

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7559 - L2 Version 2
Chandra X-Ray Center

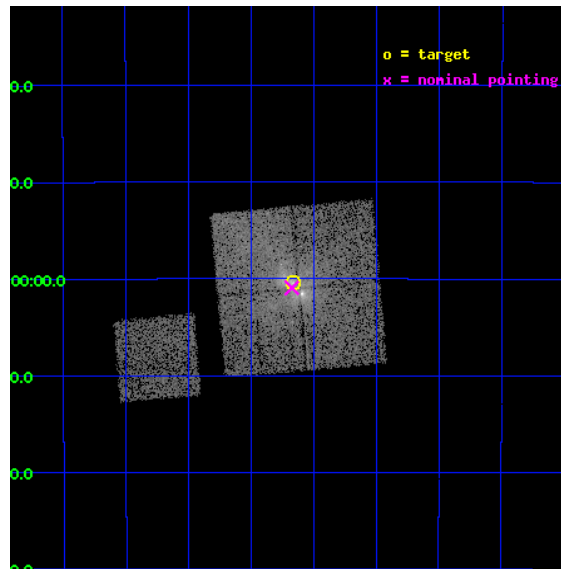
L2 Processing Date : May 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

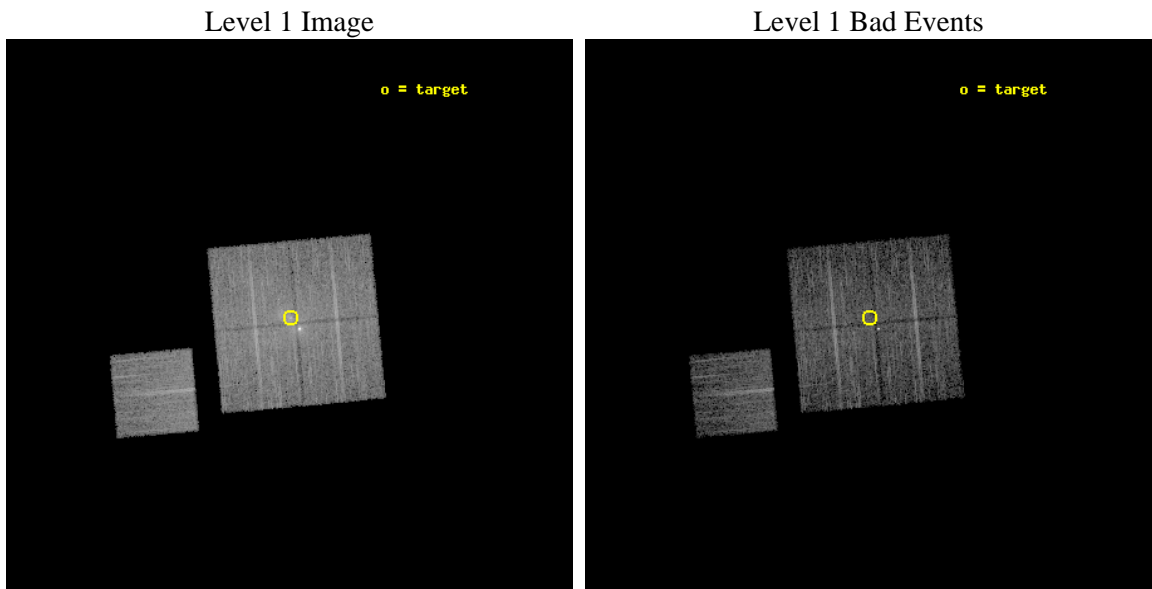
seq_num	400669	Sequence number
obs_id	7559	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41867960264	Nominal RA [deg]
dec_nom	-29.015640687584	Nominal Dec [deg]
roll_nom	264.8151587555	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5071.6000390053	Sum of GTIs [s]
livetime	5005.335850838	Livetime [s]
ontime0	5071.6000390053	Sum of GTIs [s]
ontime1	5071.6000390053	Sum of GTIs [s]
ontime2	5071.6000390053	Sum of GTIs [s]
ontime3	5071.6000390053	Sum of GTIs [s]
ontime6	5071.6000390053	Sum of GTIs [s]
l2events	51161	Number of level 2 events



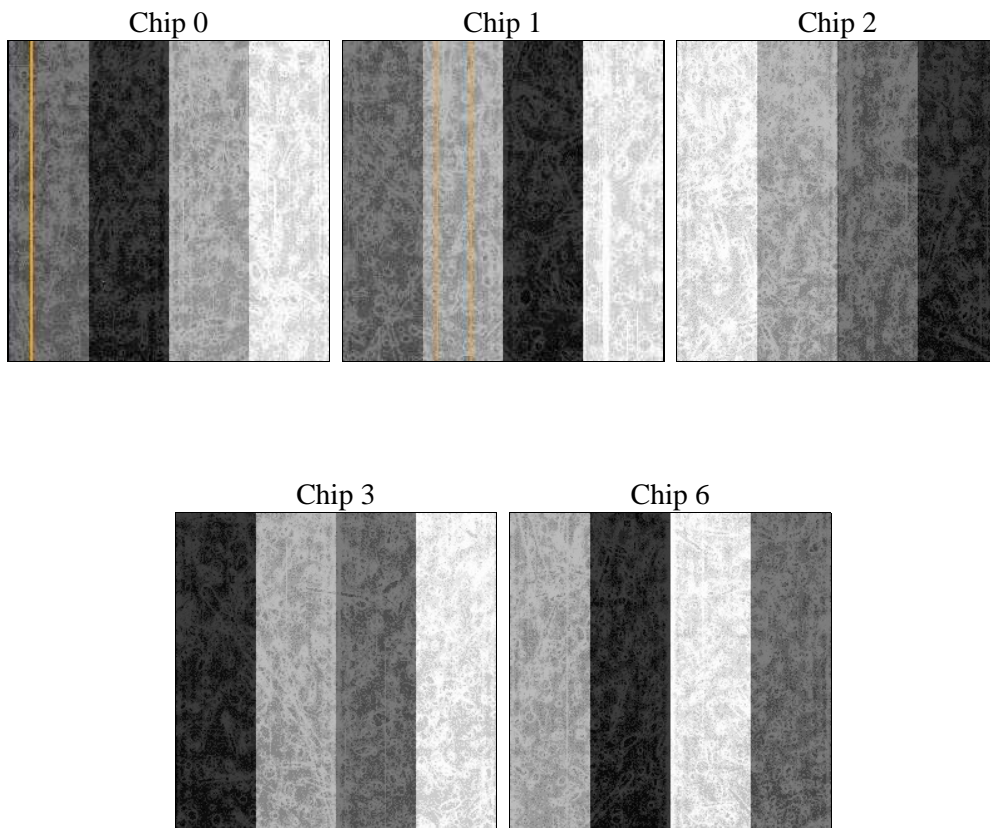
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5031.754000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5071.6000390053	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5071.6000390053	Sum of GTIs [s]
date	2012-05-03T12:29:04	Date and time of file creation	ontime1	5071.6000390053	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5071.6000390053	Sum of GTIs [s]
			ontime3	5071.6000390053	Sum of GTIs [s]
			ontime6	5071.6000390053	Sum of GTIs [s]
			l1events	266193	Number of level 1 events

