

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18038 - L2 Version 1
Chandra X-Ray Center

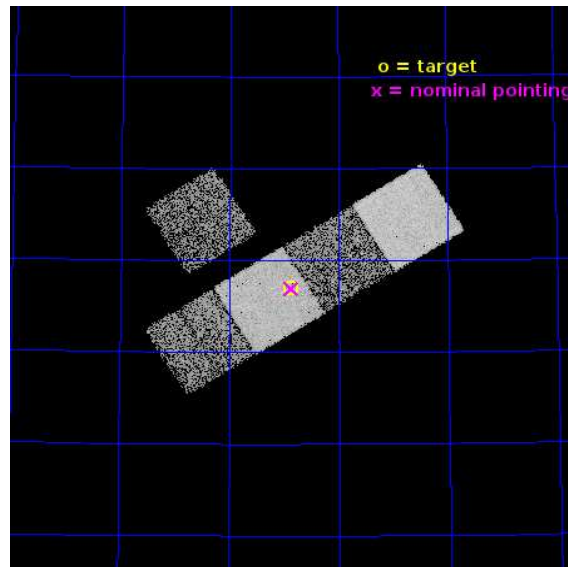
L2 Processing Date : Jan 15 2016

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1 Front

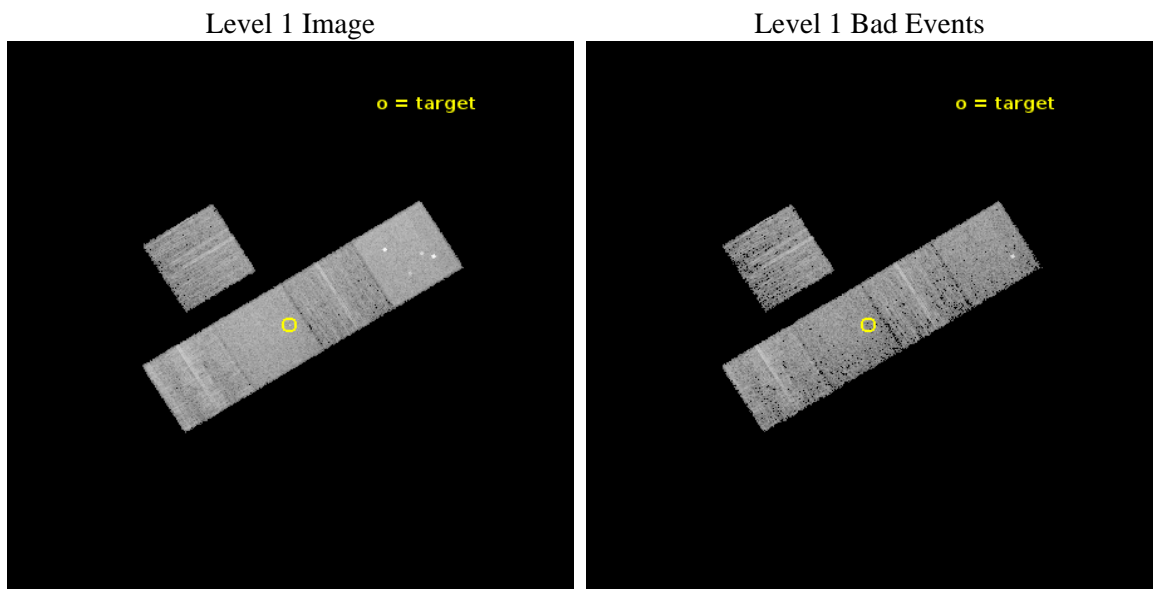
seq_num	601224	Sequence number
obs_id	18038	Observation id
title	The Most Luminous Field Early-type Galaxies	Proposal title
observer	Professor Jimmy Irwin	Principal investigator
object	NGC 2892	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	143.220417	Observer's specified target RA [deg]
