

V&V Reference Report

L2 ASCDS Version : 10.6.4

Observation 20606 - L2 Version 1
Chandra X-Ray Center

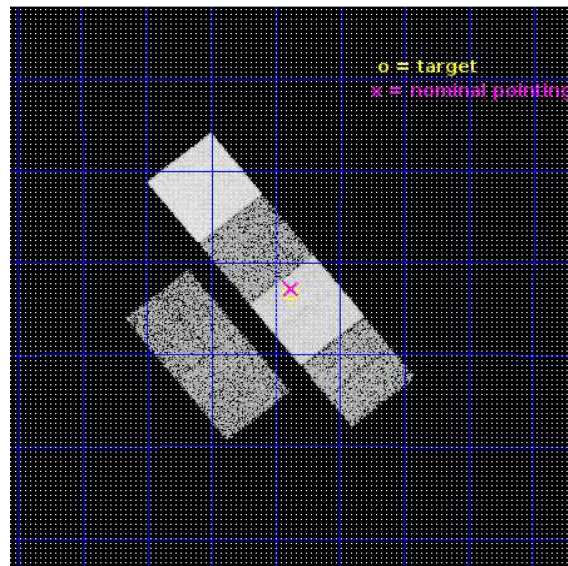
L2 Processing Date : Sep 1 2018

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1 Front

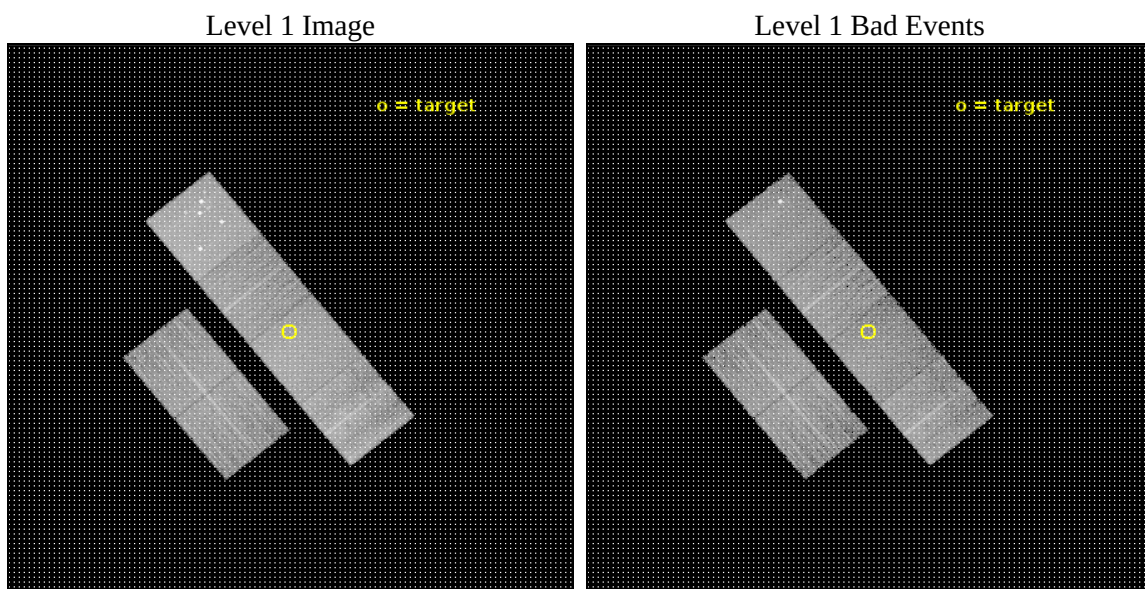
seq_num	703607	Sequence number
obs_id	20606	Observation id
title	Exploratory X-ray Monitoring of z>4 Radio-Quiet Quasars	Proposal t
observer	Ohad Shemmer	Principal investigator
object	Q 0000-263	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.845417	Observer's specified target RA [deg]
dec_targ	-26.054667	Observer's specified target Dec [deg]
ra_nom	0.8447732517958	Nominal RA [deg]
dec_nom	-26.047067831037	Nominal Dec [deg]
roll_nom	51.137878794055	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9952.0001482964	Sum of GTIs [s]
livetime	9825.9819300436	Livetime [s]
ontime2	9952.0001482964	Sum of GTIs [s]
ontime3	9951.9656839371	Sum of GTIs [s]
ontime5	9952.0001482964	Sum of GTIs [s]
ontime6	9952.0001482964	Sum of GTIs [s]
ontime7	9952.0001482964	Sum of GTIs [s]
ontime8	9951.9246439934	Sum of GTIs [s]
l2events	124930	Number of level 2 events



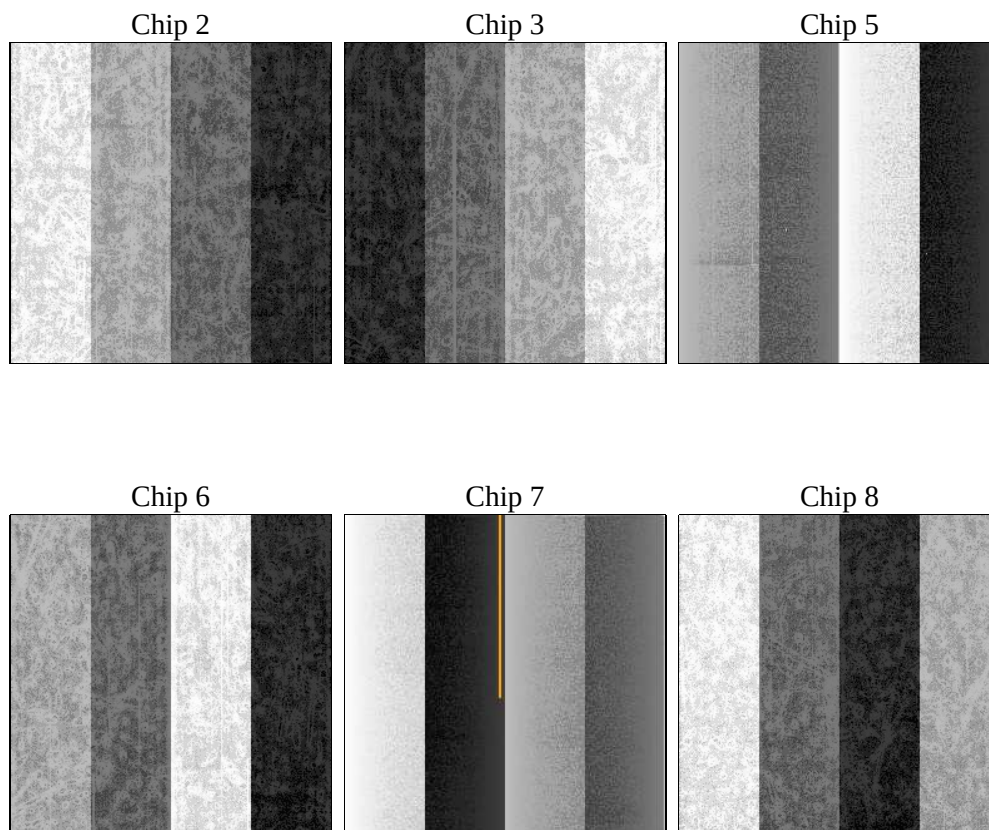
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4	Processing system revision	ontime	9952.0001482964	Sum of GTIs [s]
caldbver	4.7.8	 	ontime2	9952.0001482964	Sum of GTIs [s]
date	2018-09-02T01:11:47	Date and time of file creation	ontime3	9951.9656839371	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9952.0001482964	Sum of GTIs [s]
			ontime6	9952.0001482964	Sum of GTIs [s]
			ontime7	9952.0001482964	Sum of GTIs [s]
			ontime8	9951.9246439934	Sum of GTIs [s]
			l1events	550971	Number of level 1 events