2.1.4 Events

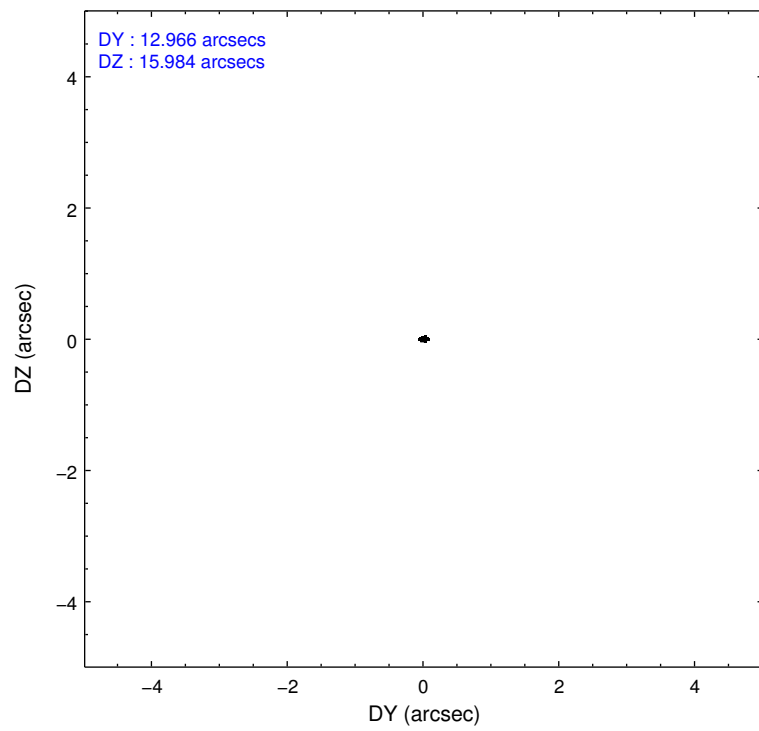
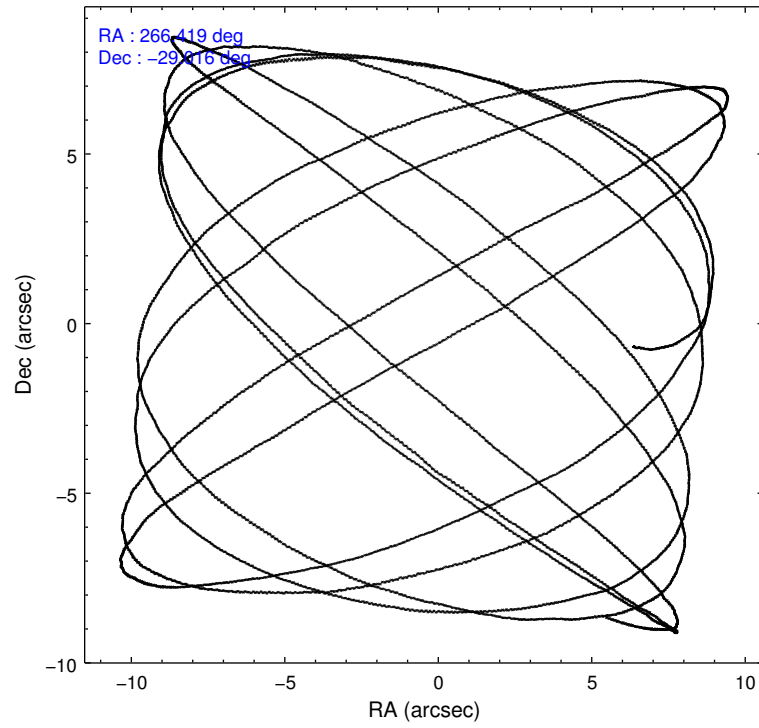
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	52997	50011	56511	57152	49522
rejected events	39744	39679	45544	41183	42792
rejected %	74%	79%	80%	72%	86%

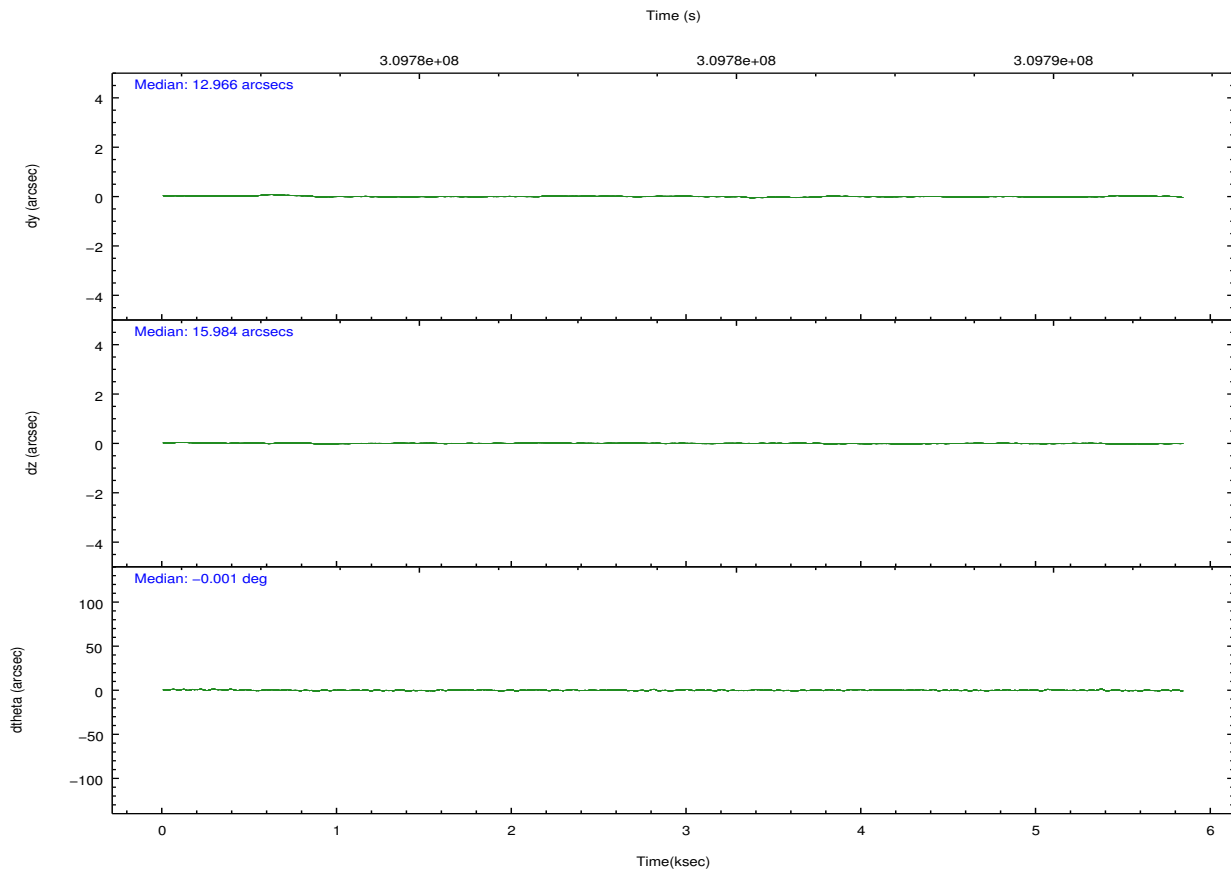
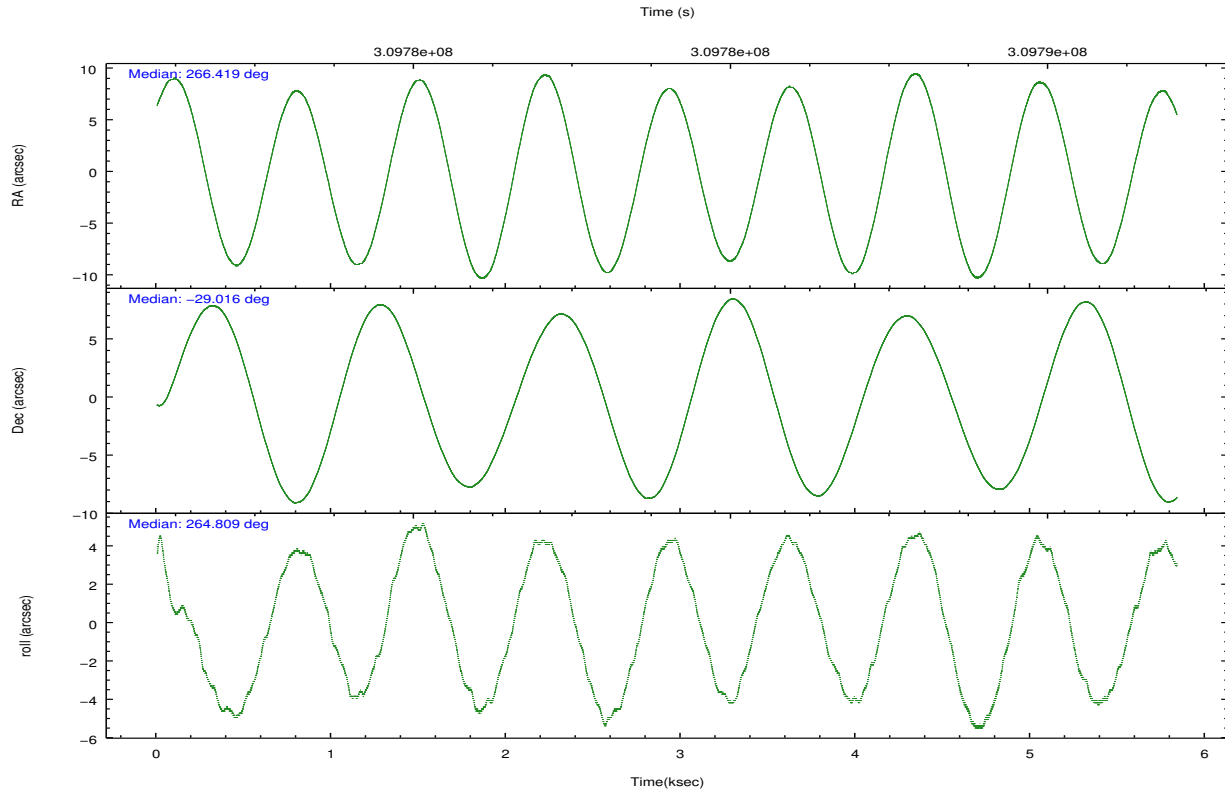
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7049	5145	6232	9441	2977
	13%	10%	11%	16%	6%
grade 1 events	230	38	63	79	23
	0%	0%	0%	0%	0%
grade 2 events	2467	2104	1839	2560	1302
	4%	4%	3%	4%	2%
grade 3 events	945	732	798	1029	616
	1%	1%	1%	1%	1%
grade 4 events	876	781	734	1122	616
	1%	1%	1%	1%	1%
grade 5 events	2235	2203	1959	2324	2387
	4%	4%	3%	4%	4%
grade 6 events	1934	1581	1377	1835	1229
	3%	3%	2%	3%	2%
grade 7 events	37261	37427	43509	38762	40372
	70%	74%	76%	67%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.405303	266.4186796026421	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.990766	-29.01564068758367	CCD I3 on	Y	Y
[deg] Pointing Roll	264.599998	264.815158755496	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	309781484.184000	309780244.09994	CCD S5 on	N	N
Observation start date	2007-10-26T10:23:39	2007-10-26T10:04:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309786515.184000	309786753.36275	On-chip summing requested	N	N
Observation end date	2007-10-26T11:47:30	2007-10-26T11:52:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