dec_targ	67.6175	Observer's specified target Dec [deg]
ra_nom	143.21678566409	Nominal RA [deg]
dec_nom	67.615504391184	Nominal Dec [deg]
roll_nom	148.15995162131	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7058.7000544071	Sum of GTIs [s]
livetime	6966.4729416569	Livetime [s]
ontime3	7058.7000544071	Sum of GTIs [s]
ontime5	7058.7000544071	Sum of GTIs [s]
ontime6	7058.7000544071	Sum of GTIs [s]
ontime7	7058.7000544071	Sum of GTIs [s]
ontime8	7058.7000544071	Sum of GTIs [s]
l2events	65821	Number of level 2 events



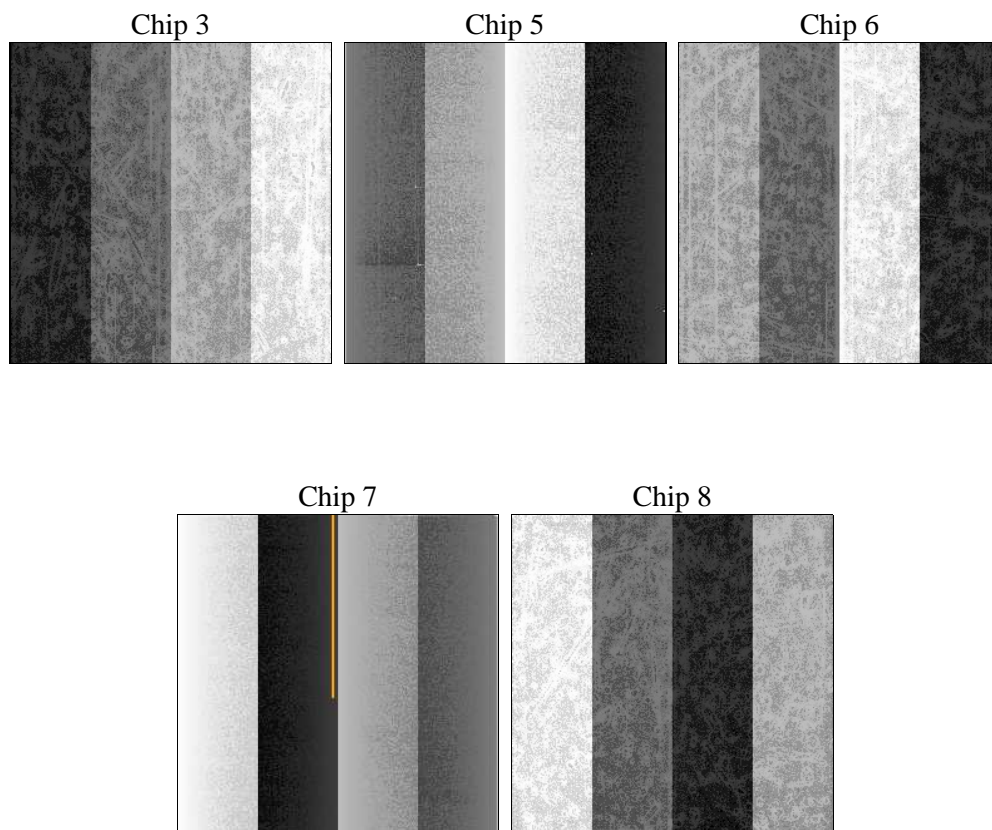
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	7058.7000544071	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	7058.7000544071	Sum of GTIs [s]
date	2016-01-15T15:00:03	Date and time of file creation	ontime5	7058.7000544071	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7058.7000544071	Sum of GTIs [s]
			ontime7	7058.7000544071	Sum of GTIs [s]
			ontime8	7058.7000544071	Sum of GTIs [s]
			l1events	255150	Number of level 1 events