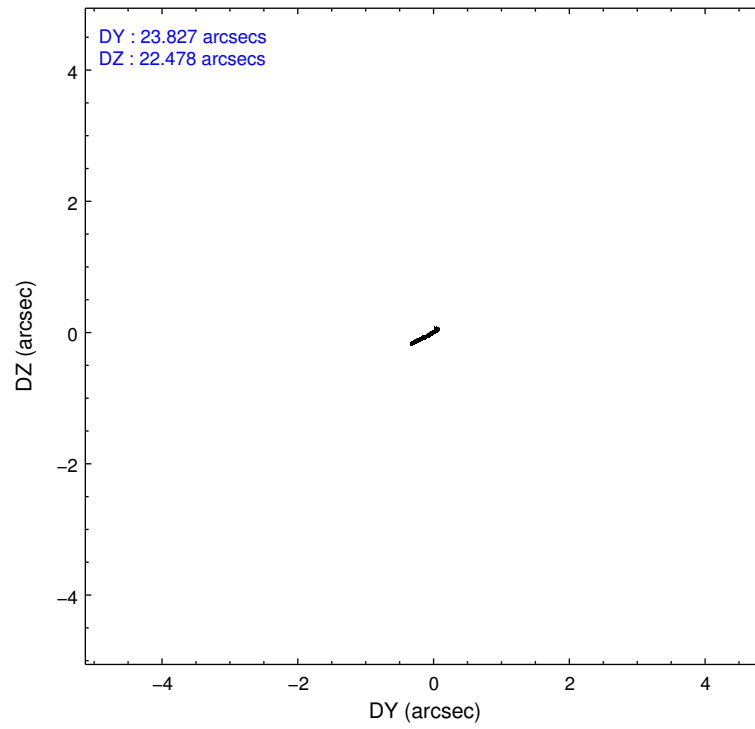
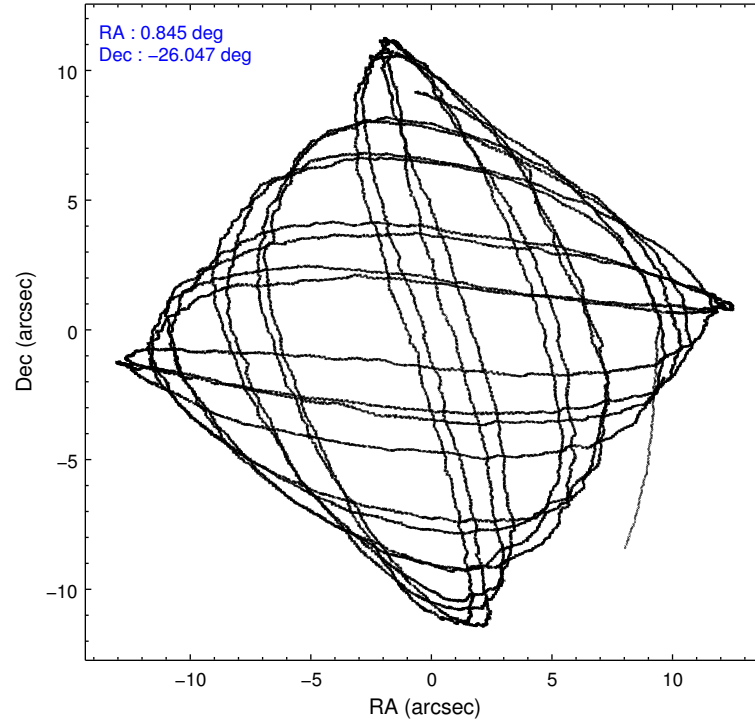
2.1.4 Events

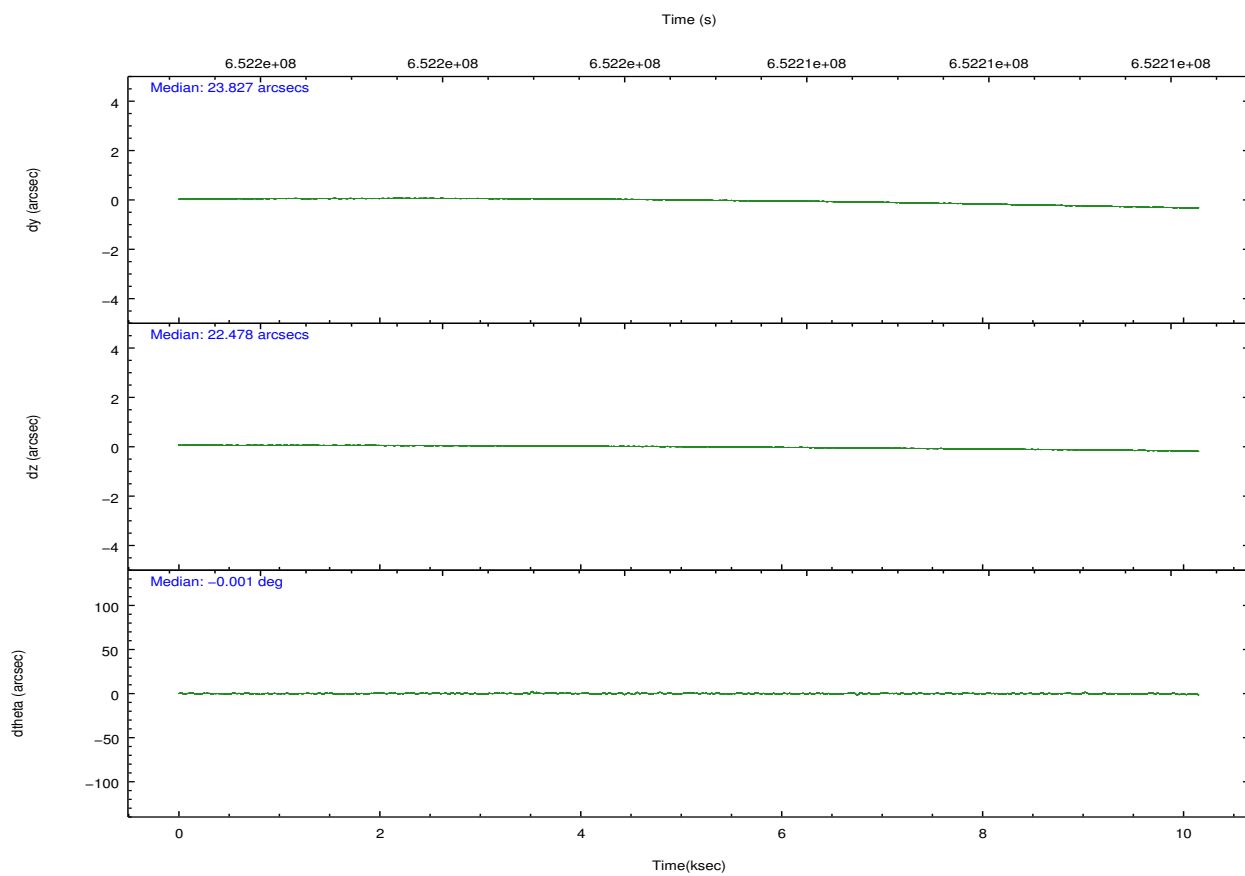
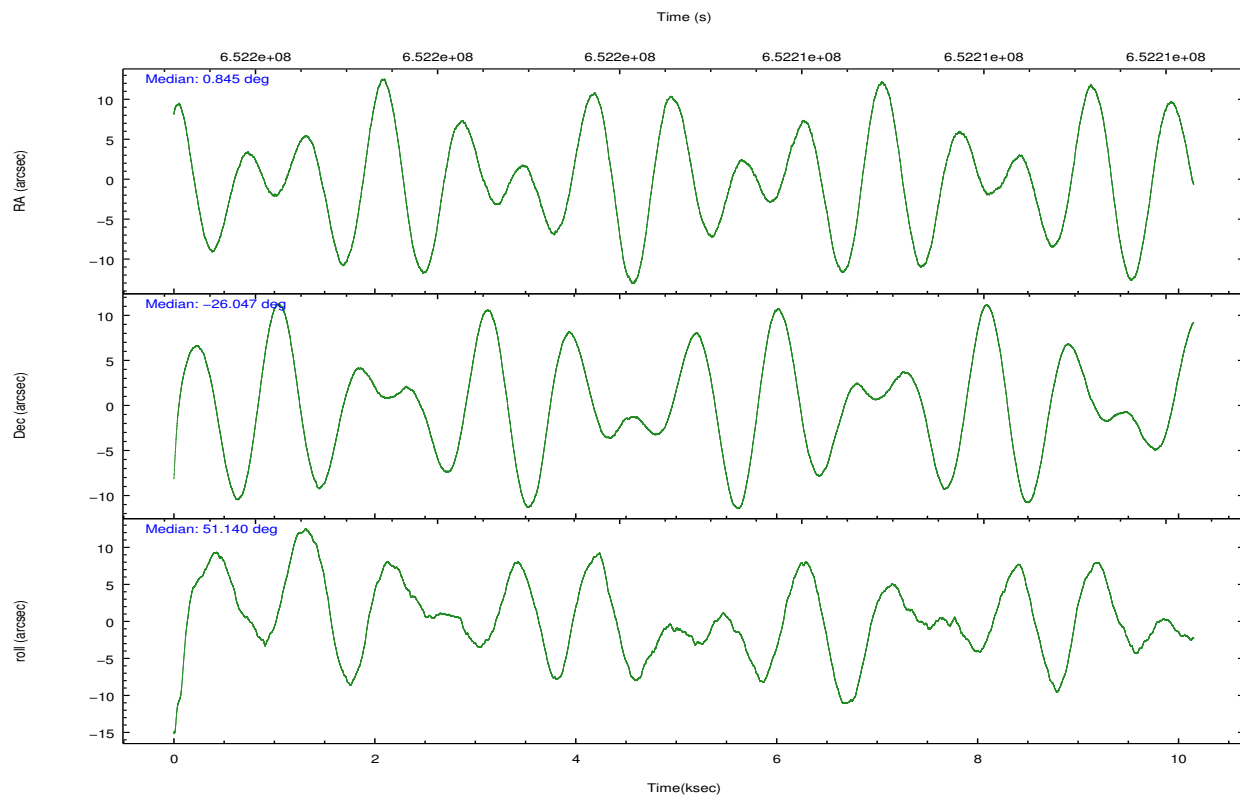
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	76019	72663	132336	76602	96951	96400	grade 0 events	2864	2656	12684	2797	3391	7230
rejected events	67951	64983	65148	68157	55237	70319		3%	3%	9%	3%	3%	7%
rejected %	89%	89%	49%	88%	56%	72%	grade 1 events	43	43	286	45	176	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	2016	1726	19239	1993	8938	6422
								2%	2%	14%	2%	9%	6%
							grade 3 events	795	801	1776	807	3299	2705
								1%	1%	1%	1%	3%	2%
							grade 4 events	800	865	1619	814	3225	2524
								1%	1%	1%	1%	3%	2%
							grade 5 events	3033	3570	8434	3432	9538	5249
								3%	4%	6%	4%	9%	5%
							grade 6 events	1597	1634	31903	2035	22871	7202
								2%	2%	24%	2%	23%	7%
							grade 7 events	64871	61368	56395	64679	45513	64987
								85%	84%	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-235678	ACIS-235678	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	0.840455	0.8447732517958002	CCD I2 on	O2	Y
[deg] Pointing Dec	-26.074254	-26.04706783103708	CCD I3 on	O3	Y
[deg] Pointing Roll	50.979363	51.13787879405516	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	652199774.184000	652198266.62049	CCD S5 on	N	N
Observation start date	2018-09-01T14:35:05	2018-09-01T14:11:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	652209774.184000	652210742.92123	On-chip summing requested	N	N
Observation end date	2018-09-01T17:21:45	2018-09-01T17:39:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