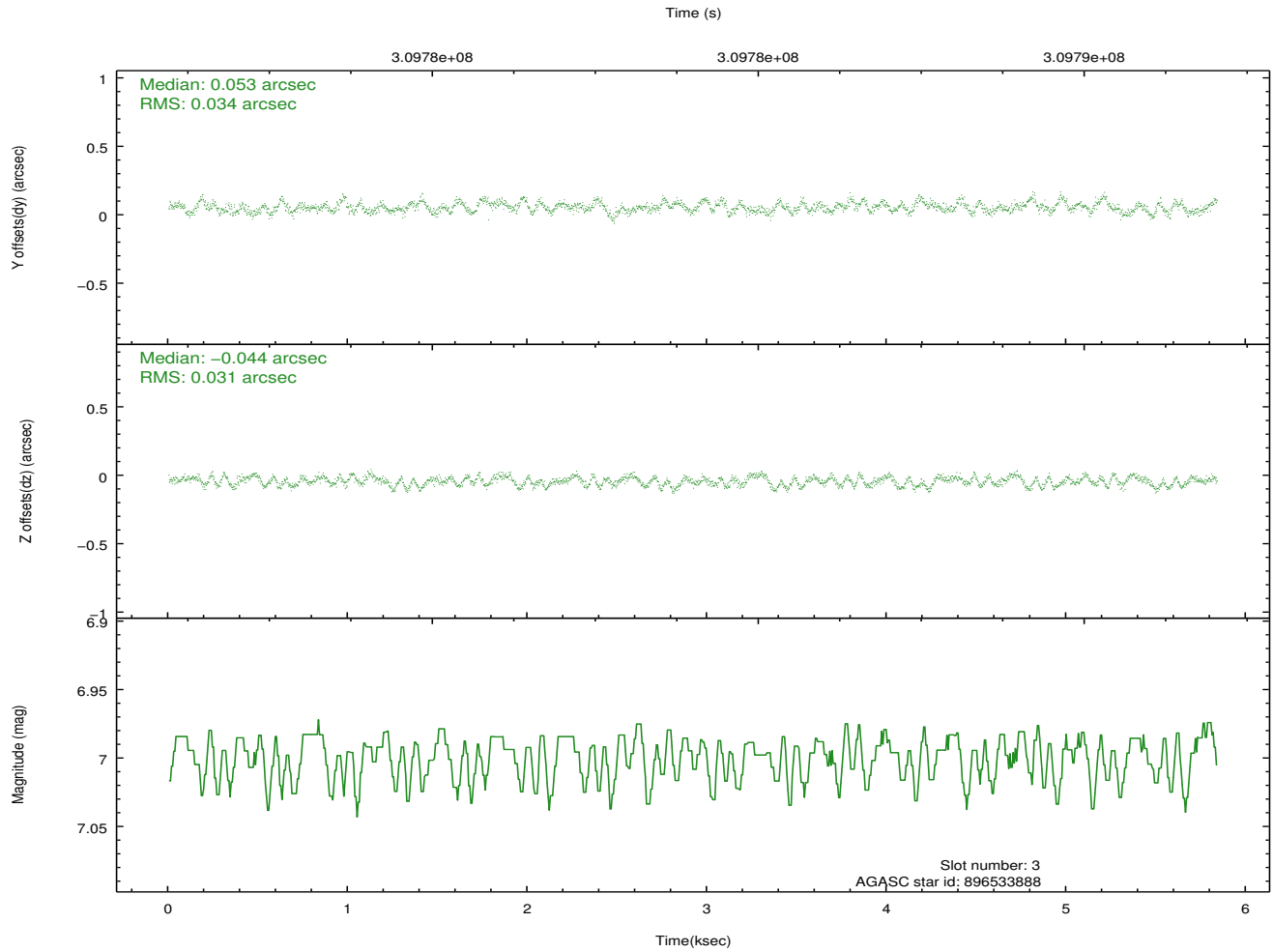
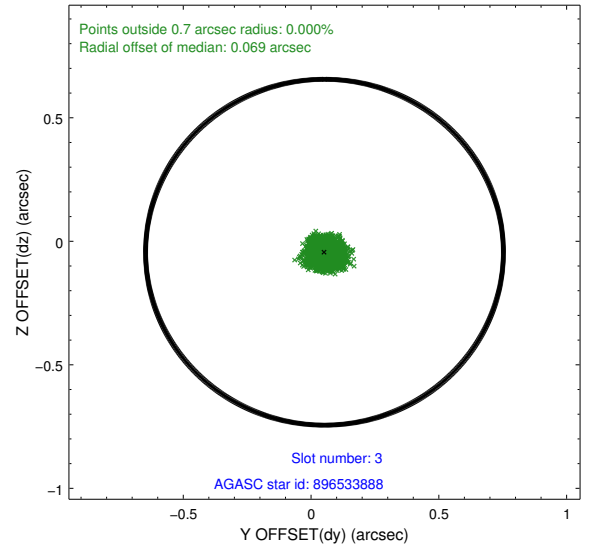
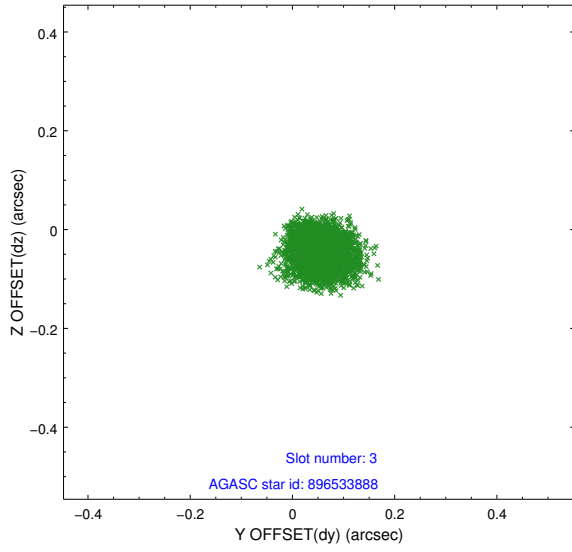