2.1.4 Events

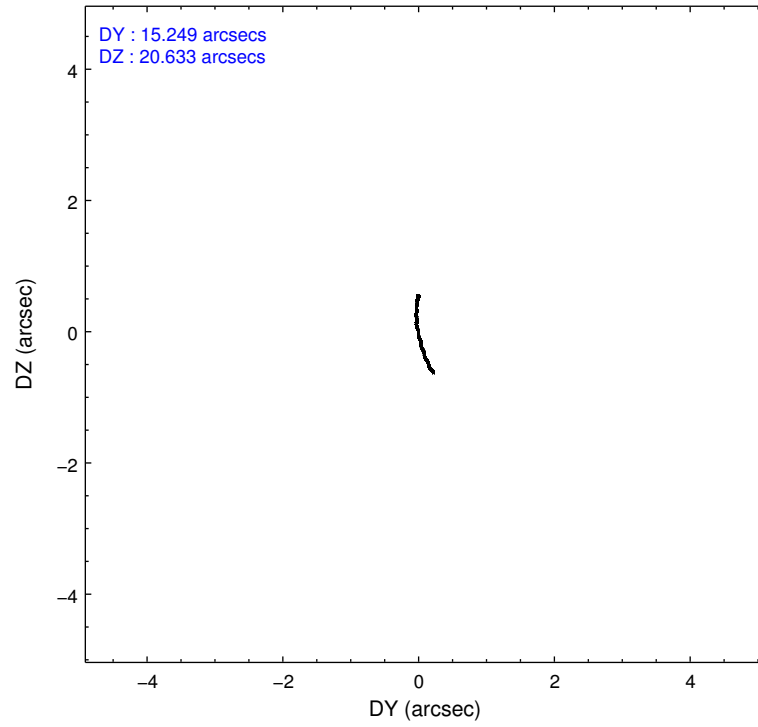
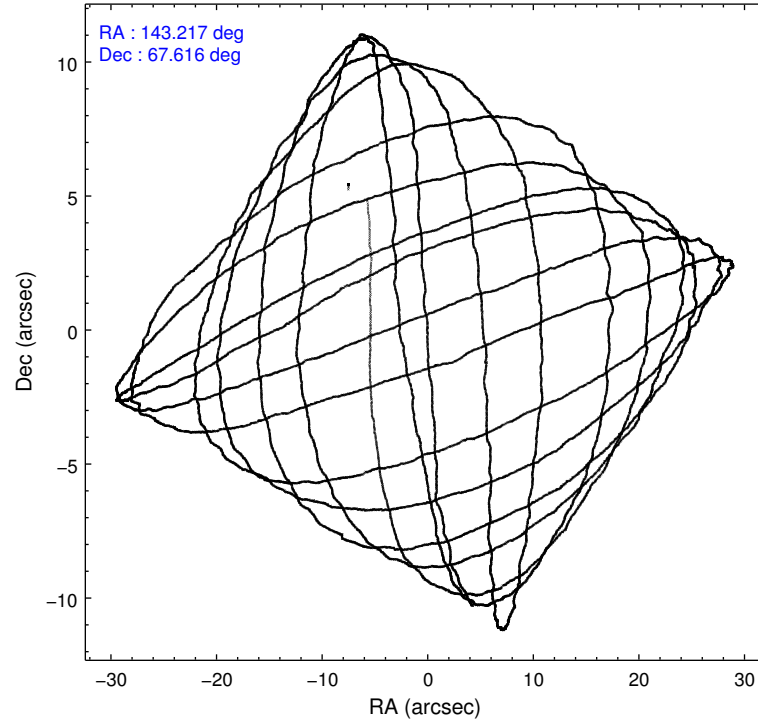
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37886	67913	40551	54595	54205
rejected events	33615	34344	35564	31025	39497
rejected %	88%	50%	87%	56%	72%

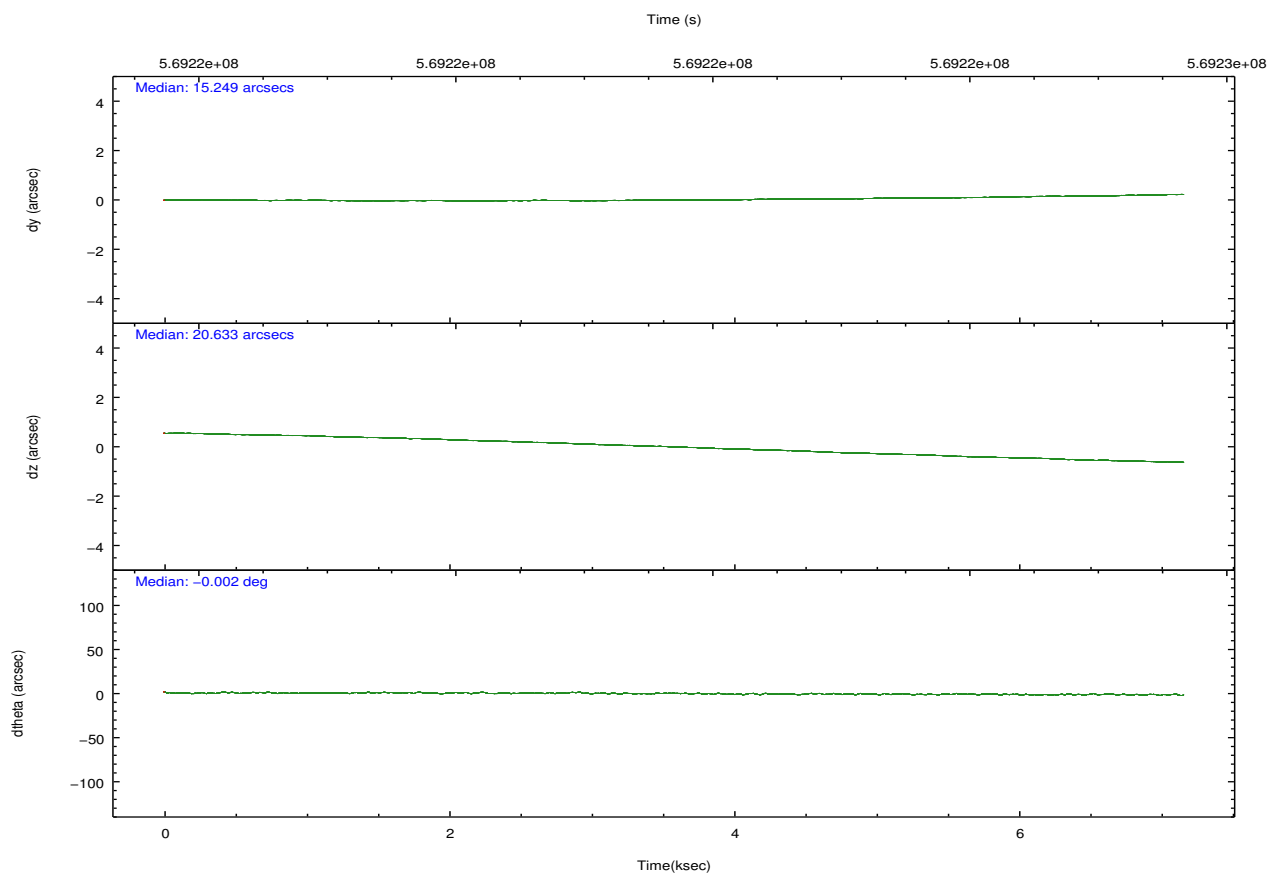
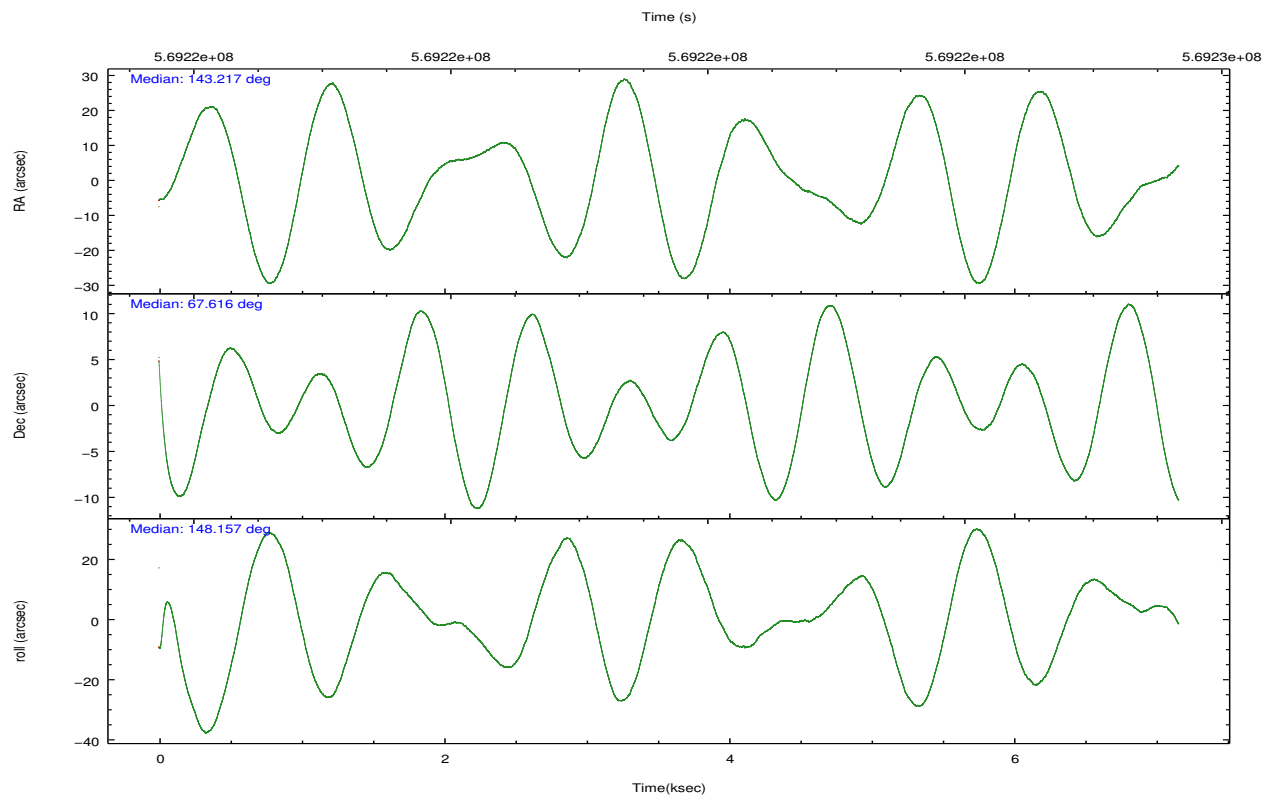
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1495	4139	1724	2126	4359
	3%	6%	4%	3%	8%
grade 1 events	24	99	21	59	38
	0%	0%	0%	0%	0%
grade 2 events	926	10504	1130	4865	3659
