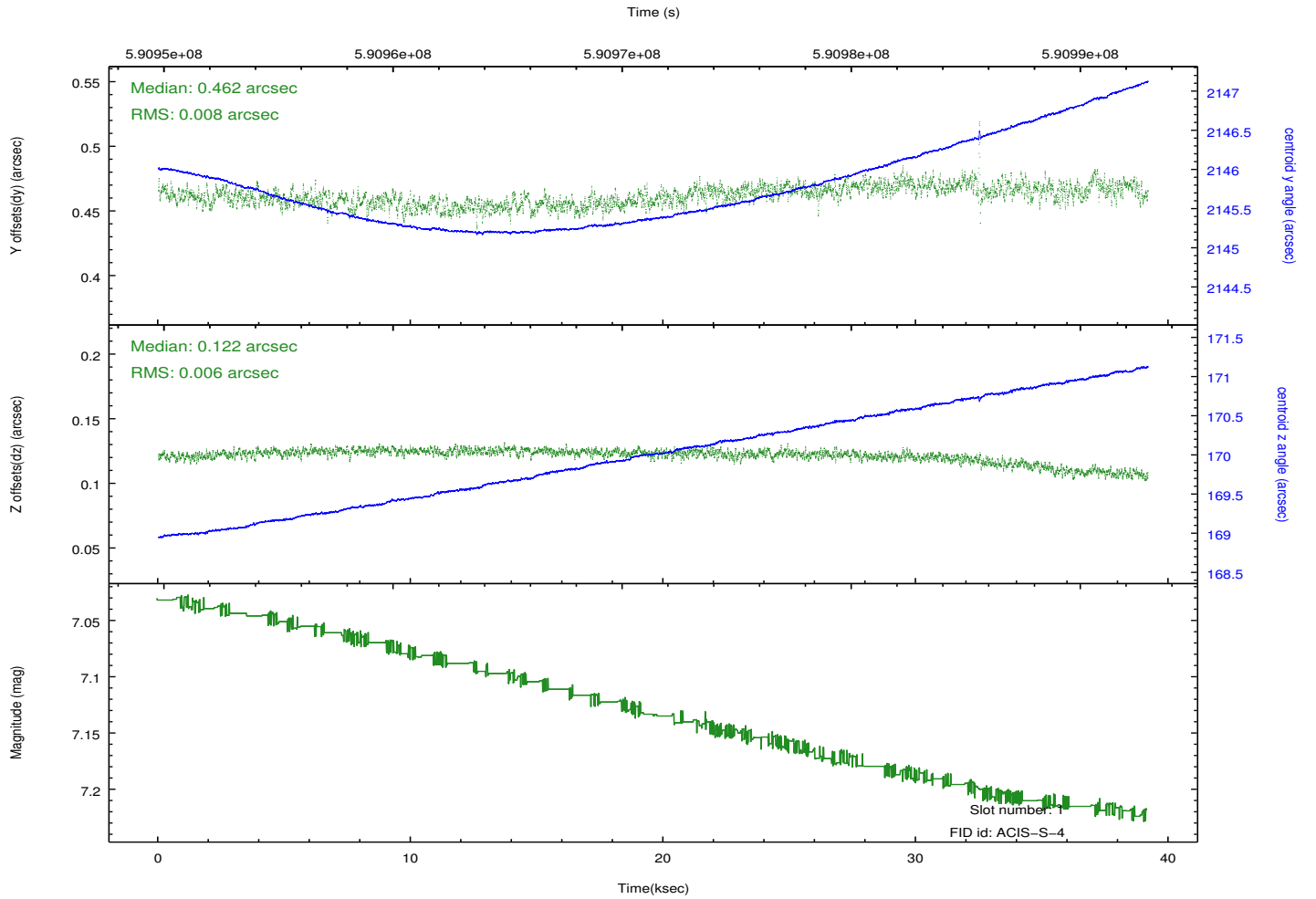
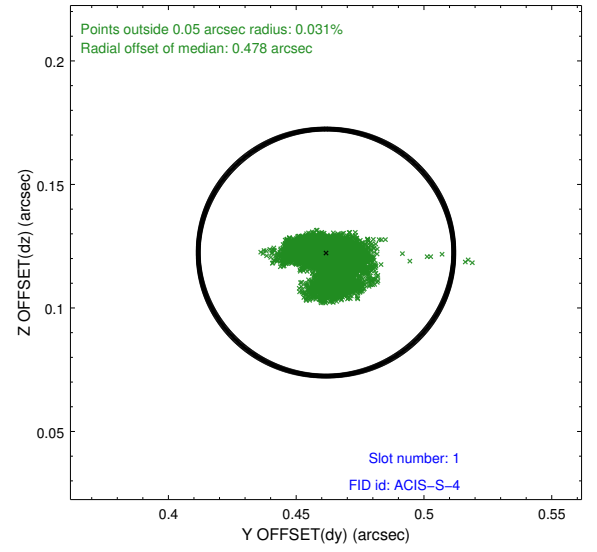
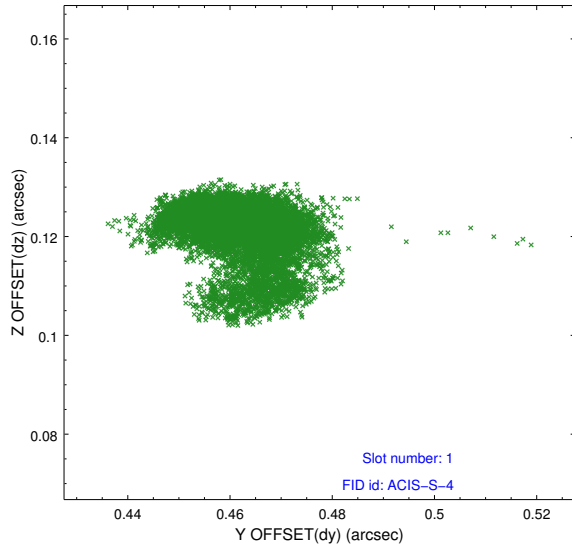


