

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7554 - L2 Version 3
Chandra X-Ray Center

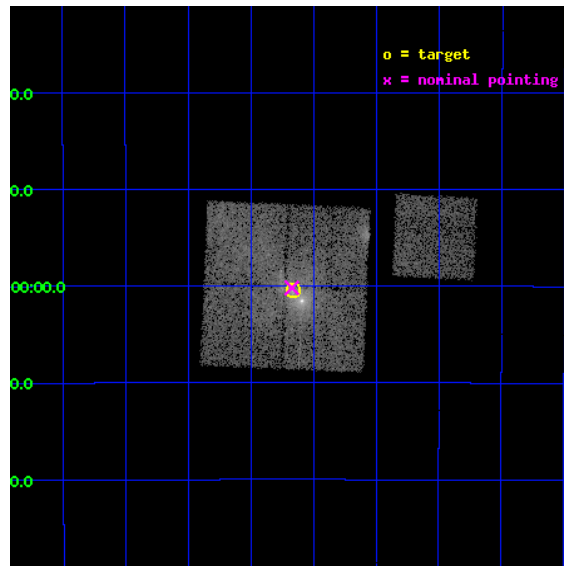
L2 Processing Date : Apr 20 2012

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

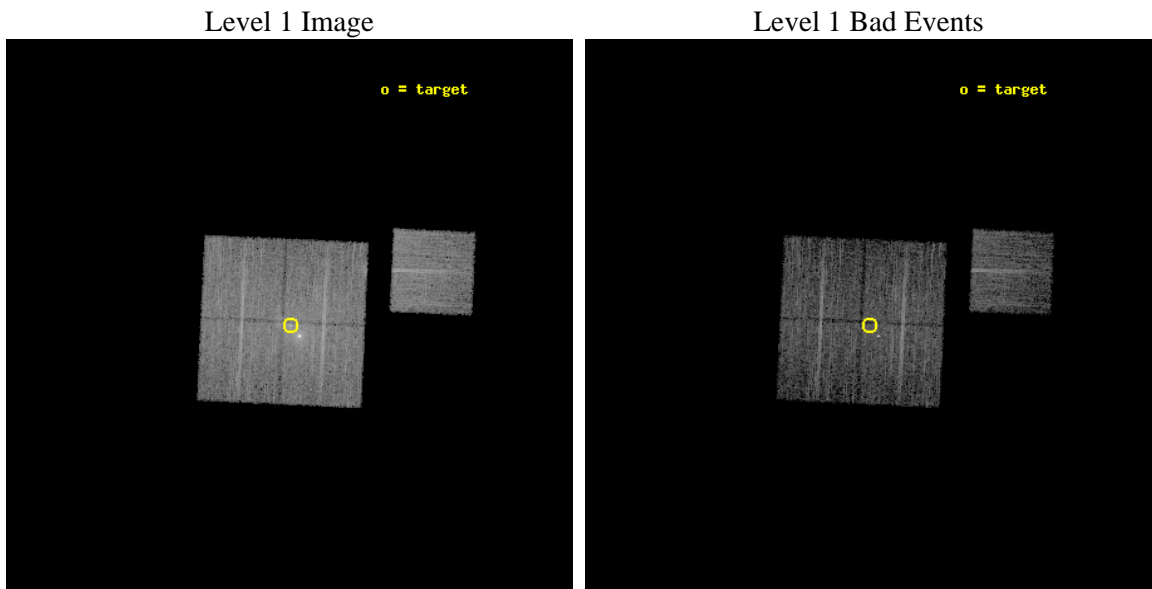
seq_num	400664	Sequence number
obs_id	7554	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41846112112	Nominal RA [deg]
dec_nom	-29.003317618461	Nominal Dec [deg]
roll_nom	92.623862198364	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5146.0000395775	Sum of GTIs [s]
livetime	5078.7637606303	Livetime [s]
ontime0	5142.8590792418	Sum of GTIs [s]
ontime1	5146.0000395775	Sum of GTIs [s]
ontime2	5146.0000395775	Sum of GTIs [s]
ontime3	5146.0000395775	Sum of GTIs [s]
ontime6	5146.0000395775	Sum of GTIs [s]
l2events	54863	Number of level 2 events



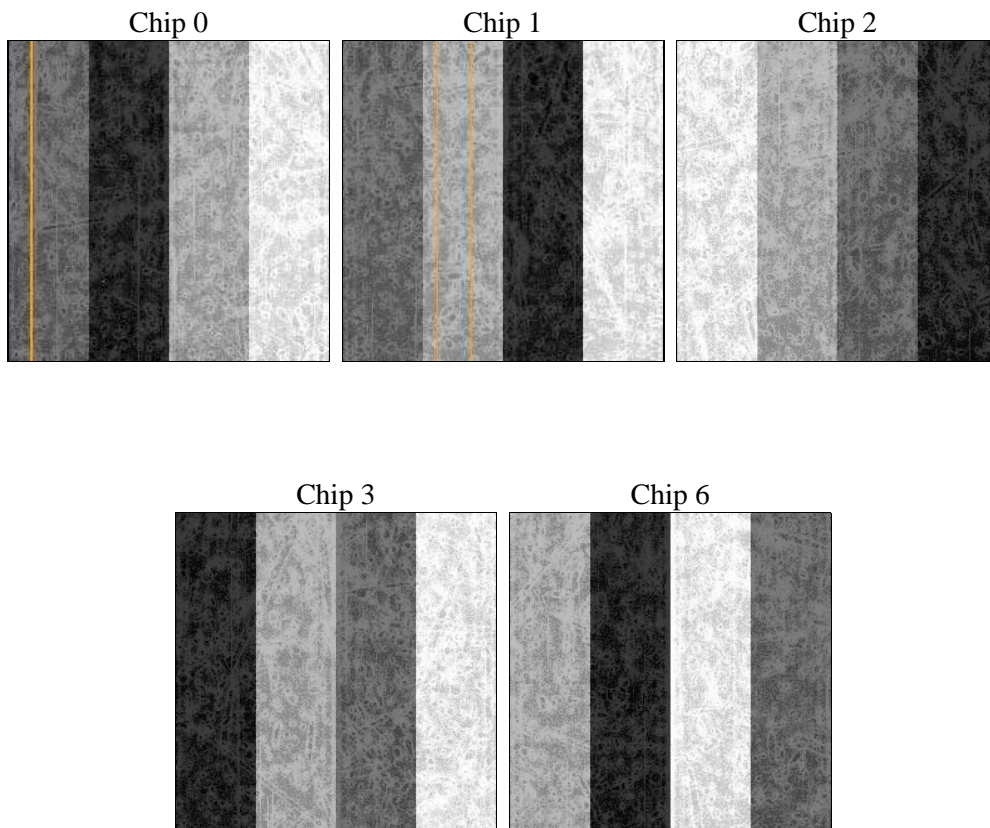
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5146.0000395775	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5142.8590792418	Sum of GTIs [s]
date	2012-04-20T03:10:49	Date and time of file creation	ontime1	5146.0000395775	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5146.0000395775	Sum of GTIs [s]
			ontime3	5146.0000395775	Sum of GTIs [s]
			ontime6	5146.0000395775	Sum of GTIs [s]
			l1events	267242	Number of level 1 events