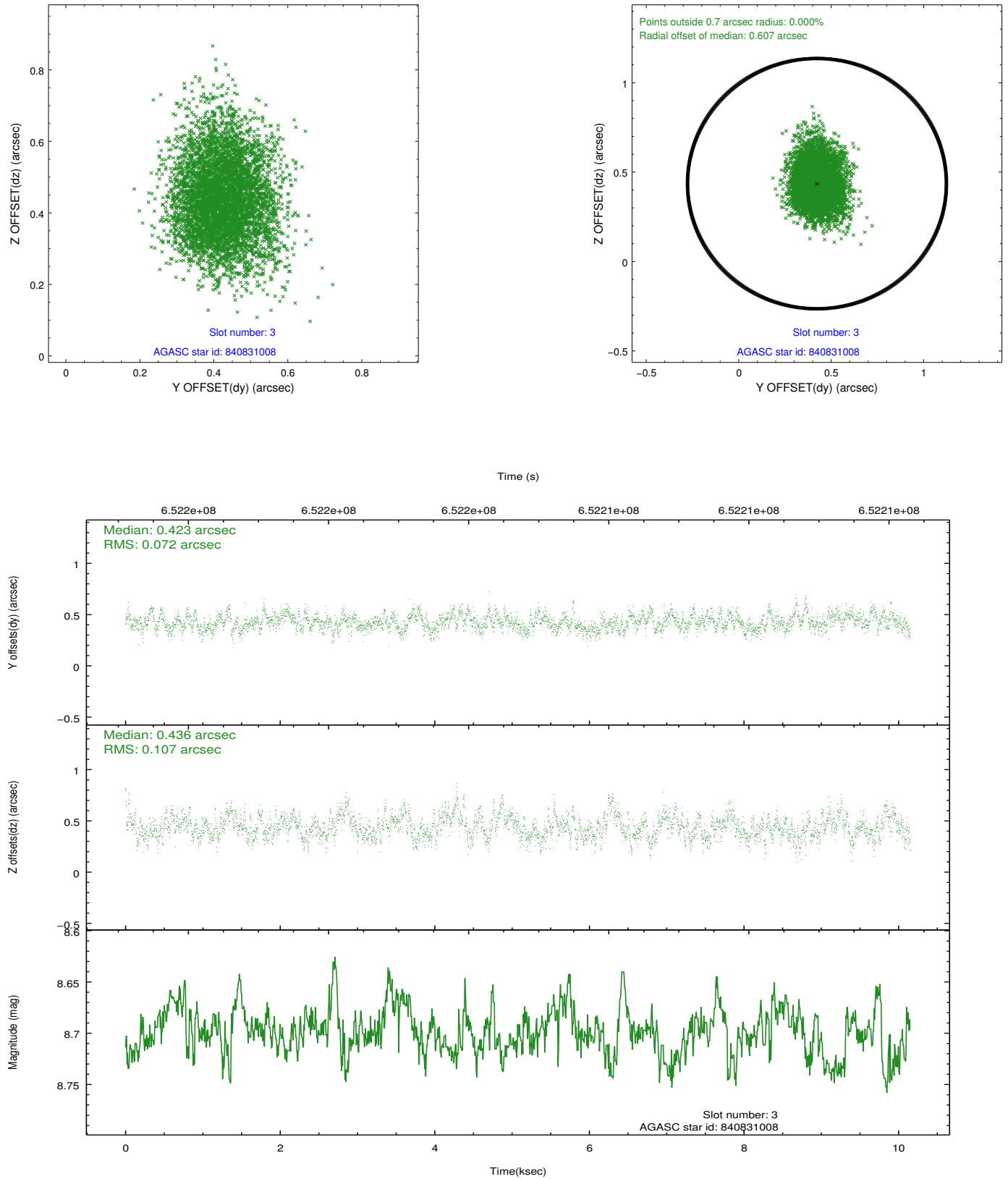


Slot Statistics

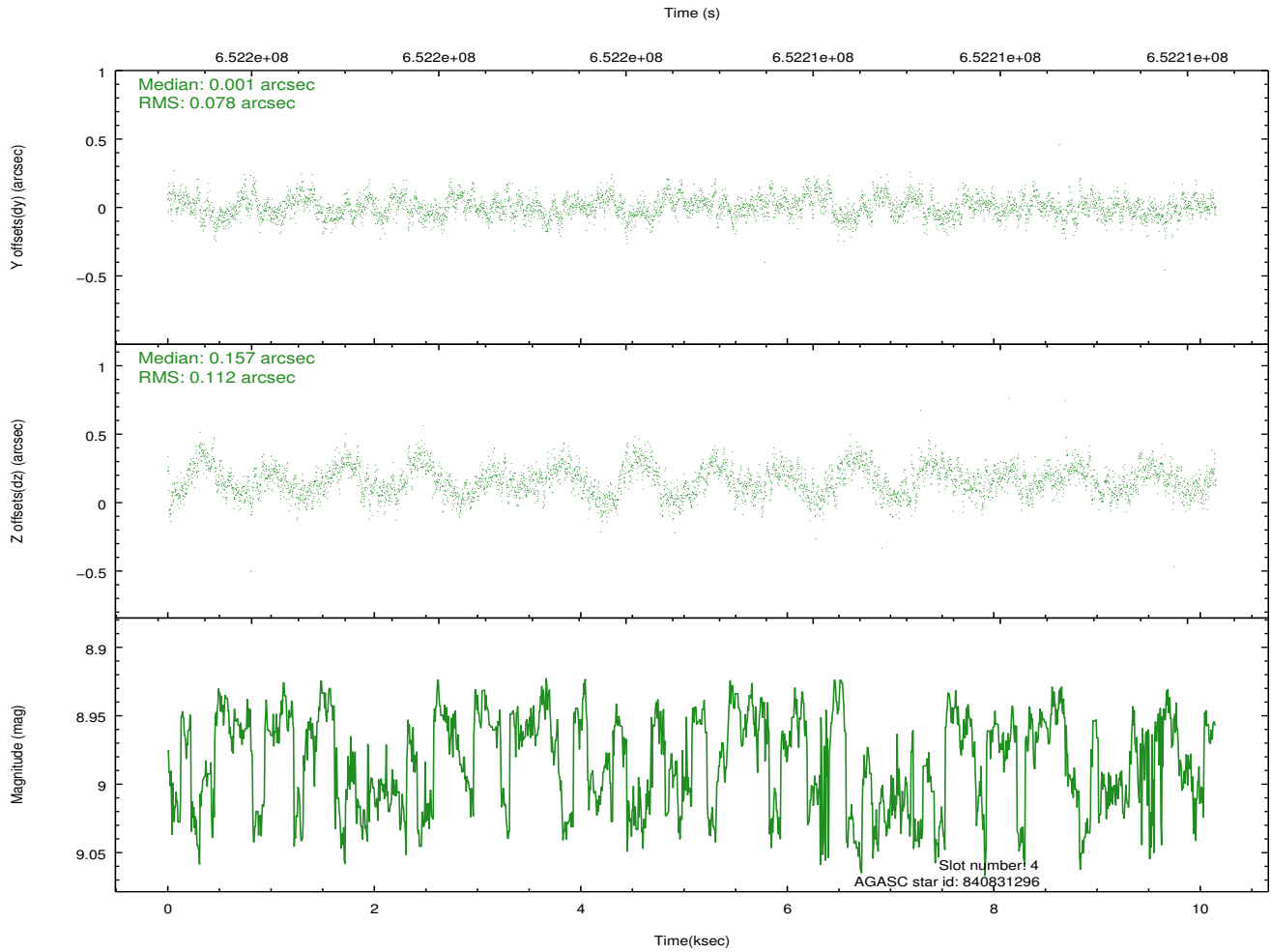
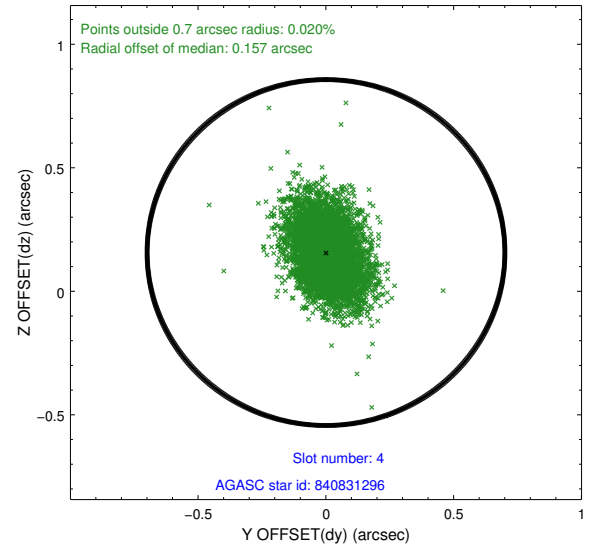
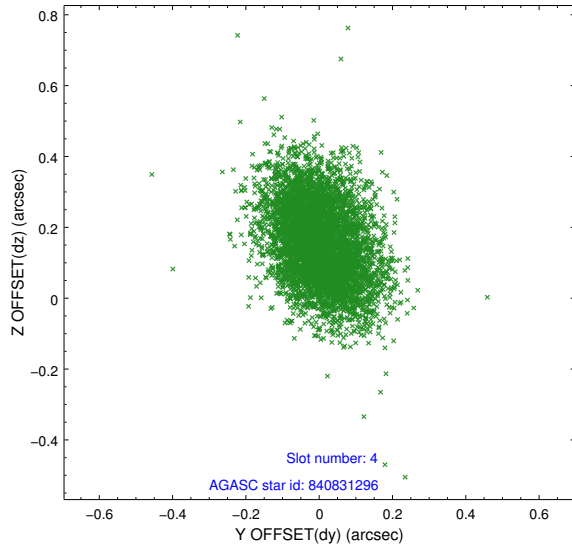
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.02	2476	1.000	-0.391	-0.268	0.006	0.010	0.000000	0.000000	-777.47	-1744
1	FID		ACIS-S-4	7.13	2476	1.000	0.420	0.226	0.007	0.011	0.000000	0.000000	2136.48	164
2	FID		ACIS-S-6	7.30	2476	1.000	-0.057	0.049	0.007	0.012	0.000000	0.000000	385.64	801
3	GUIDE	used	840831008	8.70	4948	1.000	0.423	0.436	0.135	0.225	0.855542	-26.415181	-922.49	-810
4	GUIDE	used	840831296	8.98	4947	1.000	0.001	0.157	0.142	0.237	1.032971	-25.892665	900.40	-75
5	GUIDE	used	840832352	8.20	4949	1.000	-0.622	-0.536	0.132	0.208	0.775324	-25.261110	2139.66	2007
6	GUIDE	used	840833168	9.24	4944	1.000	0.252	0.116	0.159	0.258	0.400325	-26.469934	-2001.08	203
7	GUIDE	used	840833360	9.16	4945	1.000	-0.066	-0.167	0.267	0.407	0.455843	-25.798534	-22.17	1590