Slot Statistics

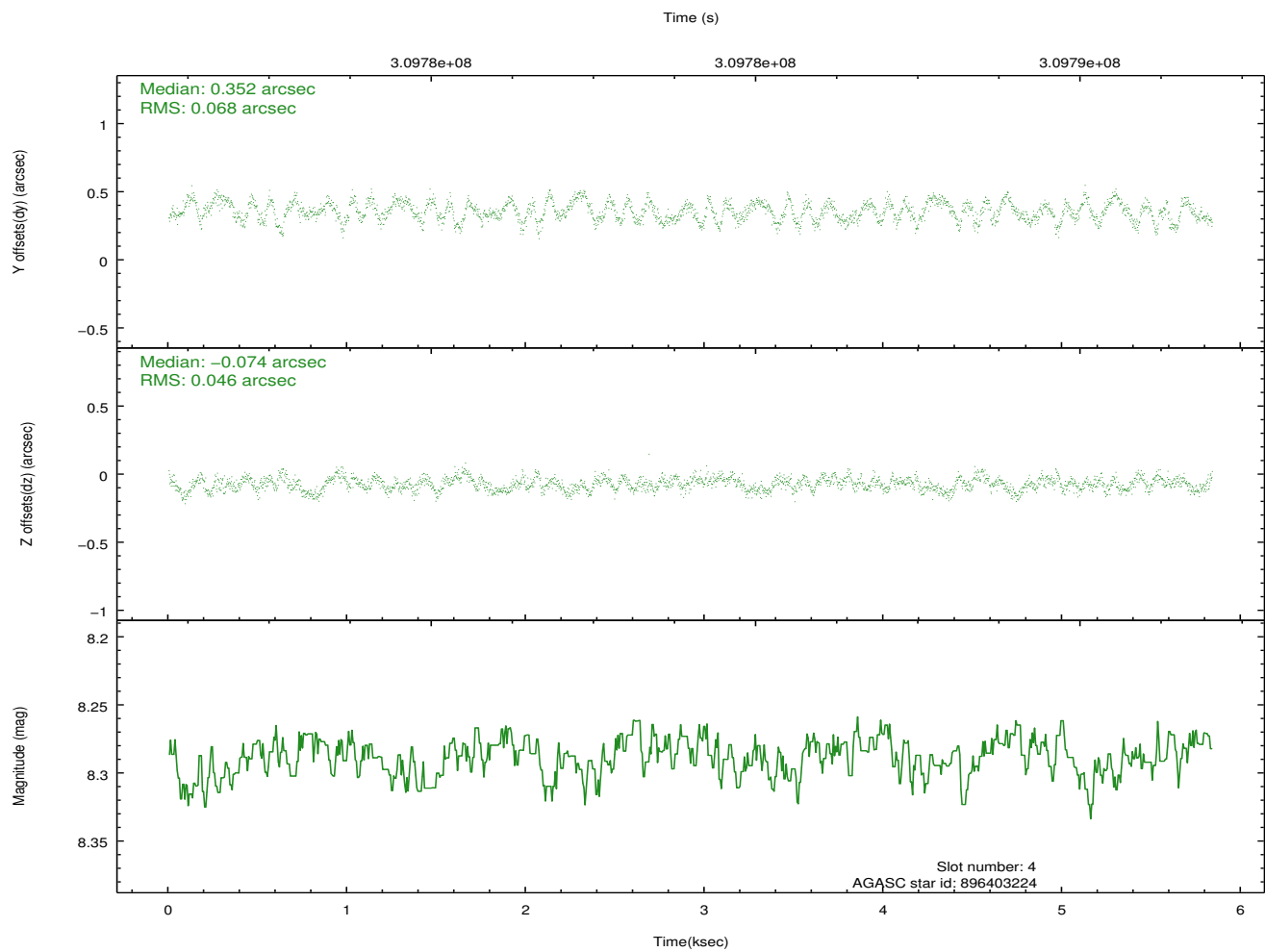
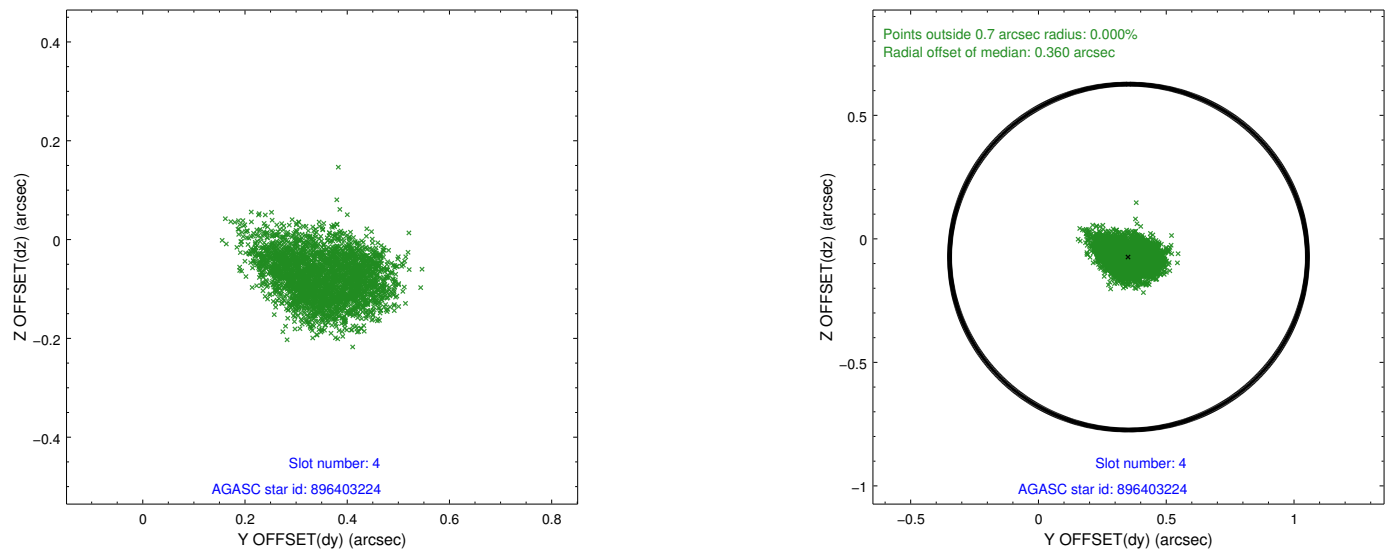
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	1424	0.057	-0.050	0.007	0.012	0.000000	0.000000	926.58	-839.68
1	FID	ACIS-I-5	7.22	1424	-0.205	0.056	0.007	0.011	0.000000	0.000000	-1821.19	1057.46
2	FID	ACIS-I-6	7.23	1424	0.057	0.065	0.007	0.012	0.000000	0.000000	391.07	1703.08
3	GUIDE	896533888	7.00	2848	0.053	-0.044	0.051	0.078	266.666434	-29.392757	1364.90	951.82
4	GUIDE	896403224	8.29	2848	0.352	-0.074	0.089	0.137	265.612825	-29.438915	1850.03	-2320.44
5	GUIDE	896404568	7.86	2848	-0.181	0.028	0.051	0.082	265.687293	-28.431080	-1784.15	-2453.04
6	GUIDE	896538696	6.82	2848	-0.113	0.148	0.043	0.068	266.298470	-28.325572	-2352.37	-563.41
7	GUIDE	896538208	7.96	2847	-0.113	-0.055	0.057	0.089	267.176969	-28.671626	-1366.17	2318.80

2.4 Star Slots

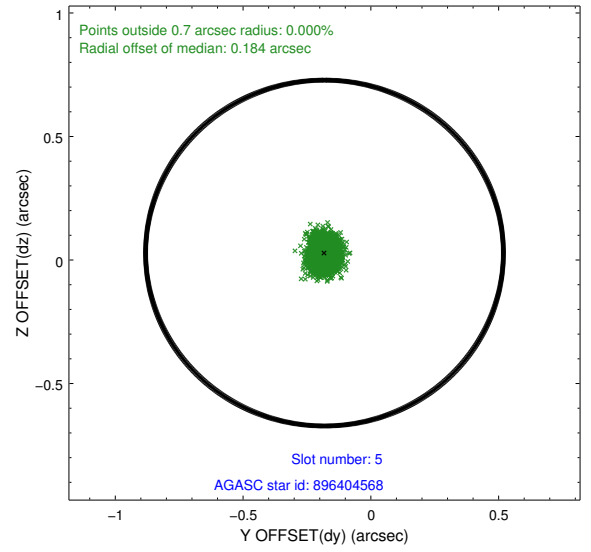
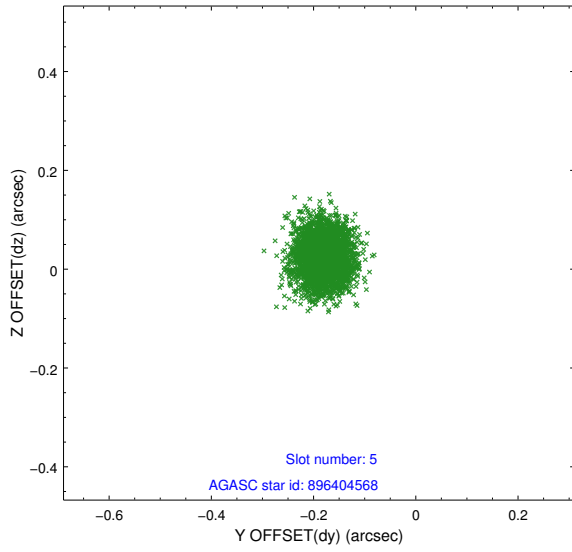
2.4.1 Slot 3