2.1.4 Events

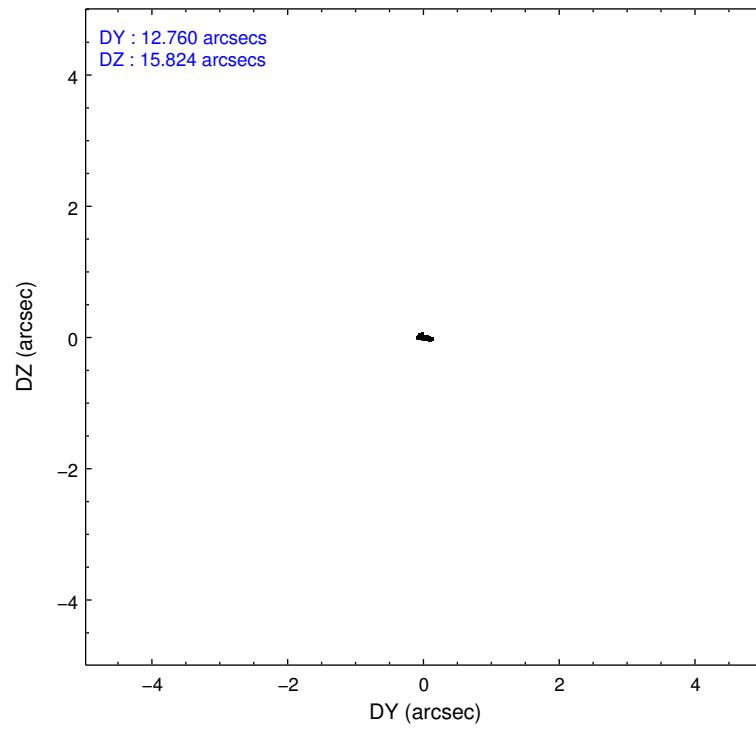
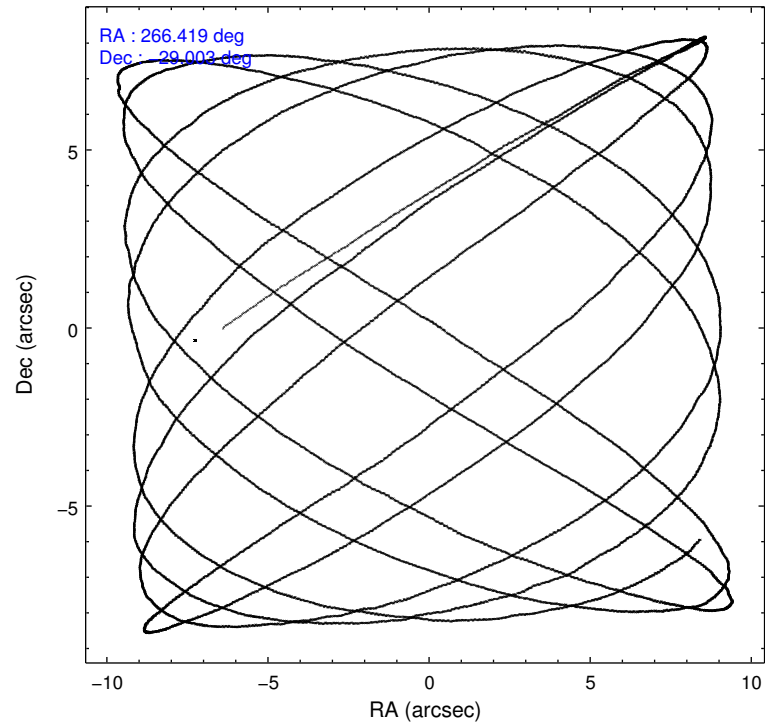
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	52804	48925	54010	61497	50006
rejected events	39454	38185	42366	43531	43102
rejected %	74%	78%	78%	70%	86%

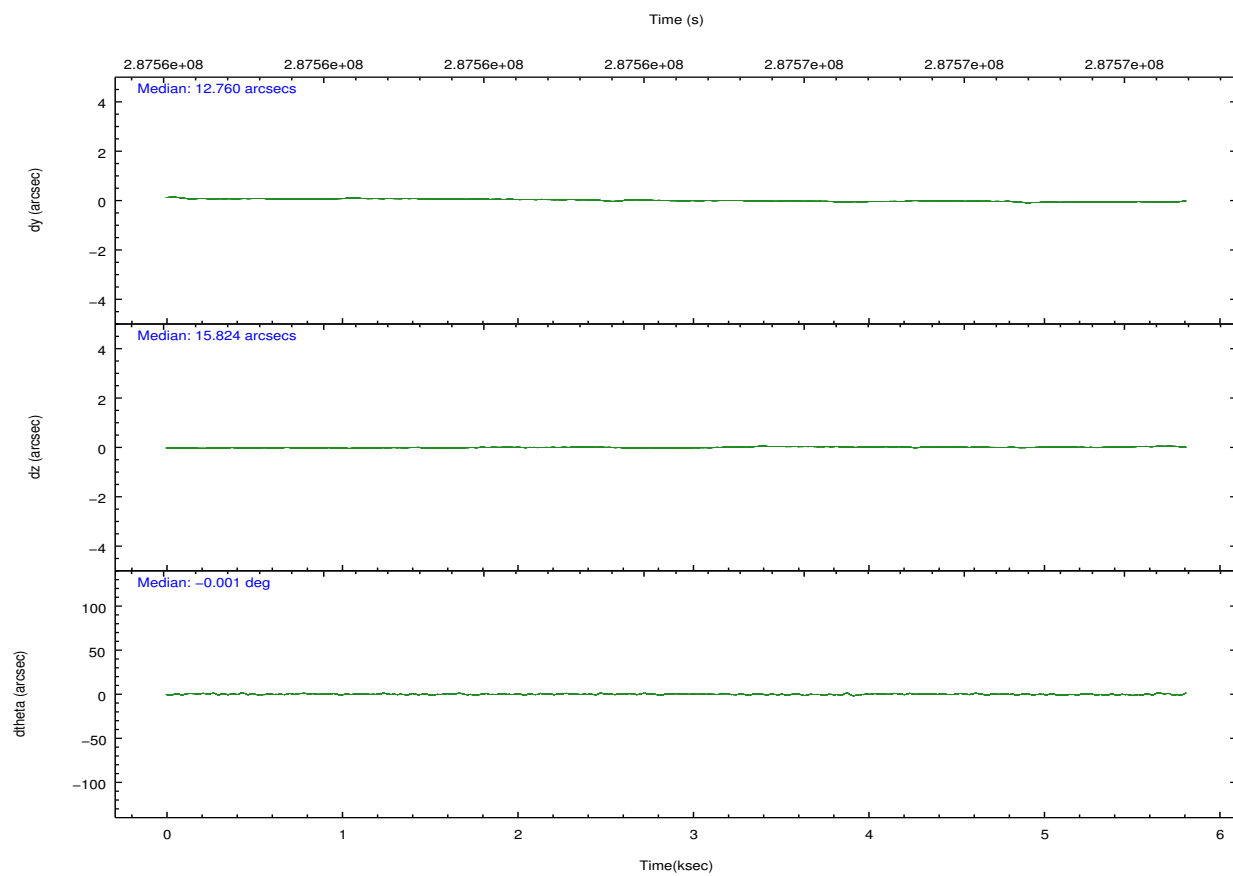
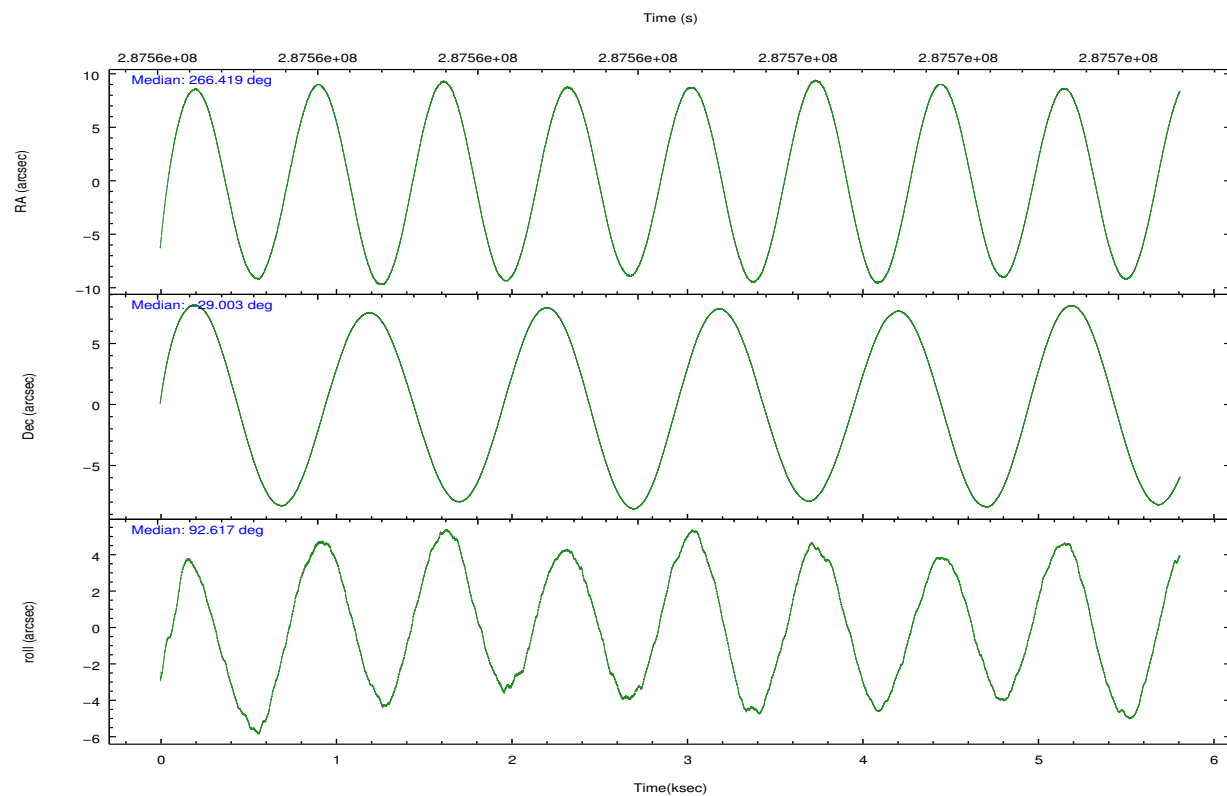
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7723	5687	6596	10338	3117
	14%	11%	12%	16%	6%
grade 1 events	69	55	59	233	29
	0%	0%	0%	0%	0%
grade 2 events	2334	1970	2025	2927	1407
	4%	4%	3%	4%	2%
grade 3 events	910	786	799	1215	616
	1%	1%	1%	1%	1%
grade 4 events	832	776	817	1230	567
	1%	1%	1%	2%	1%
grade 5 events	2006	2101	1905	2393	2132
	3%	4%	3%	3%	4%
grade 6 events	1560	1527	1422	2272	1200
	2%	3%	2%	3%	2%
grade 7 events	37370	36023	40387	40889	40938
	70%	73%	74%	66%	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	266.435498	266.4184611211226	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.026436	-29.00331761846131	CCD I3 on	Y	Y
[deg] Pointing Roll	92.423449	92.62386219836417	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)	287563010.184000	287561815.67411	CCD S5 on	N	N
Observation start date	2007-02-11T06:35:45	2007-02-11T06:16:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	287568110.184000	287568990.16195	On-chip summing requested	N	N
Observation end date	2007-02-11T08:00:45	2007-02-11T08:16:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