2.4 Star Slots

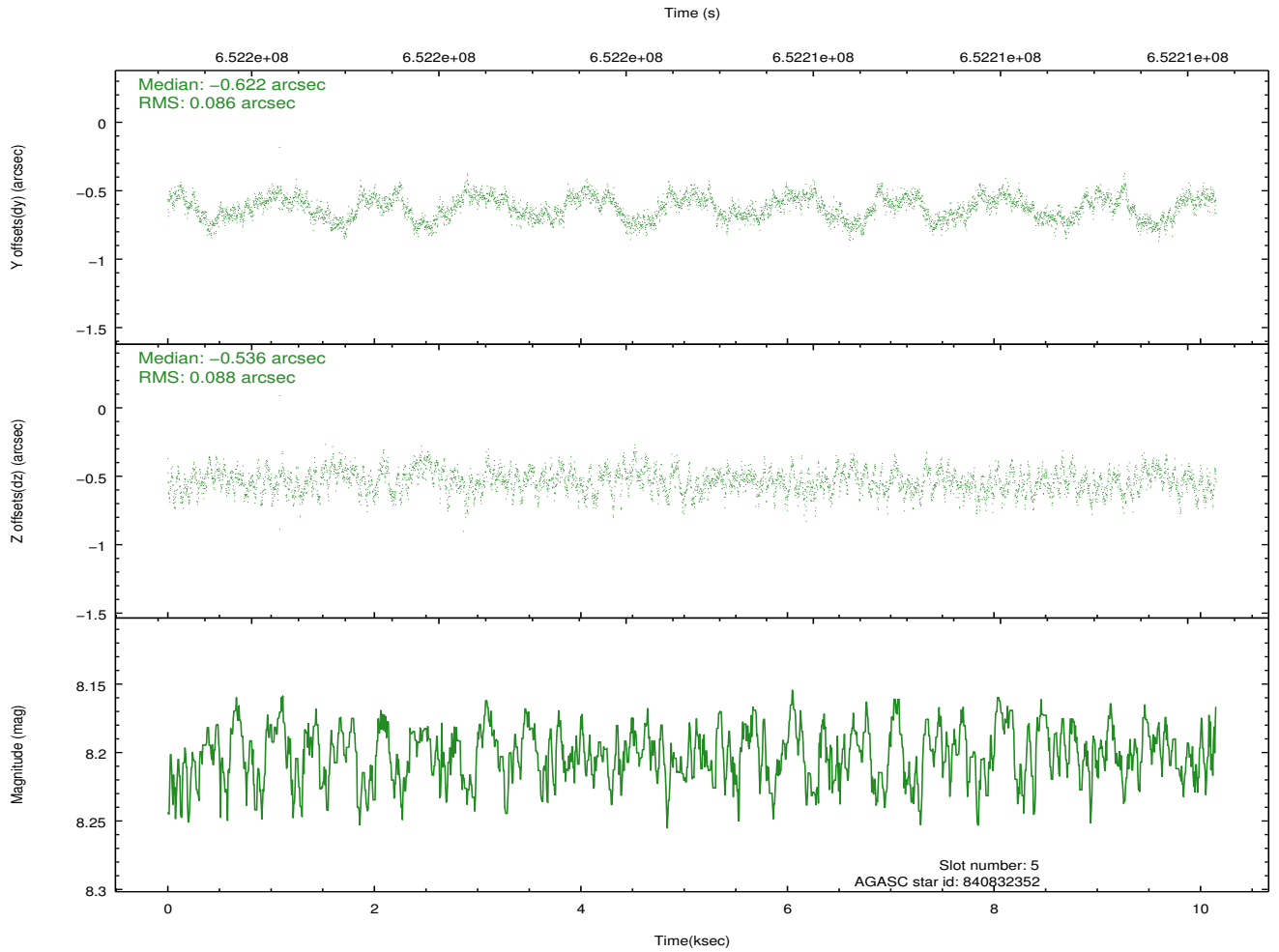
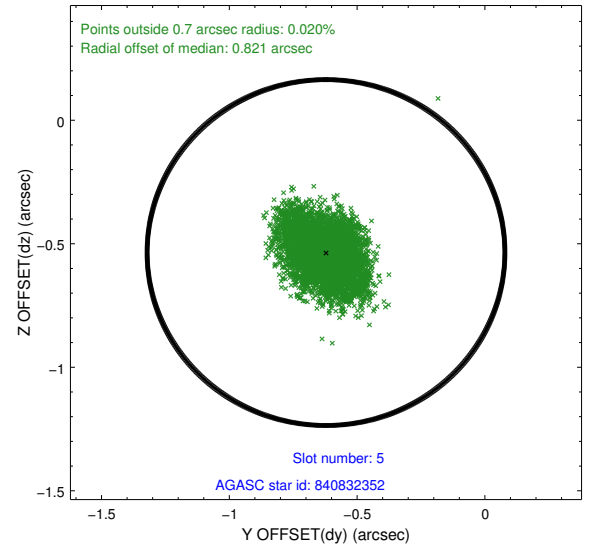
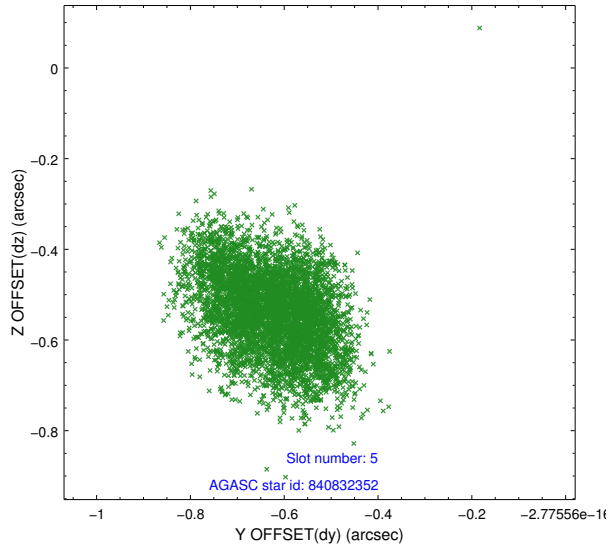
2.4.1 Slot 3