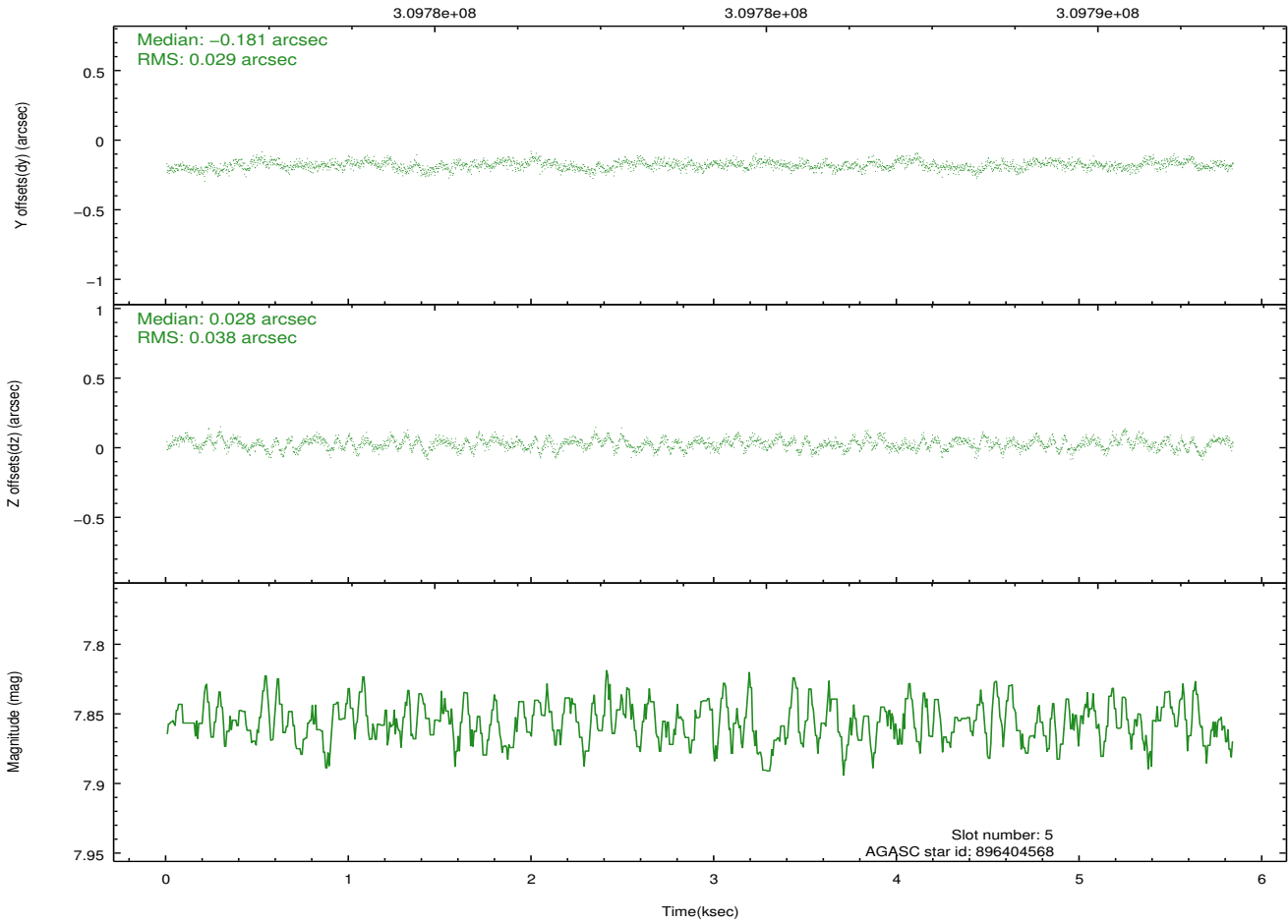
2.4.2 Slot 4



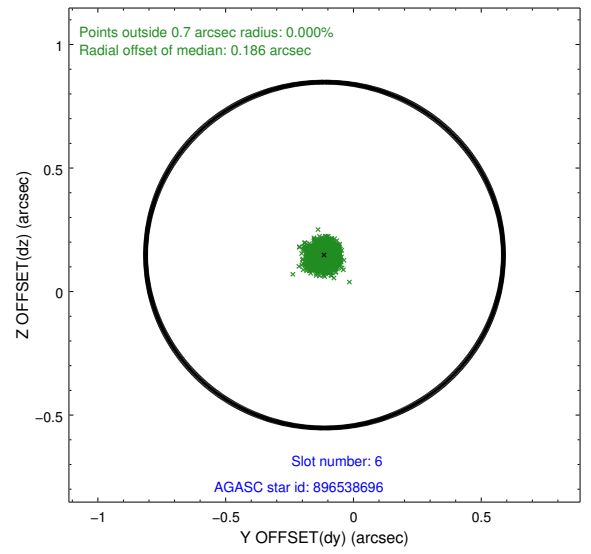
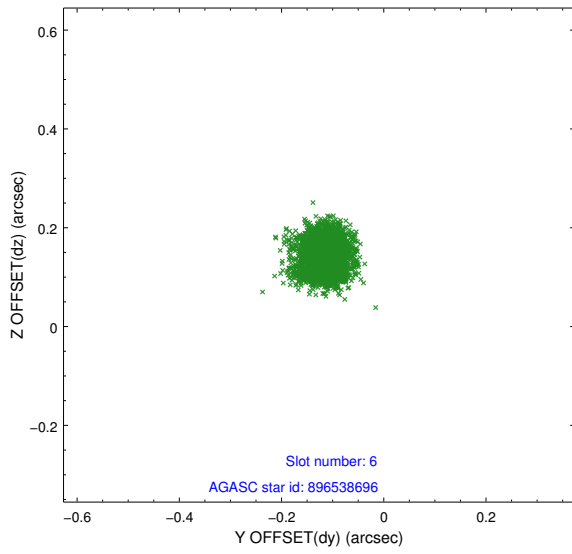
2.4.3 Slot 5



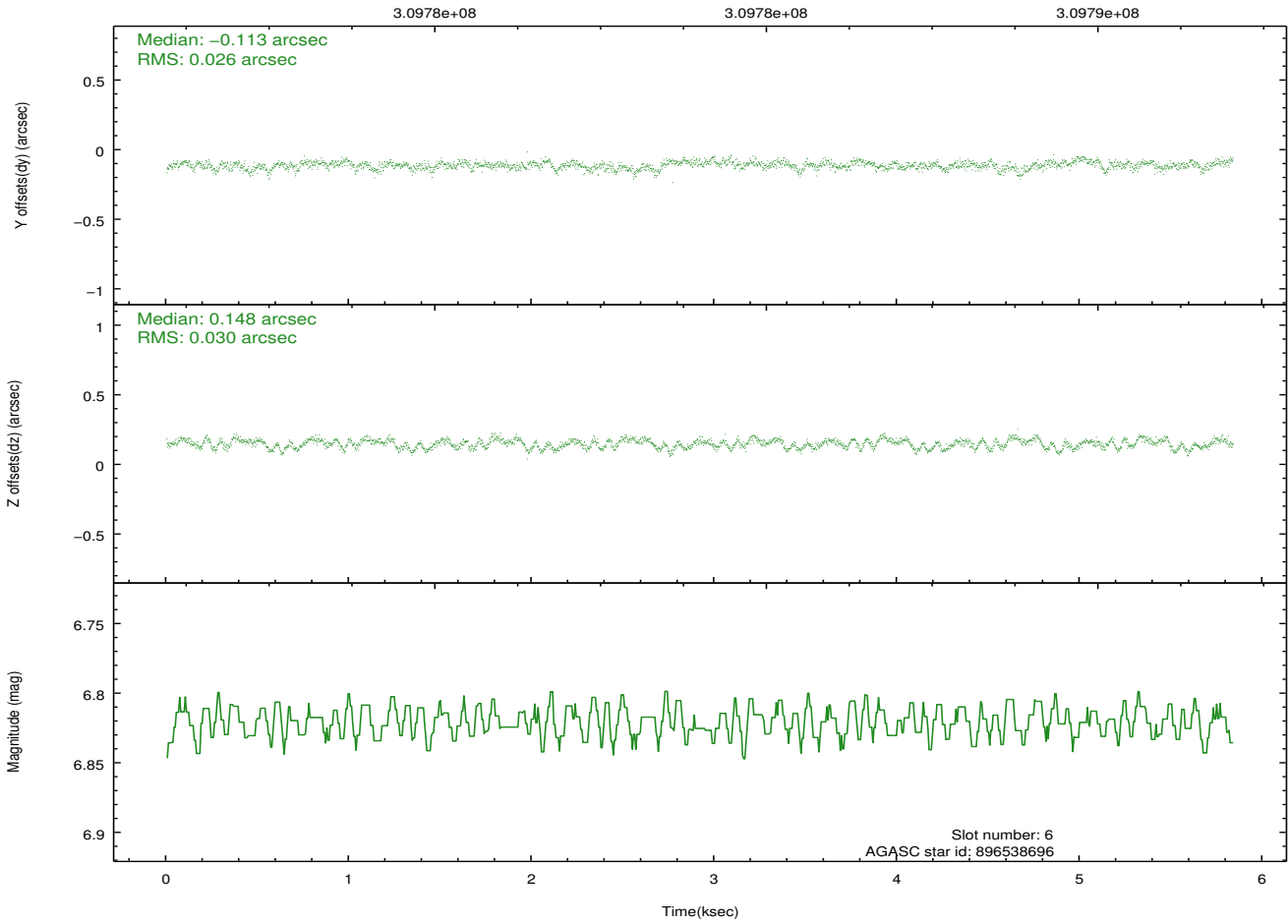
Time (s)