2.5 FID Slots

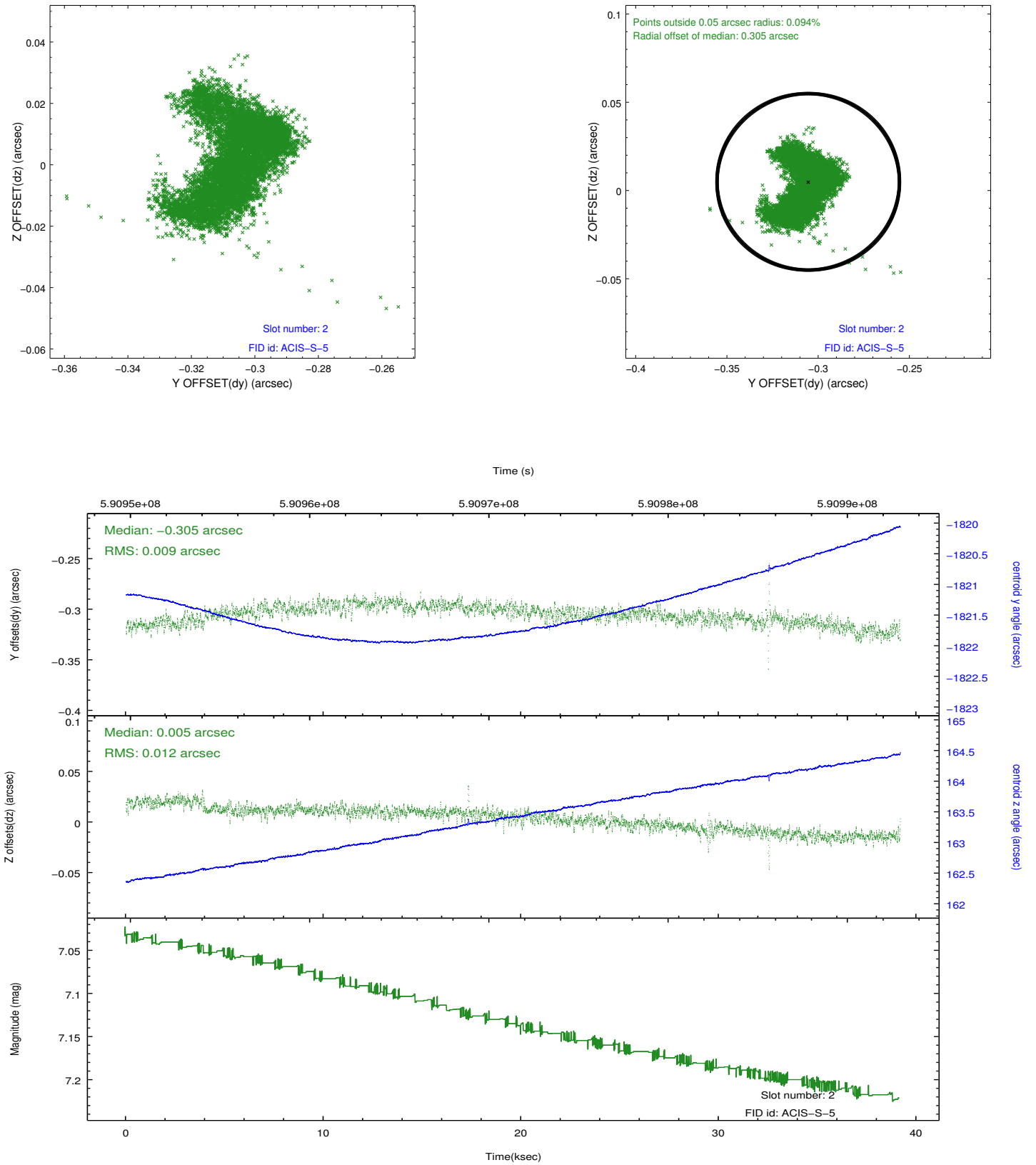
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.056900300503

A.2 Comments

Optional chip I2 was dropped.