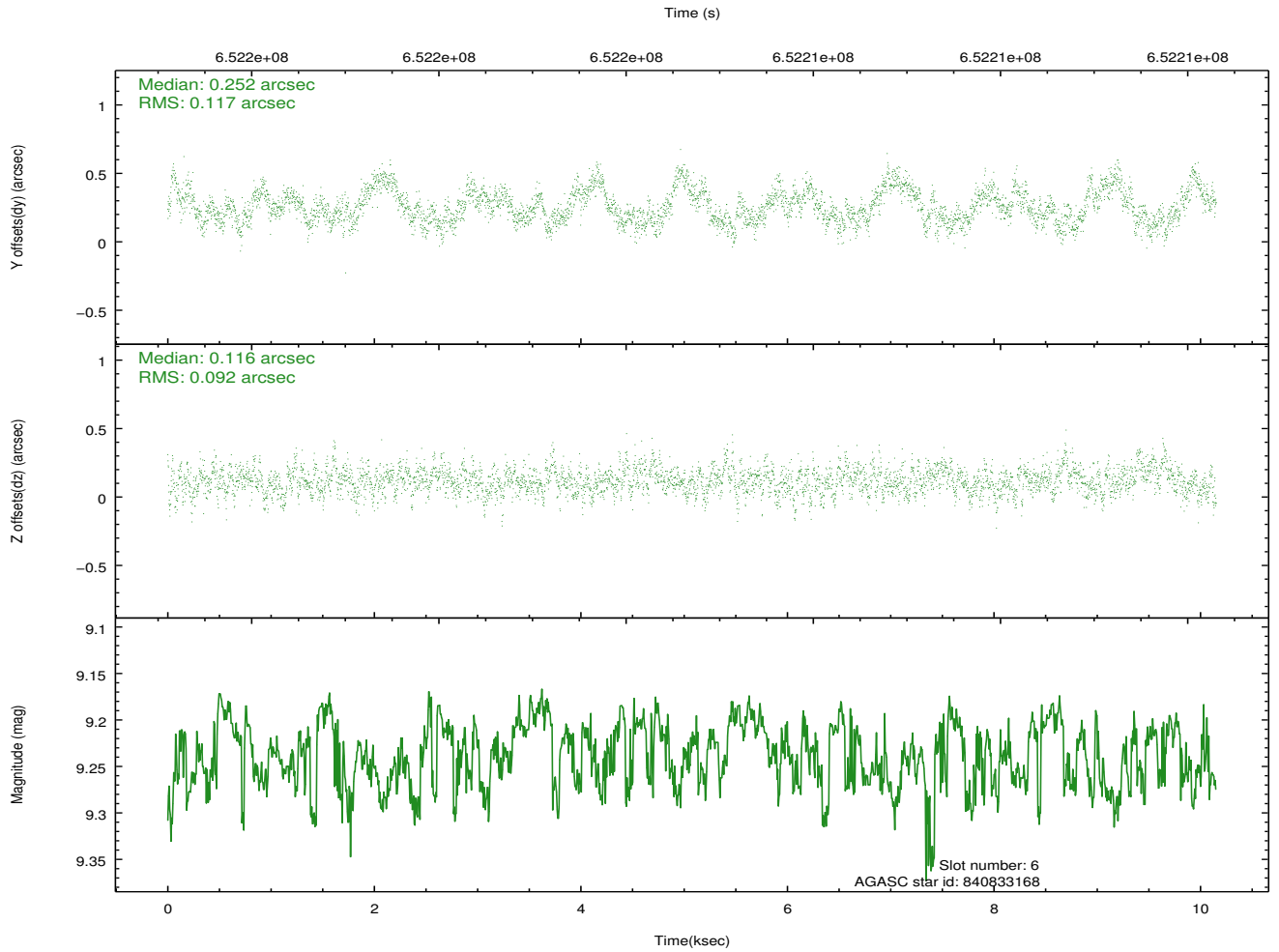
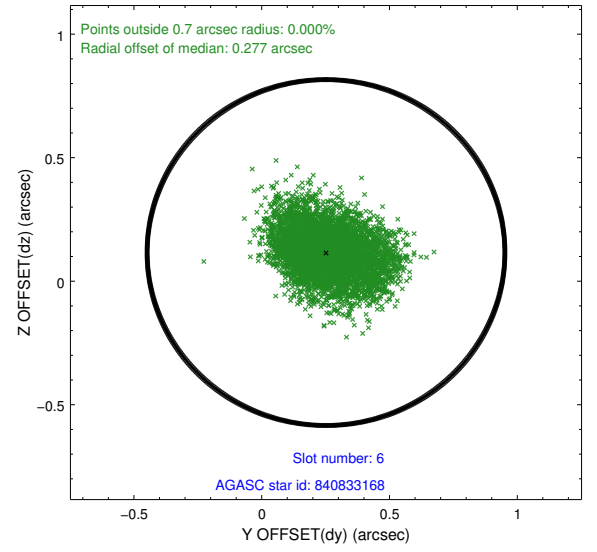
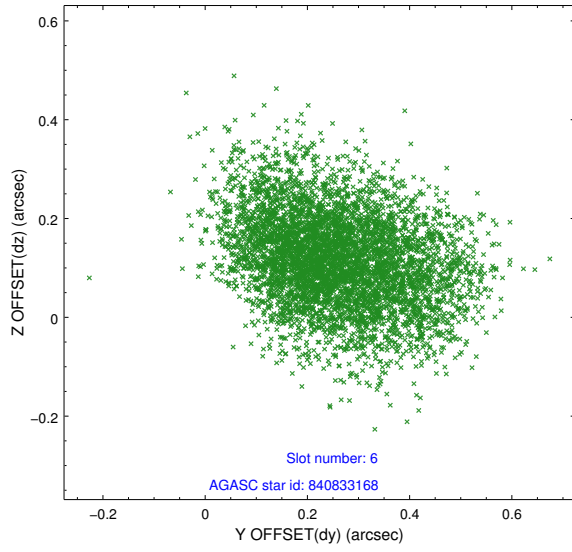
2.4.2 Slot 4