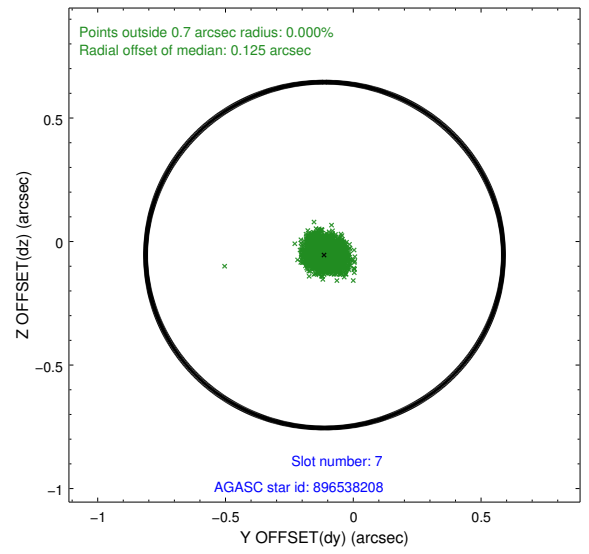
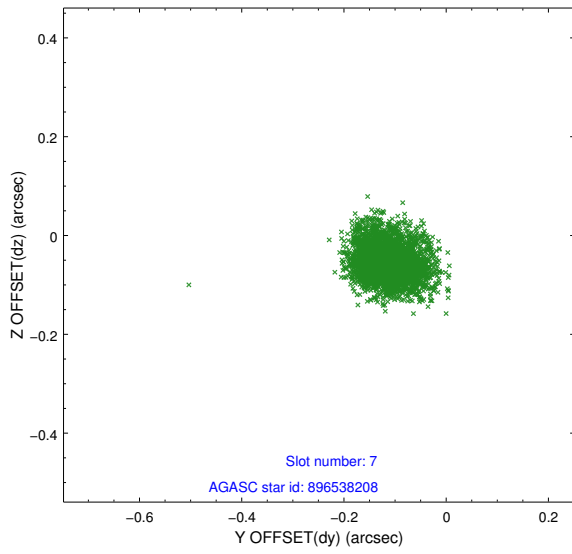
2.4.4 Slot 6



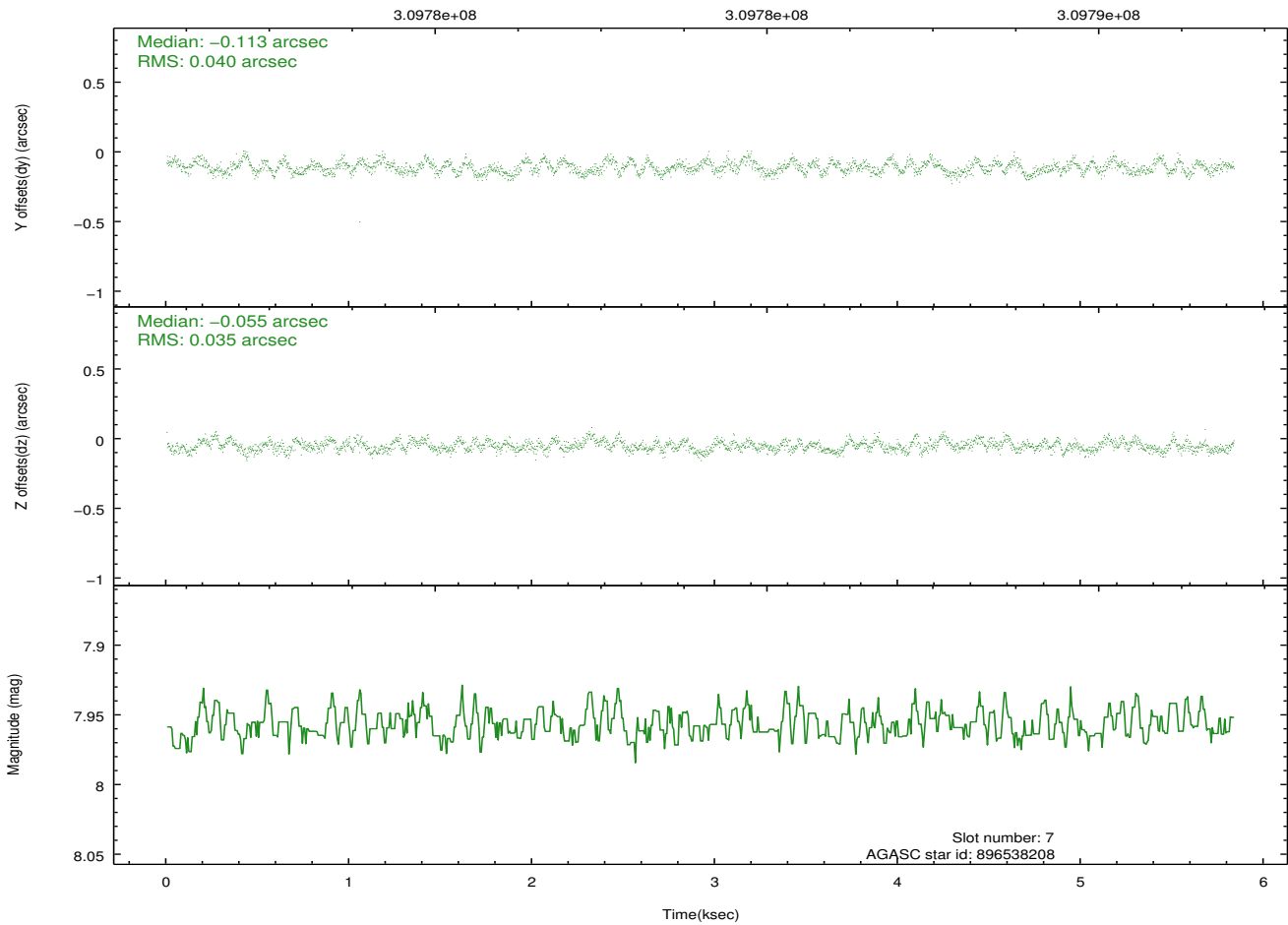
Time (s)