	2%	15%	2%	8%	6%
grade 3 events	441	1031	511	2014	1444
	1%	1%	1%	3%	2%
grade 4 events	473	966	471	2004	1325
	1%	1%	1%	3%	2%
grade 5 events	2014	4905	2112	5546	3050
	5%	7%	5%	10%	5%
grade 6 events	937	16942	1153	12568	3924
	2%	24%	2%	23%	7%
grade 7 events	31576	29327	33429	25413	36406
	83%	43%	82%	46%	67%

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	143.288840	143.2167856640864	CCD I2 on	N	N
[deg] Pointing Dec	67.615013	67.61550439118352	CCD I3 on	Y	Y
[deg] Pointing Roll	147.936735	148.1599516213093	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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	O1	Y
[s] Observation start time (MET)	569218263.184000	569216955.55932	CCD S5 on	N	N
Observation start date	2016-01-15T04:09:55	2016-01-15T03:49:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	569225263.184000	569226322.52235	On-chip summing requested	N	N
Observation end date	2016-01-15T06:06:35	2016-01-15T06:25:22	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



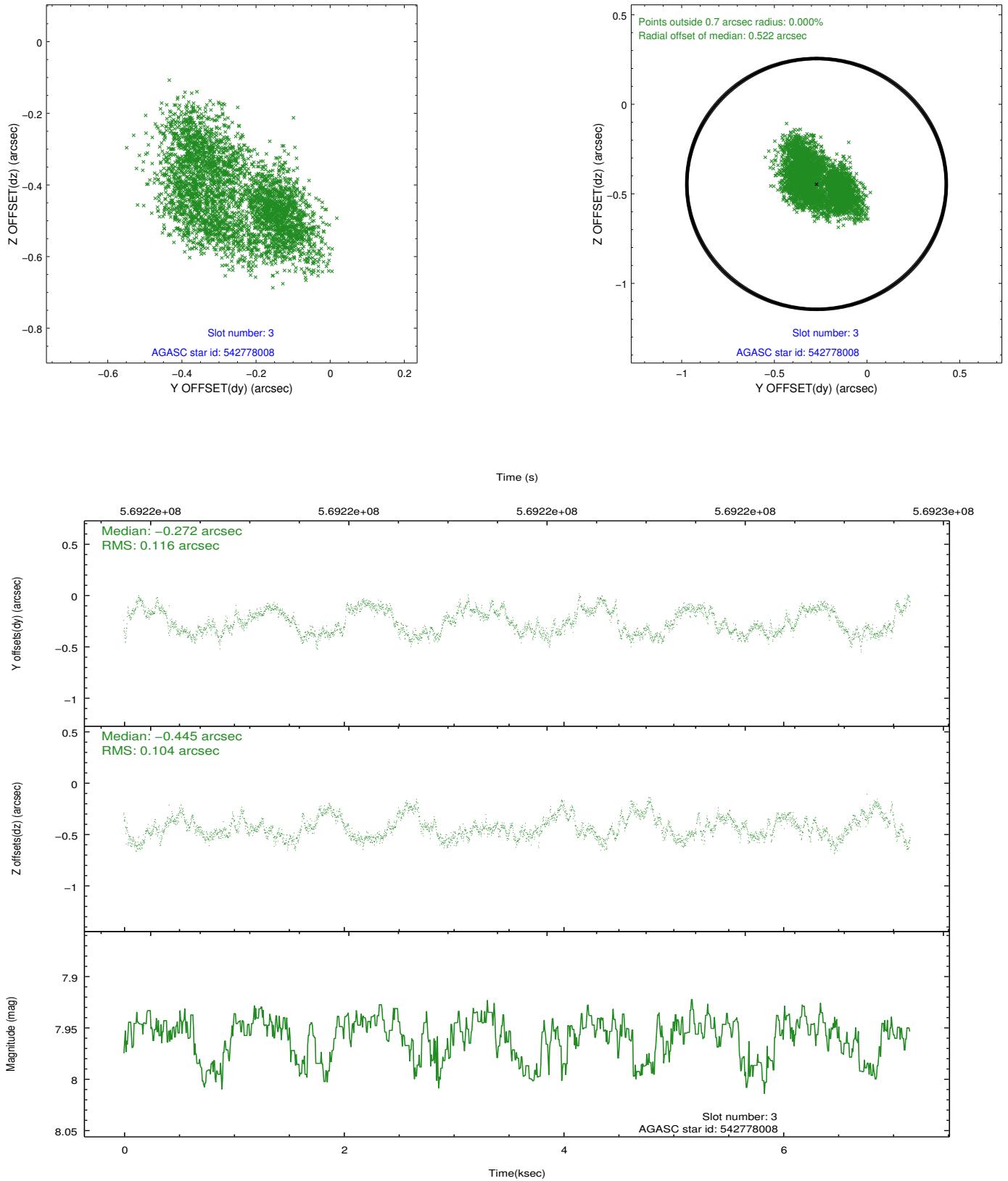