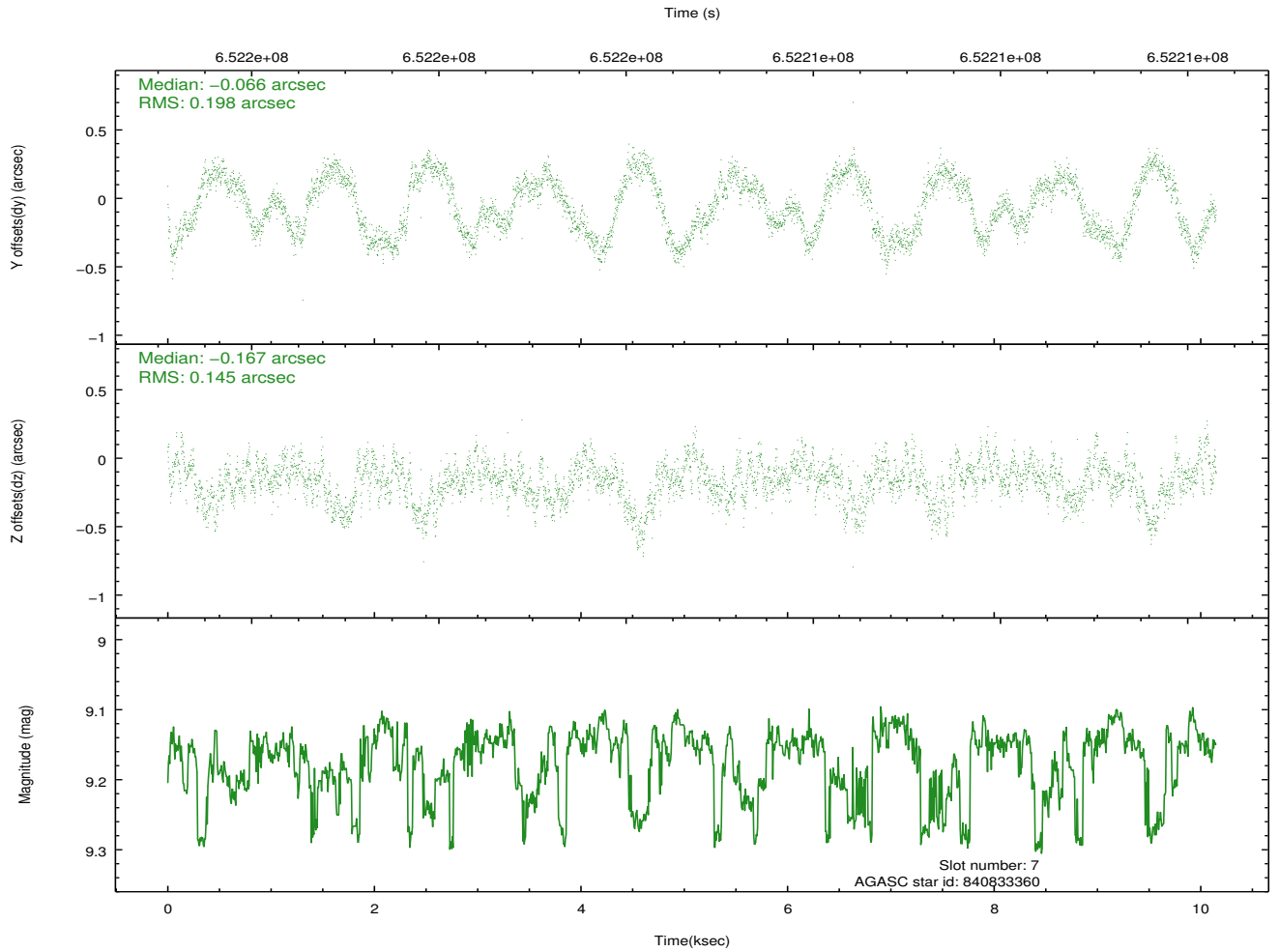
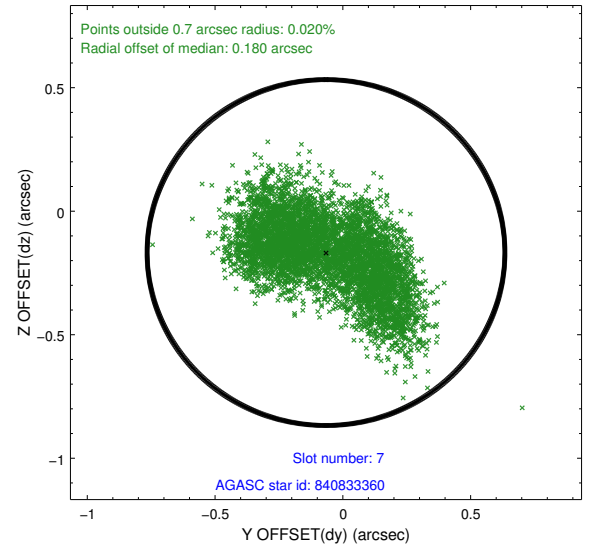
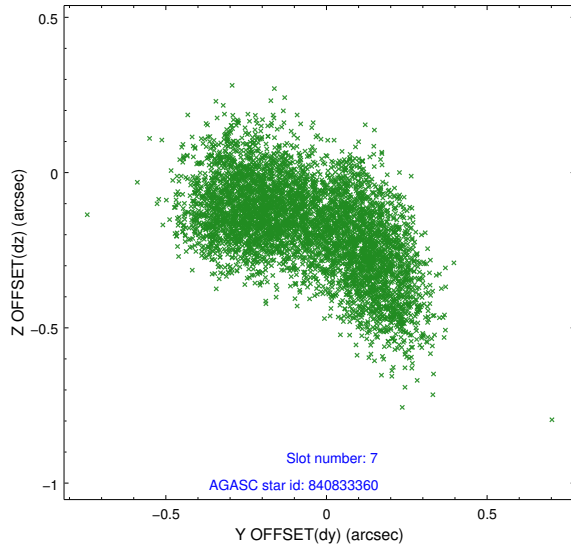
2.4.3 Slot 5