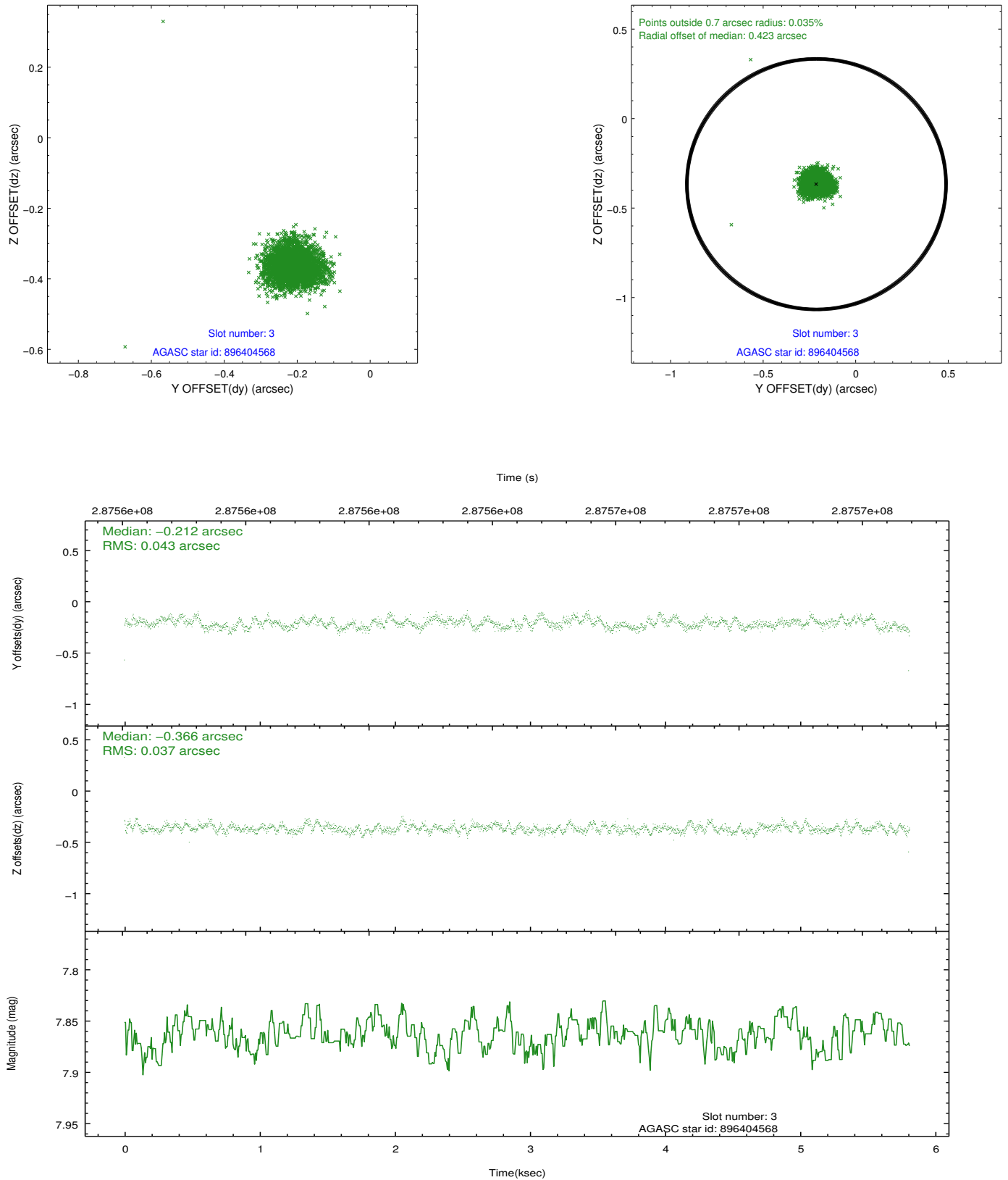


Slot Statistics

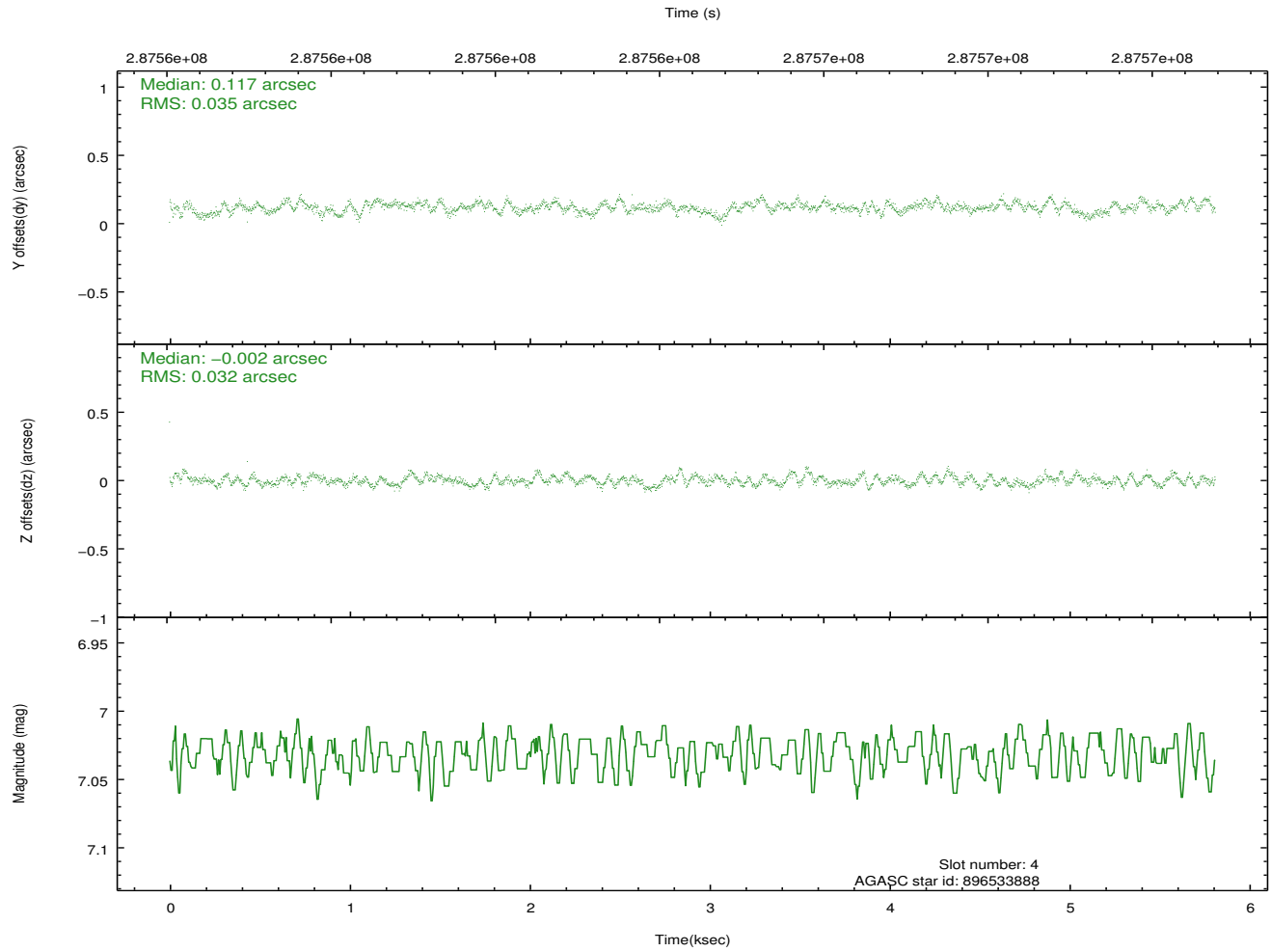
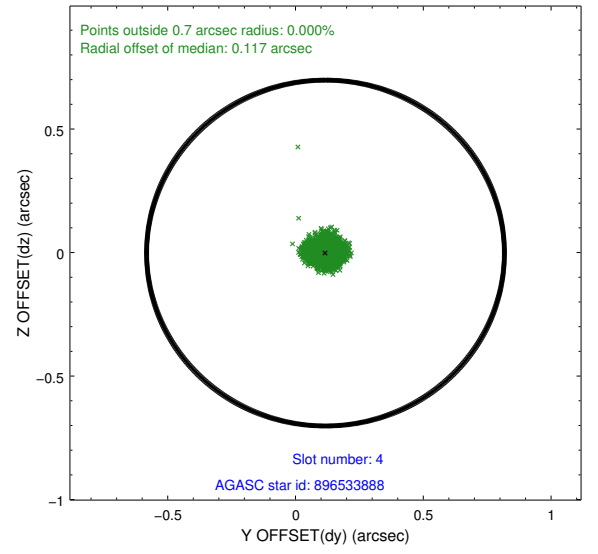
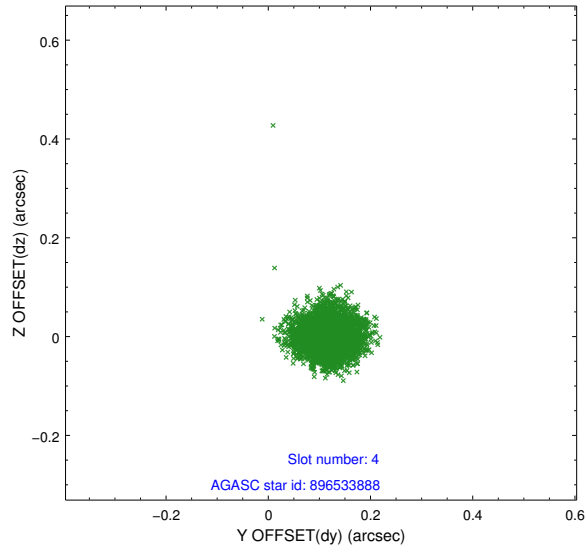
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1417	-0.009	-0.061	0.008	0.015	0.000000	0.000000	926.73	-839.52
1	FID	ACIS-I-4	7.17	1418	0.168	0.070	0.008	0.013	0.000000	0.000000	2147.54	1059.89
2	FID	ACIS-I-5	7.22	1418	-0.257	0.061	0.007	0.012	0.000000	0.000000	-1820.18	1058.95
3	GUIDE	896404568	7.86	2835	-0.212	-0.366	0.058	0.091	265.687293	-28.431080	2233.86	2276.47
4	GUIDE	896533888	7.03	2836	0.117	-0.002	0.051	0.077	266.666434	-29.392757	-1347.77	-667.06
5	GUIDE	896541360	7.72	2835	0.202	0.010	0.062	0.103	266.684478	-29.453744	-1570.78	-714.91
6	GUIDE	896541576	8.18	2836	0.010	0.115	0.051	0.083	267.051055	-28.762912	860.53	-1980.58
7	GUIDE	896538208	7.97	2835	-0.119	0.243	0.051	0.080	267.176969	-28.671626	1170.51	-2393.73