Slot Statistics

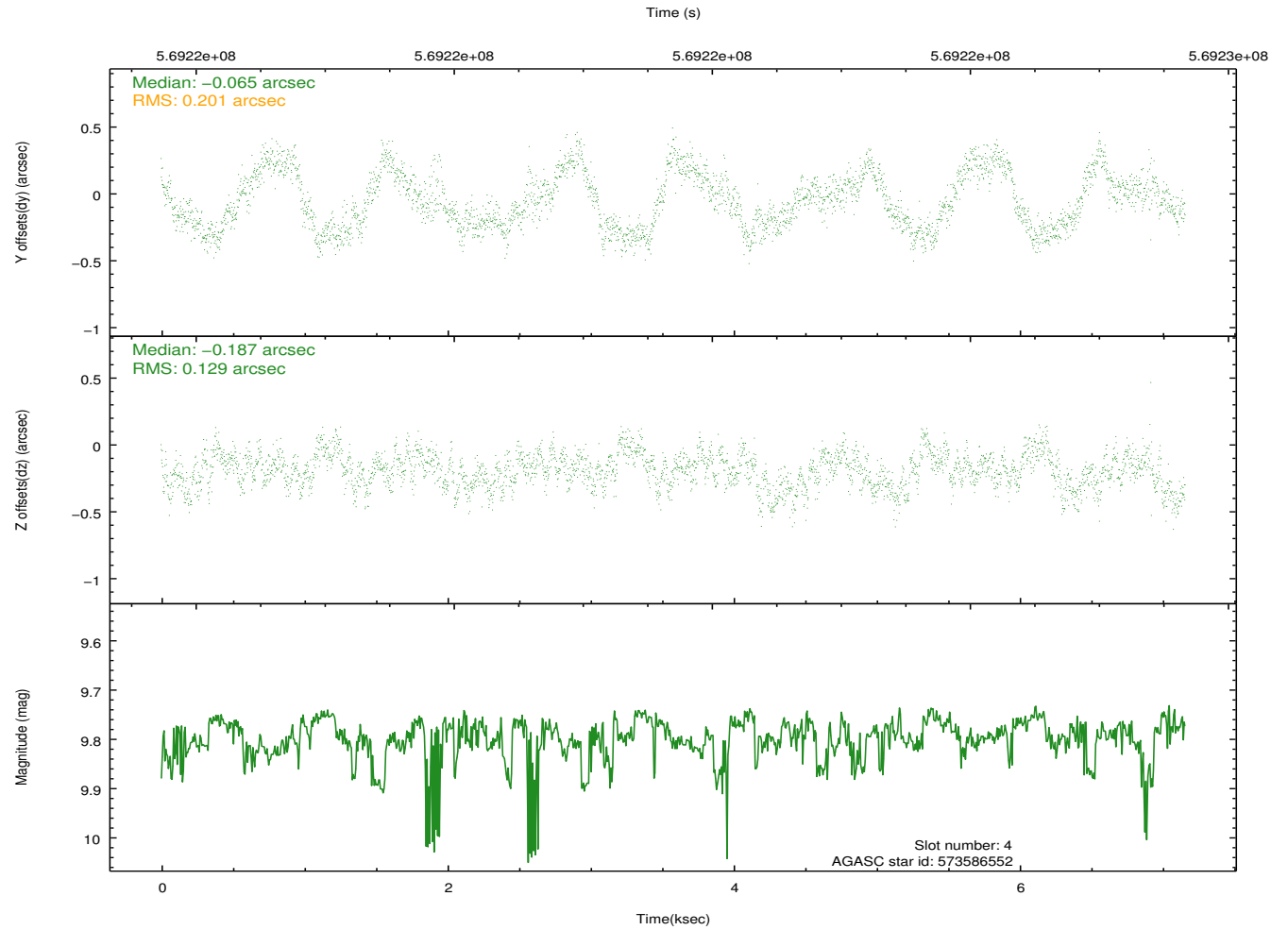
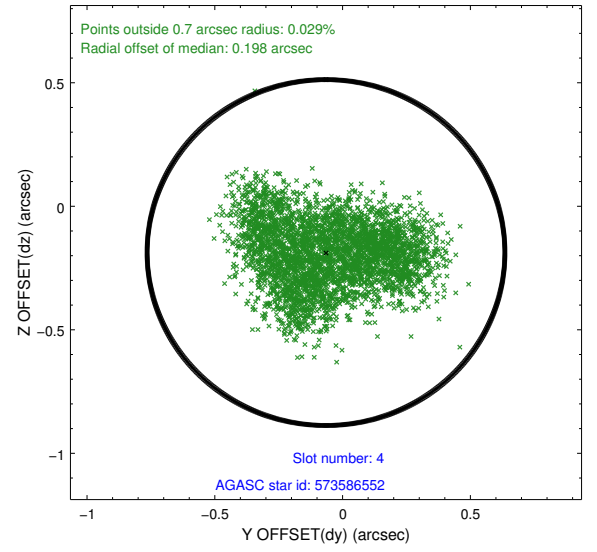
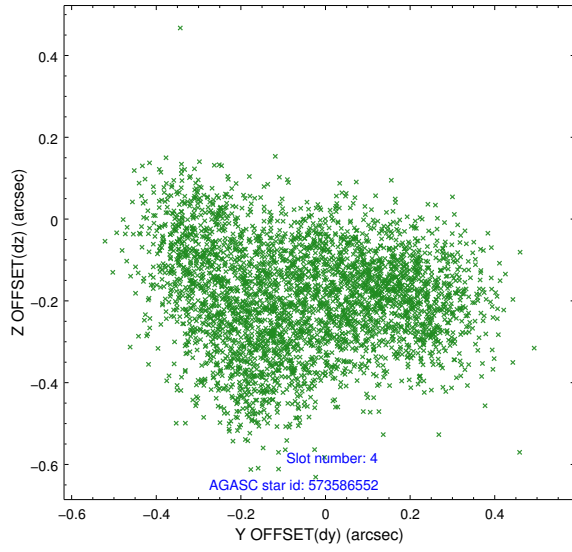
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1747	-0.242	-0.159	0.006	0.011	0.000000	0.000000	-768.56	-1742.23
1	FID		ACIS-S-4	7.21	1747	0.270	0.135	0.006	0.011	0.000000	0.000000	2144.92	165.61
2	FID		ACIS-S-6	7.34	1747	-0.057	0.031	0.007	0.012	0.000000	0.000000	394.72	803.88
3	GUIDE	used	542778008	7.96	3493	-0.272	-0.445	0.168	0.257	142.779599	67.033364	-504.02	2151.93