2.4.4 Slot 6

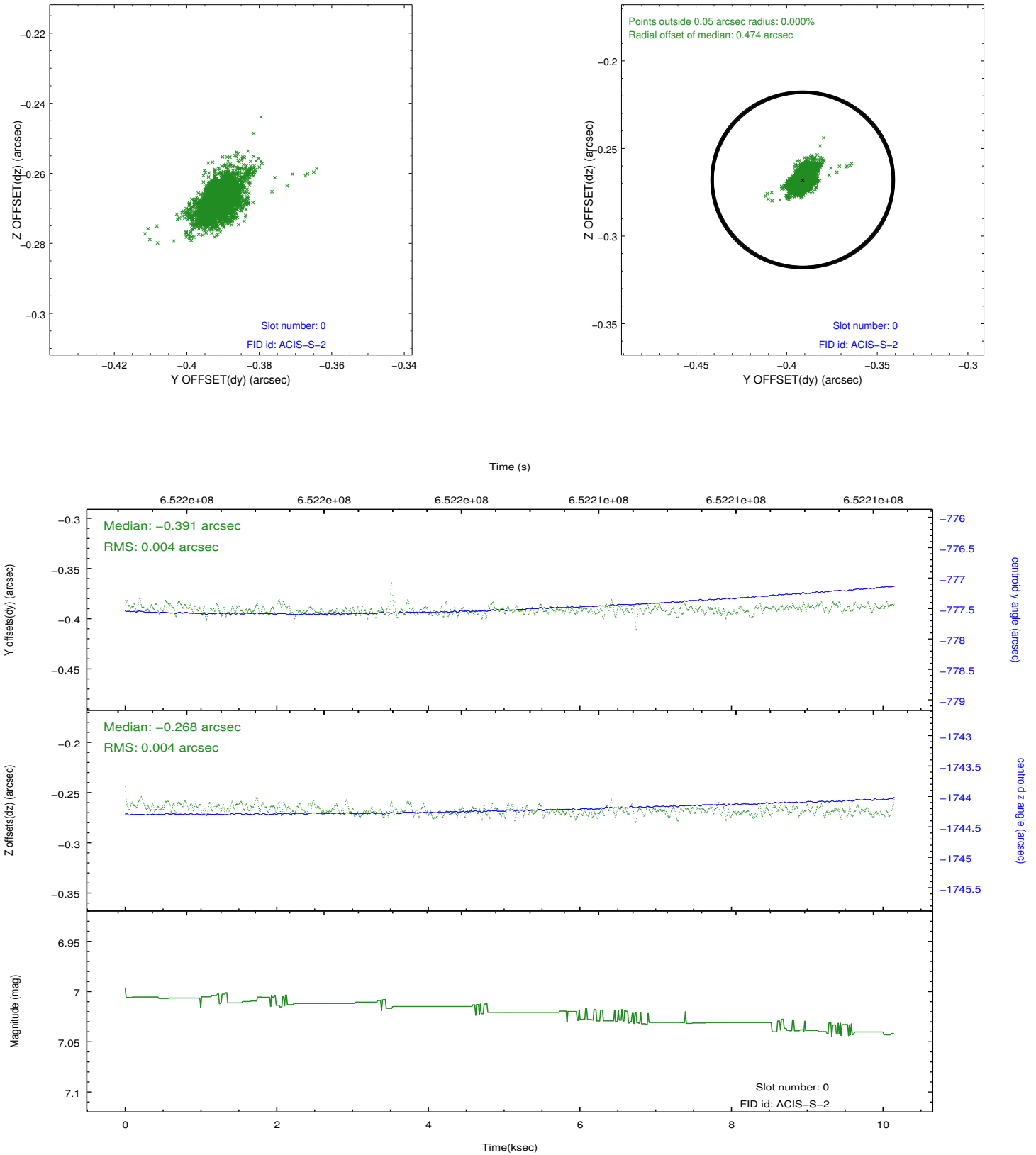


2.4.5 Slot 7

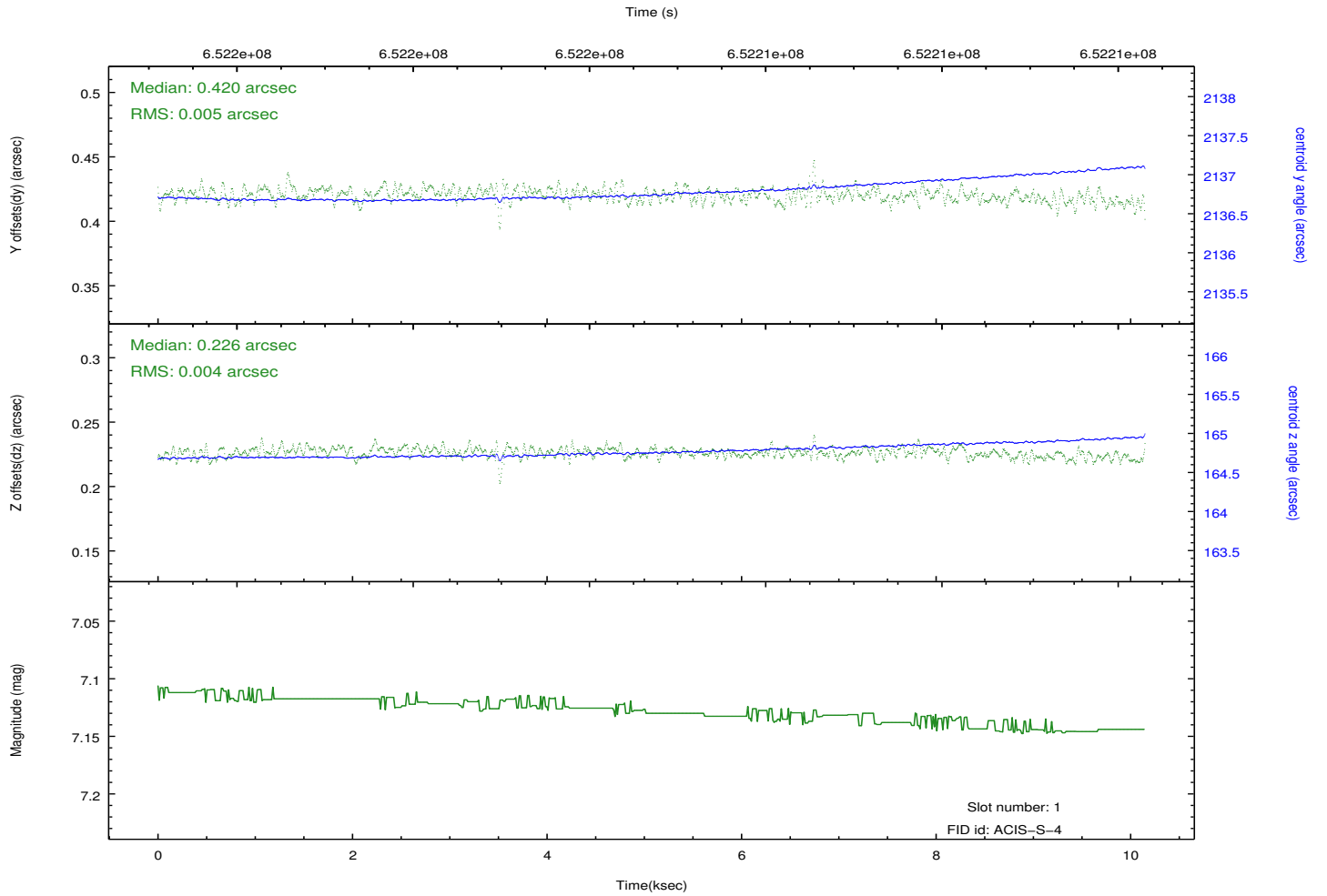
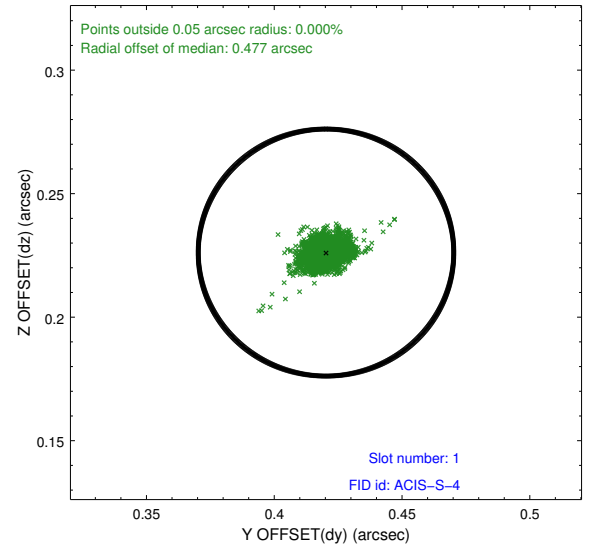
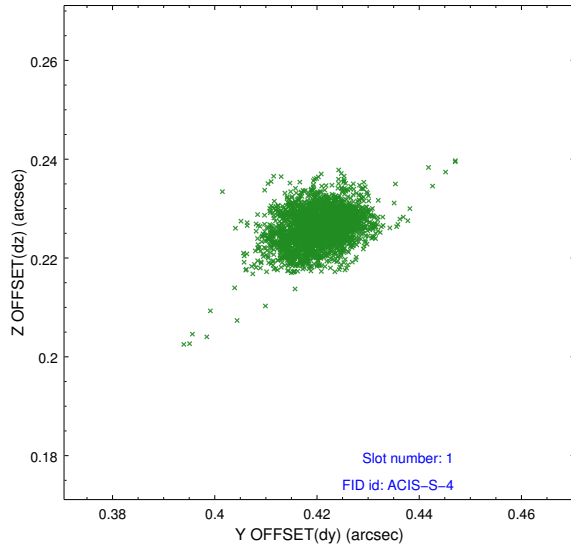


2.5 FID Slots