2.4 Star Slots

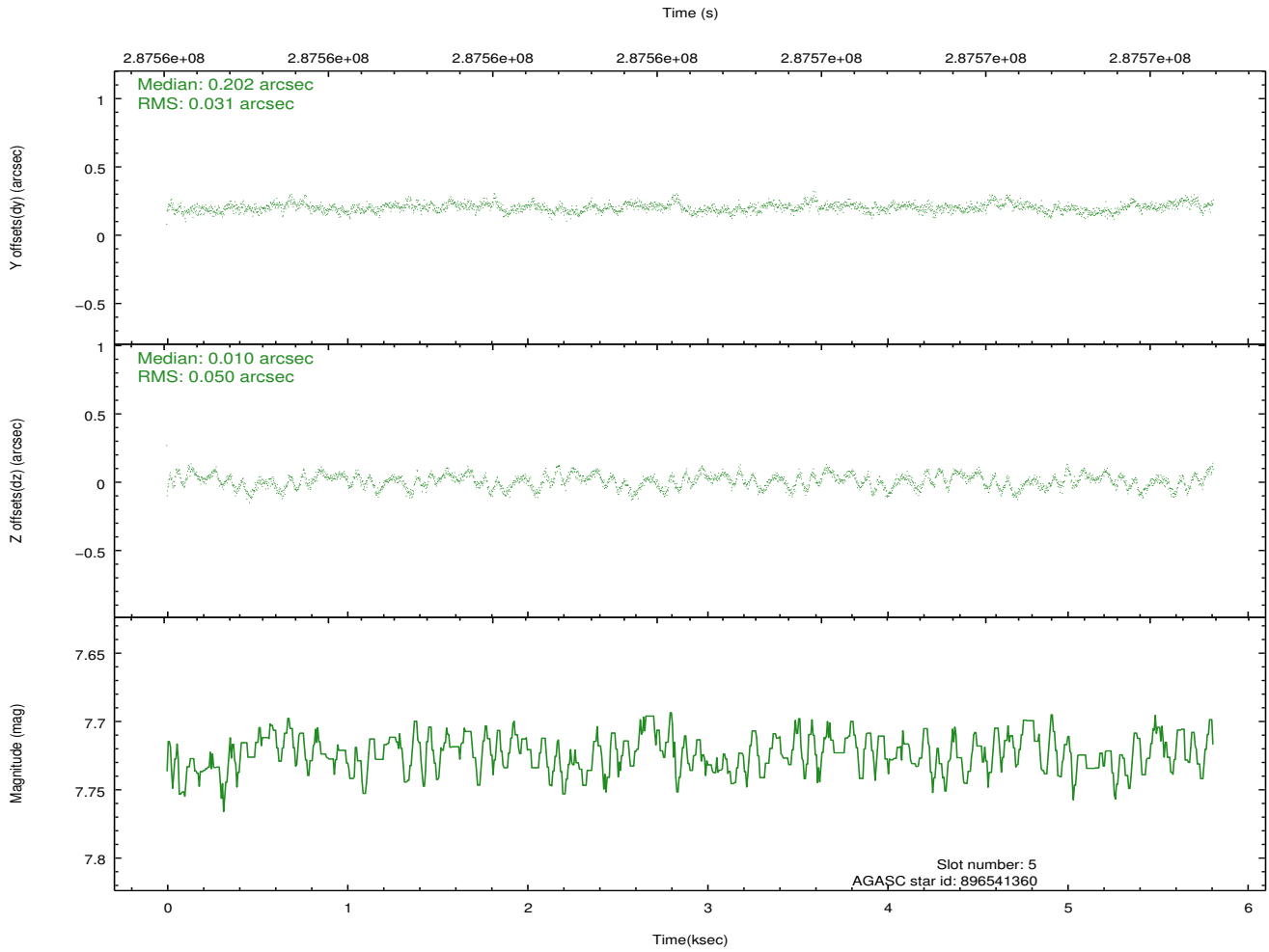
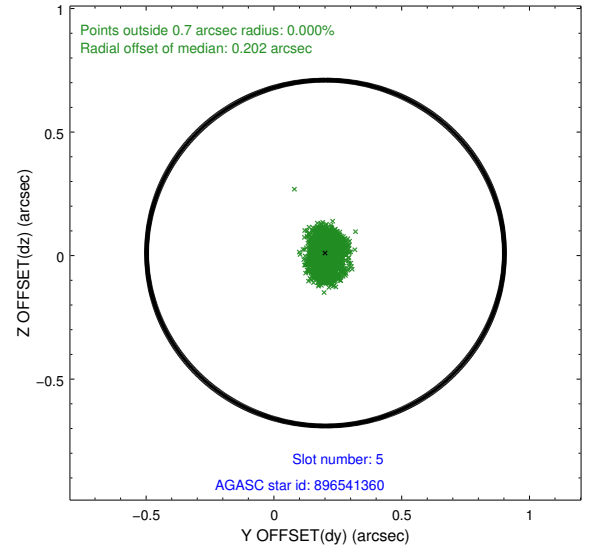
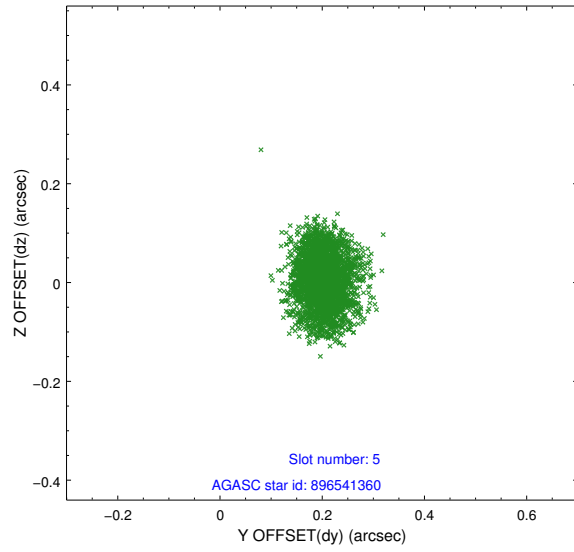
2.4.1 Slot 3