2.4.5 Slot 7

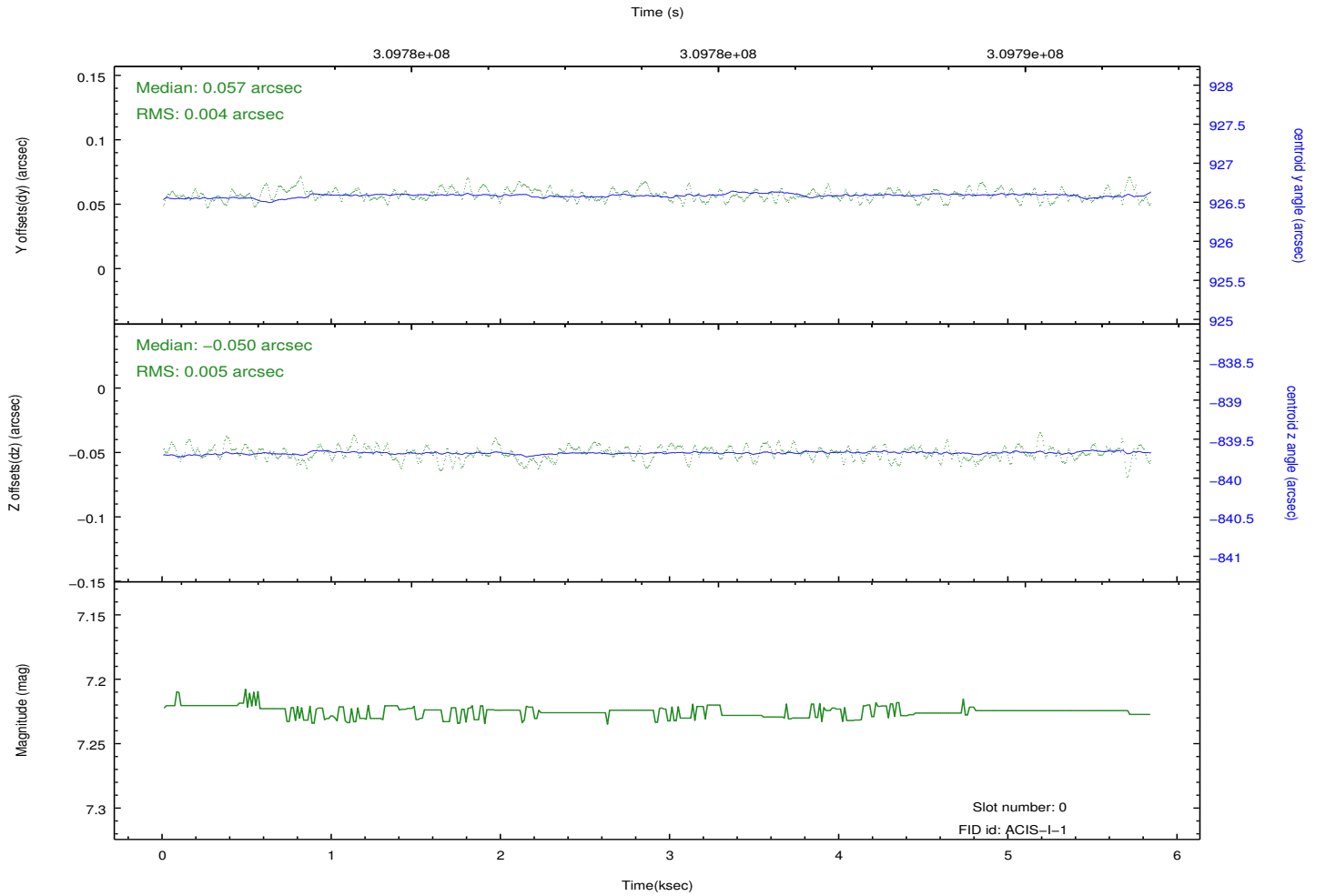
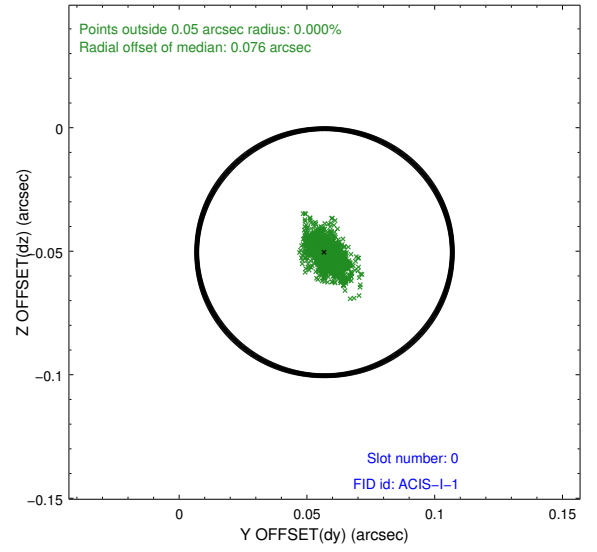
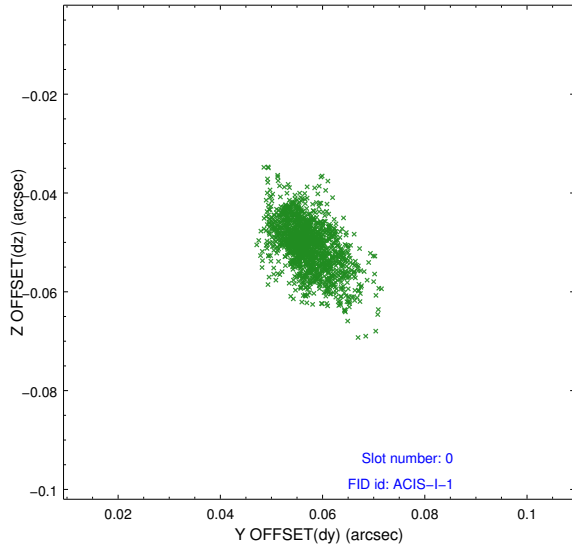


Time (s)

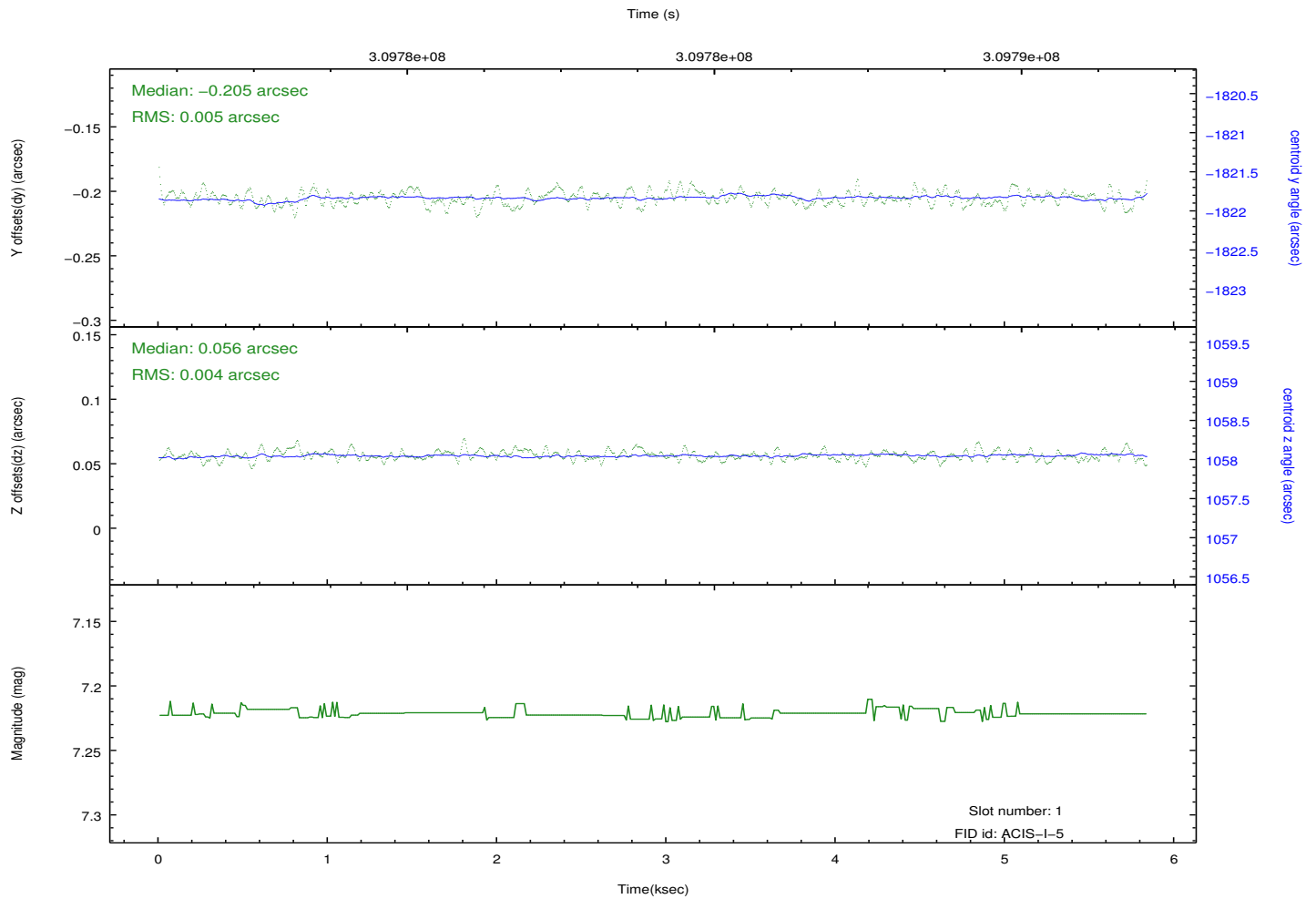
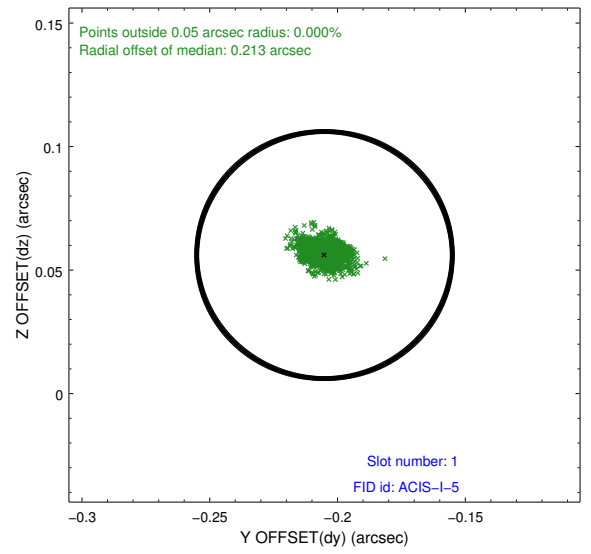
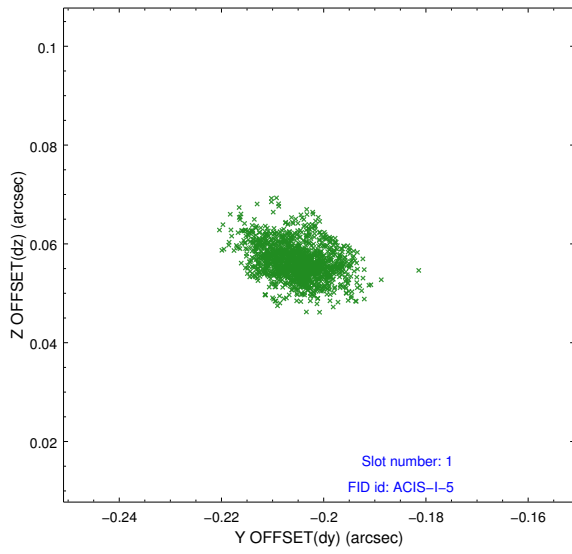