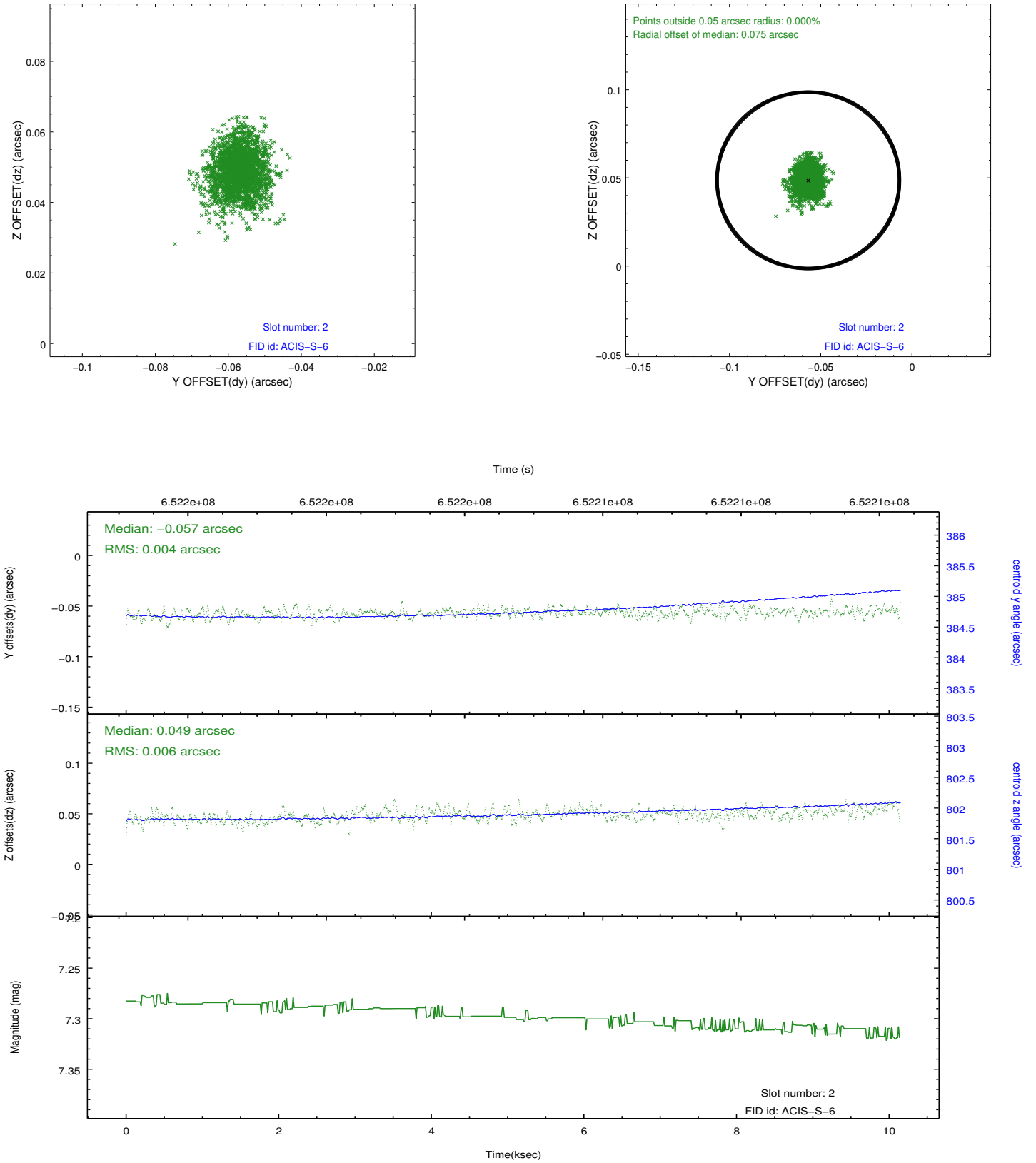
2.5.1 Slot 0



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)	2018.09.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9520001482964

A.2 Comments