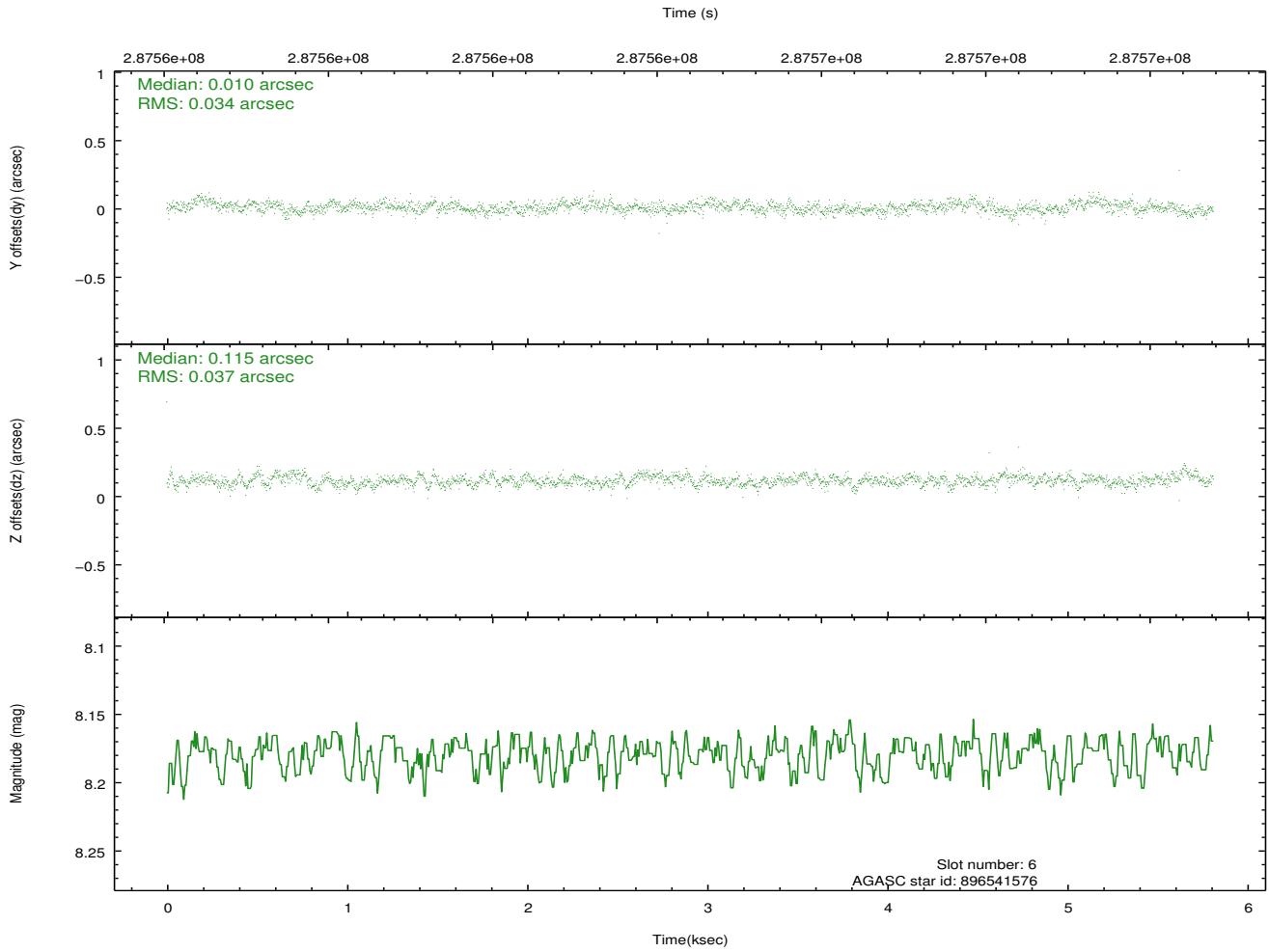
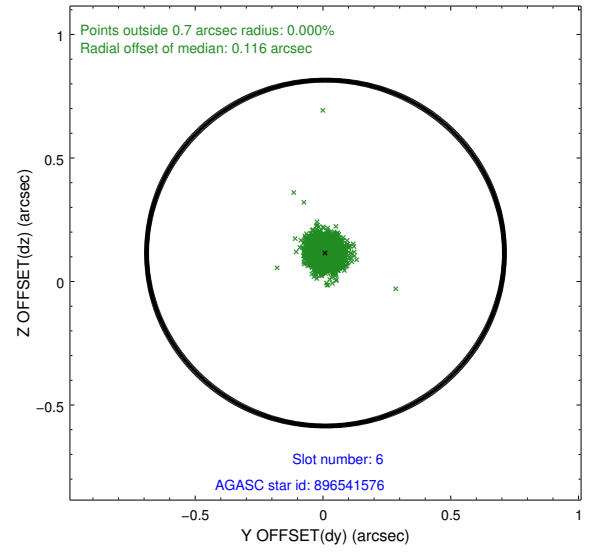
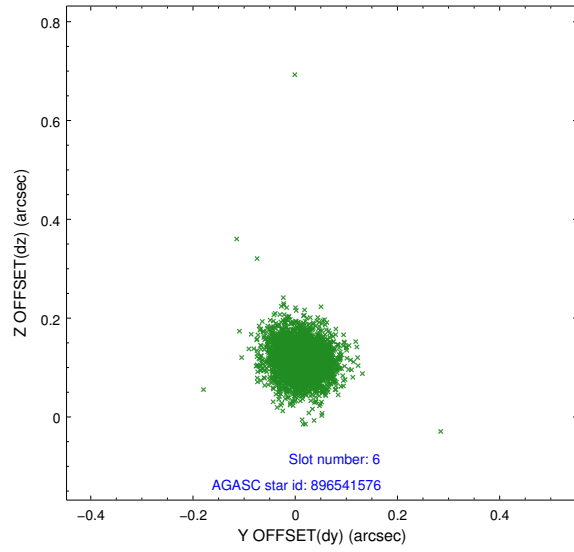
2.4.2 Slot 4