2.5 FID Slots

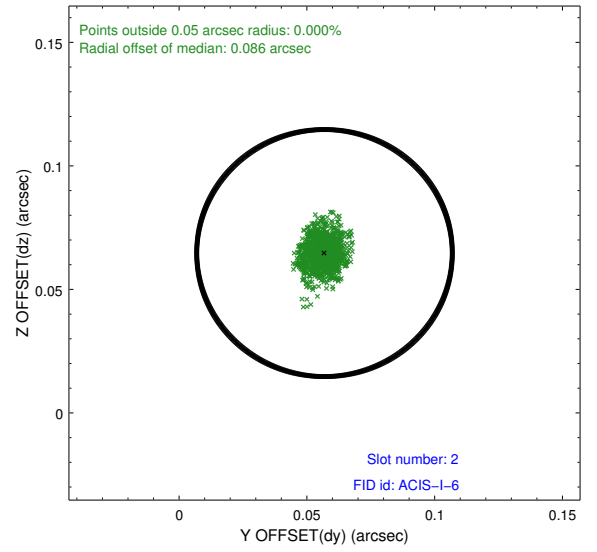
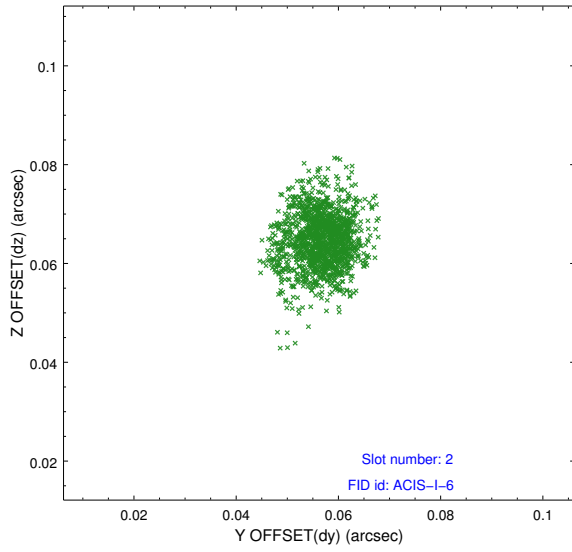
2.5.1 Slot 0



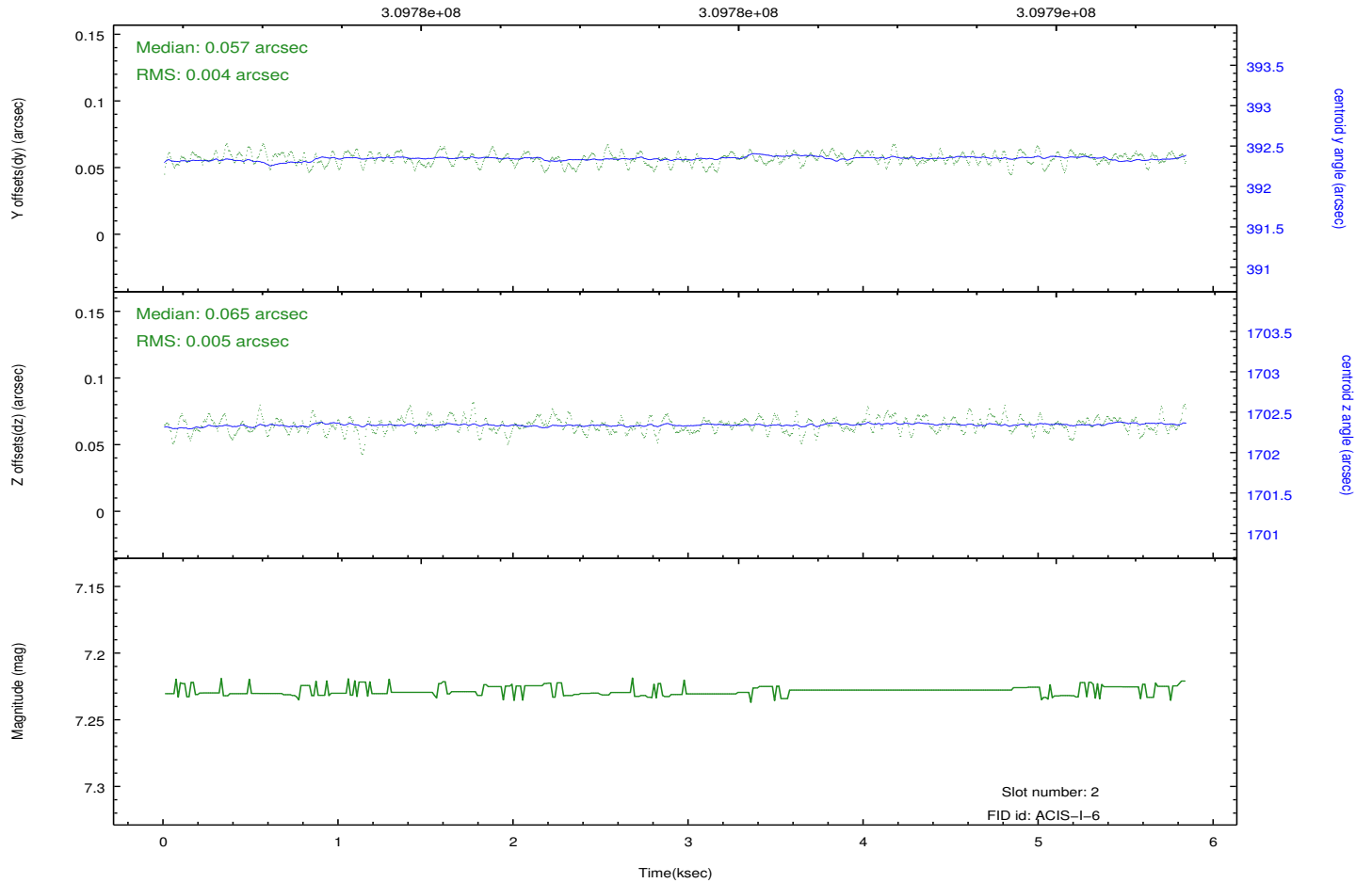
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.07160003

A.2 Comments

Monitor constraint met.