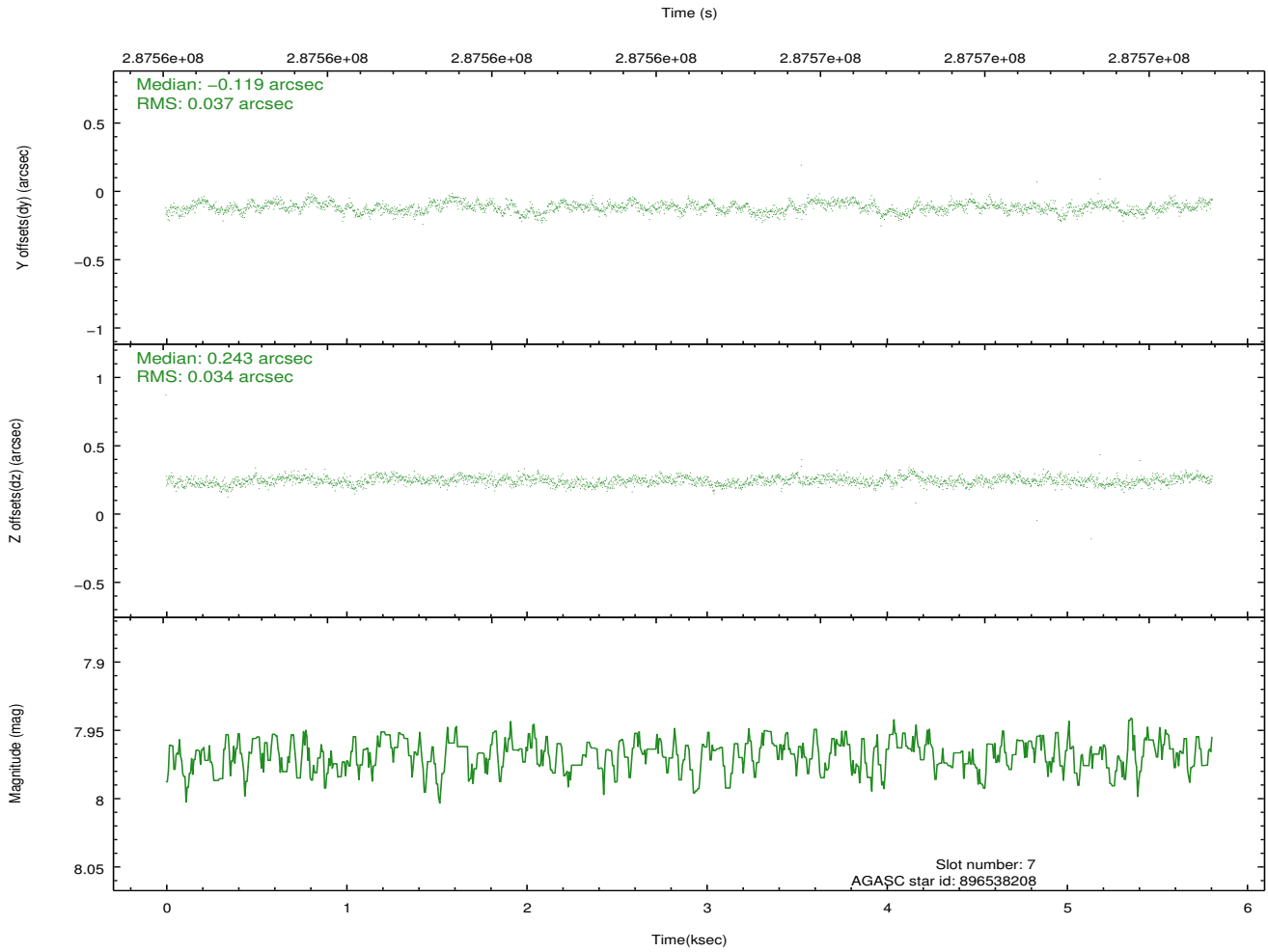
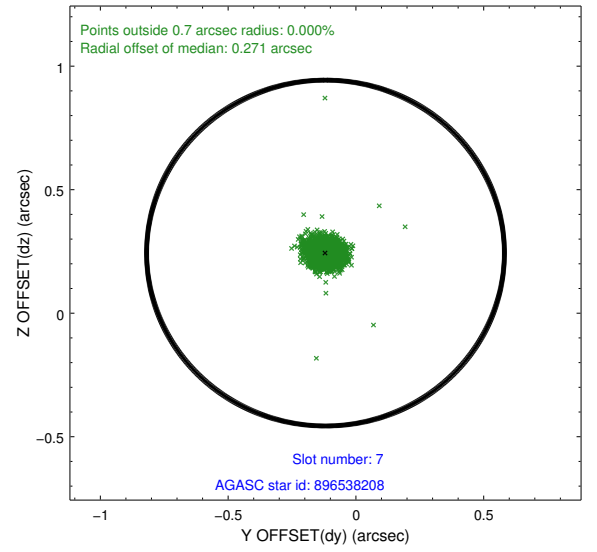
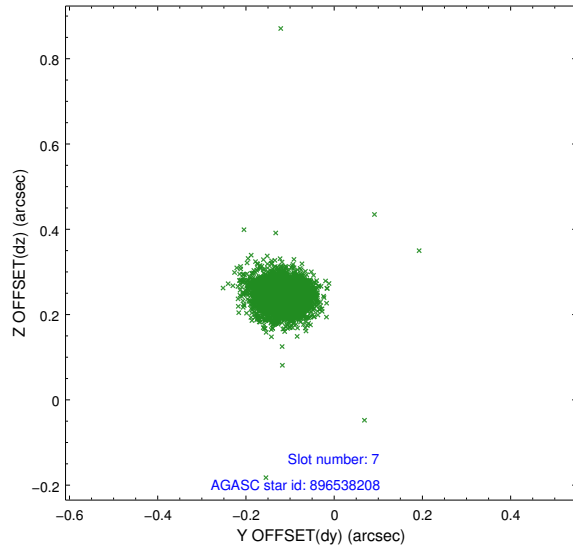
2.4.3 Slot 5



2.4.4 Slot 6

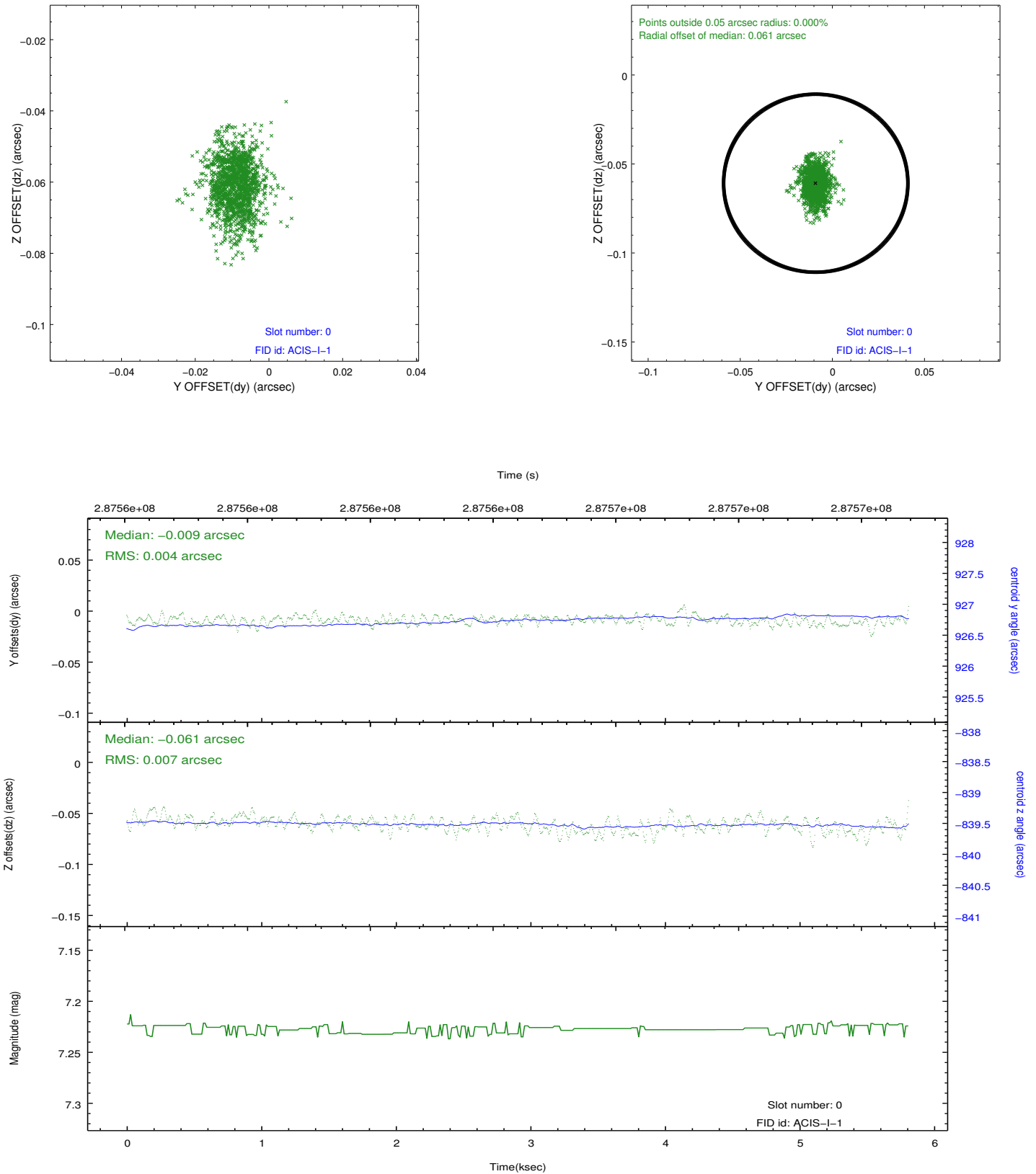


2.4.5 Slot 7

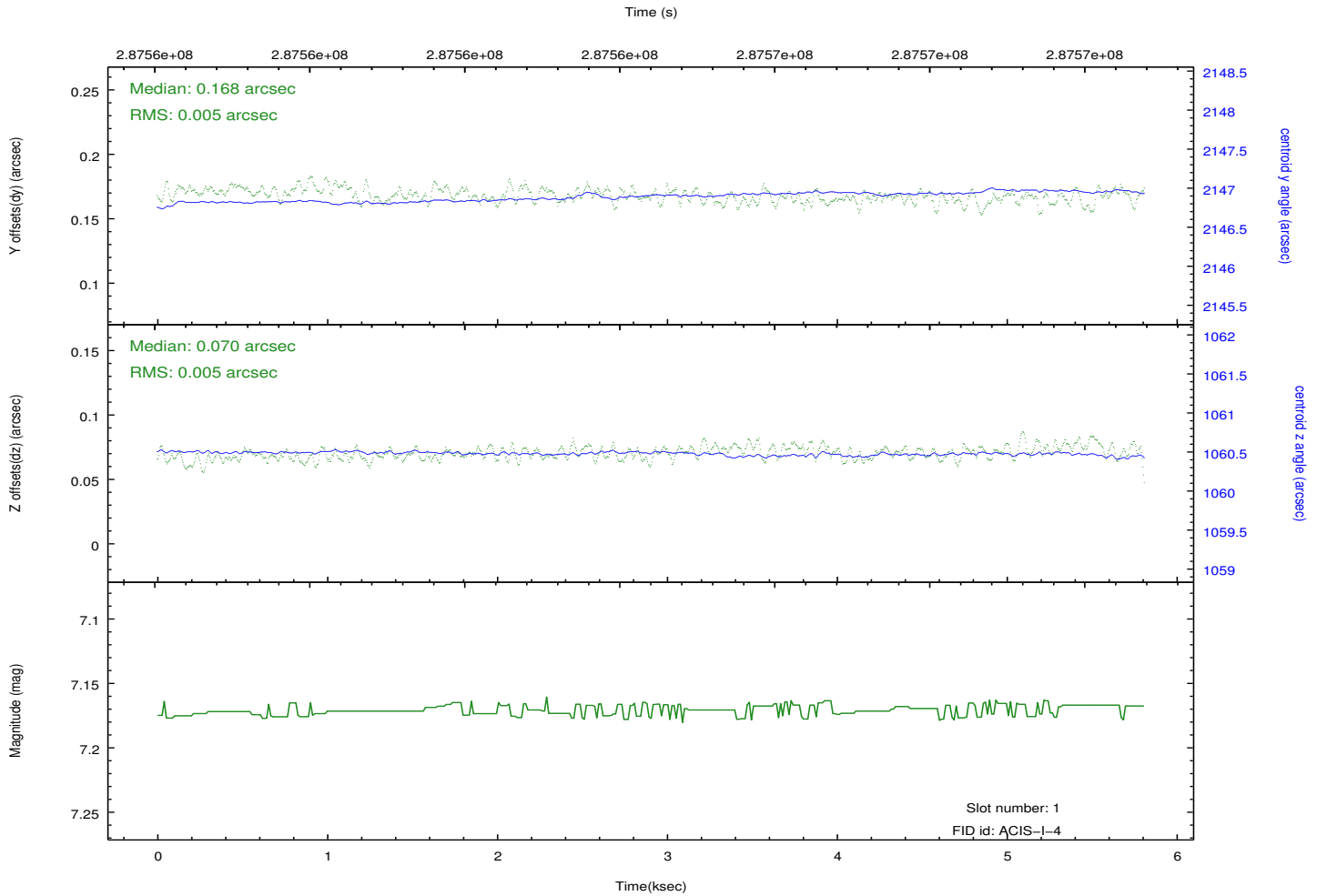
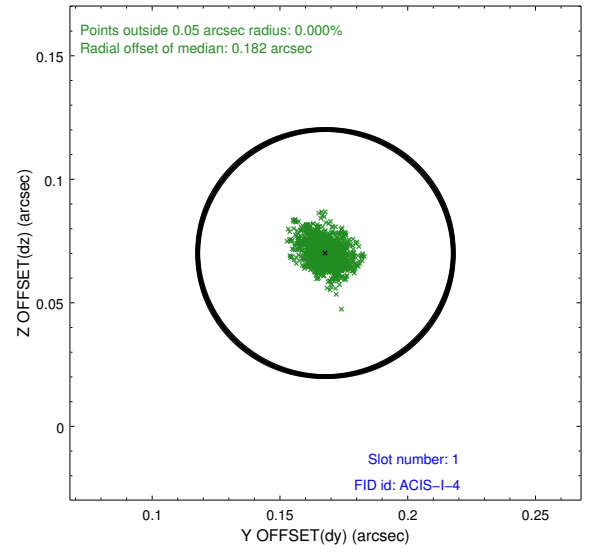
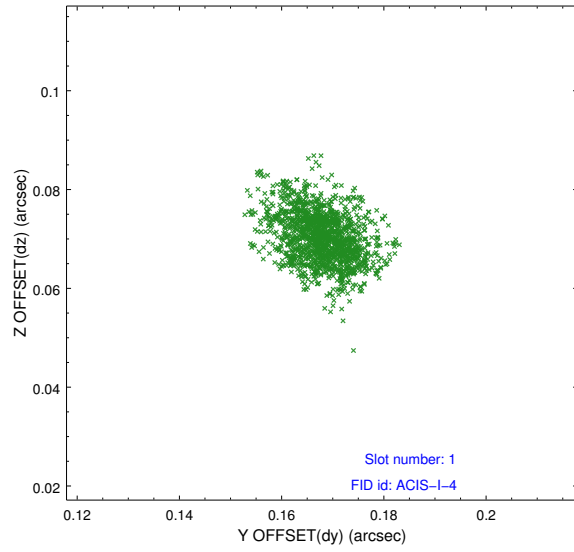


2.5 FID Slots

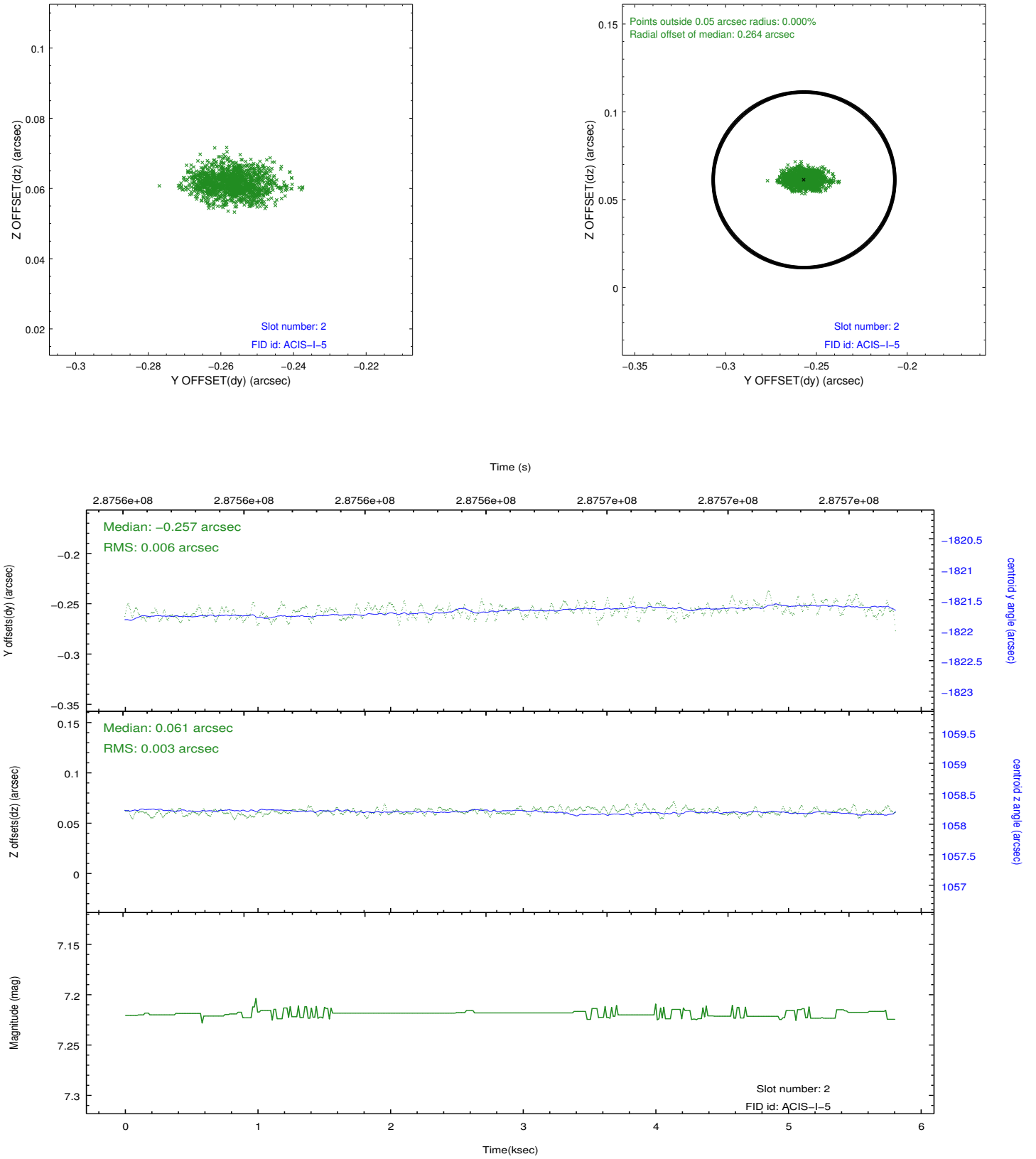
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14600003

A.2 Comments