4	GUIDE	used	573586552	9.80	3479	-0.065	-0.187	0.265	0.388	142.611650	67.612245	784.53	498.33
5	GUIDE	used	574504696	8.40	3492	0.014	0.255	0.105	0.164	144.712253	68.014195	-850.48	-2254.38
6	GUIDE	used	573586496	9.60	3486	0.037	-0.033	0.179	0.286	142.217102	68.200934	2340.65	-1037.98
7	GUIDE	used	574502240	9.87	3447	0.268	0.413	0.174	0.284	145.524016	67.729372	-2334.71	-2014.06

2.4 Star Slots

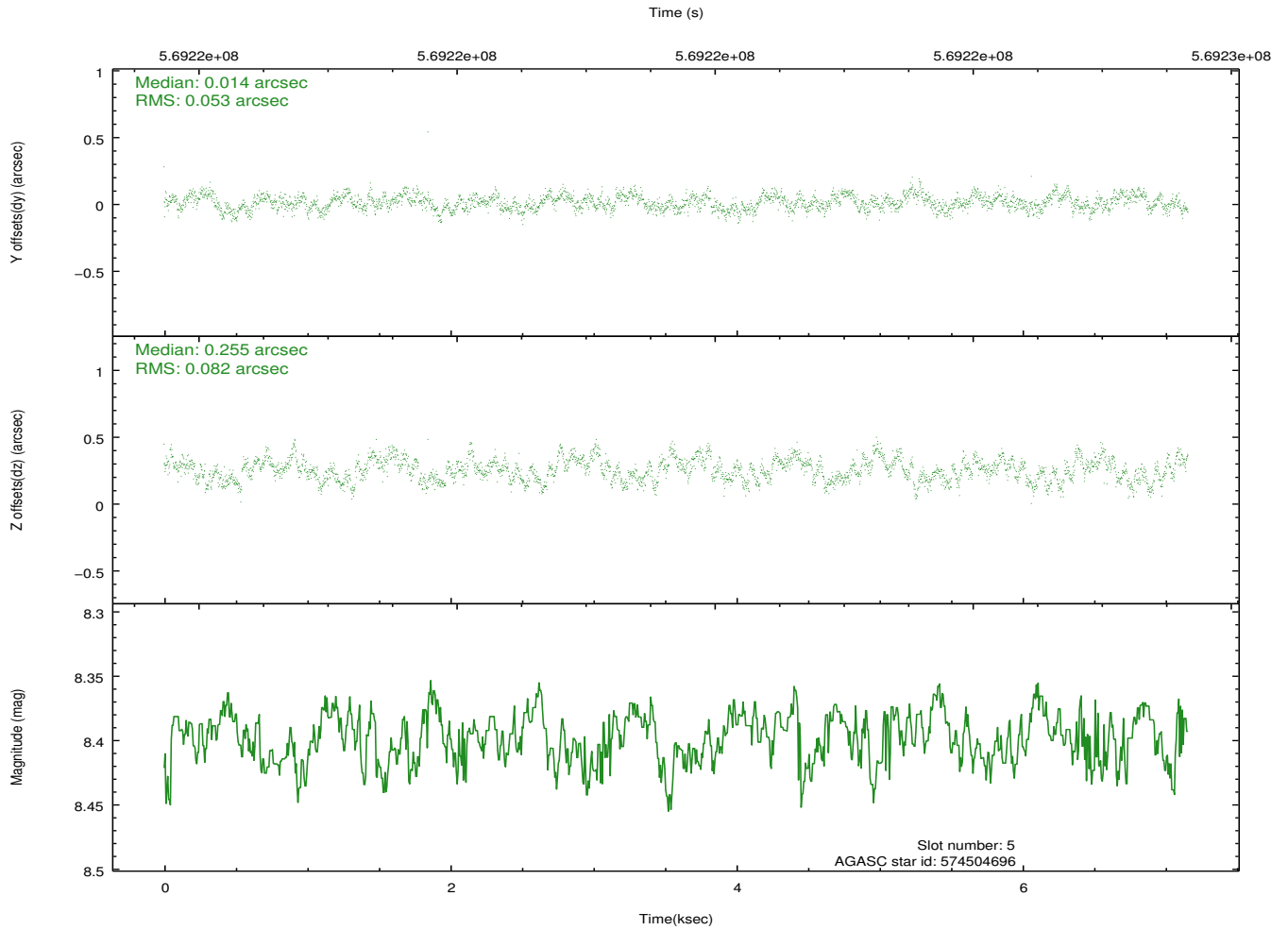
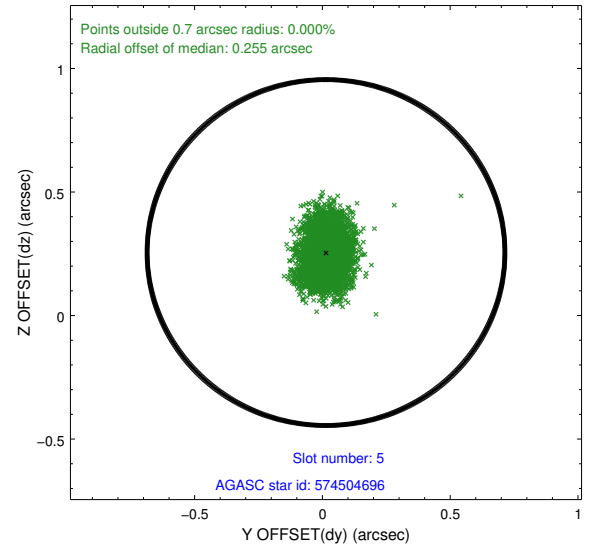
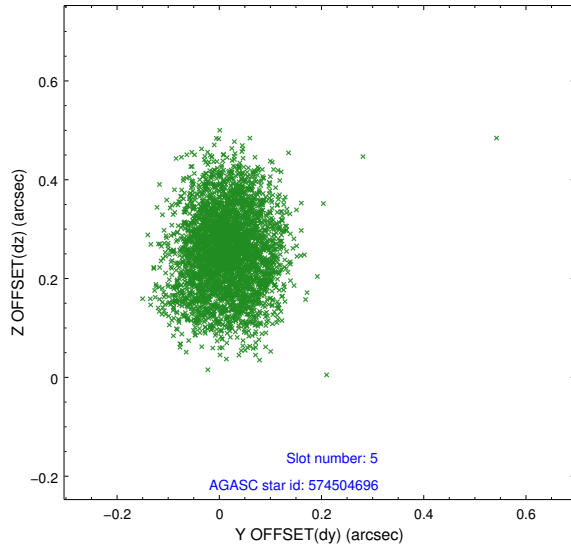
2.4.1 Slot 3



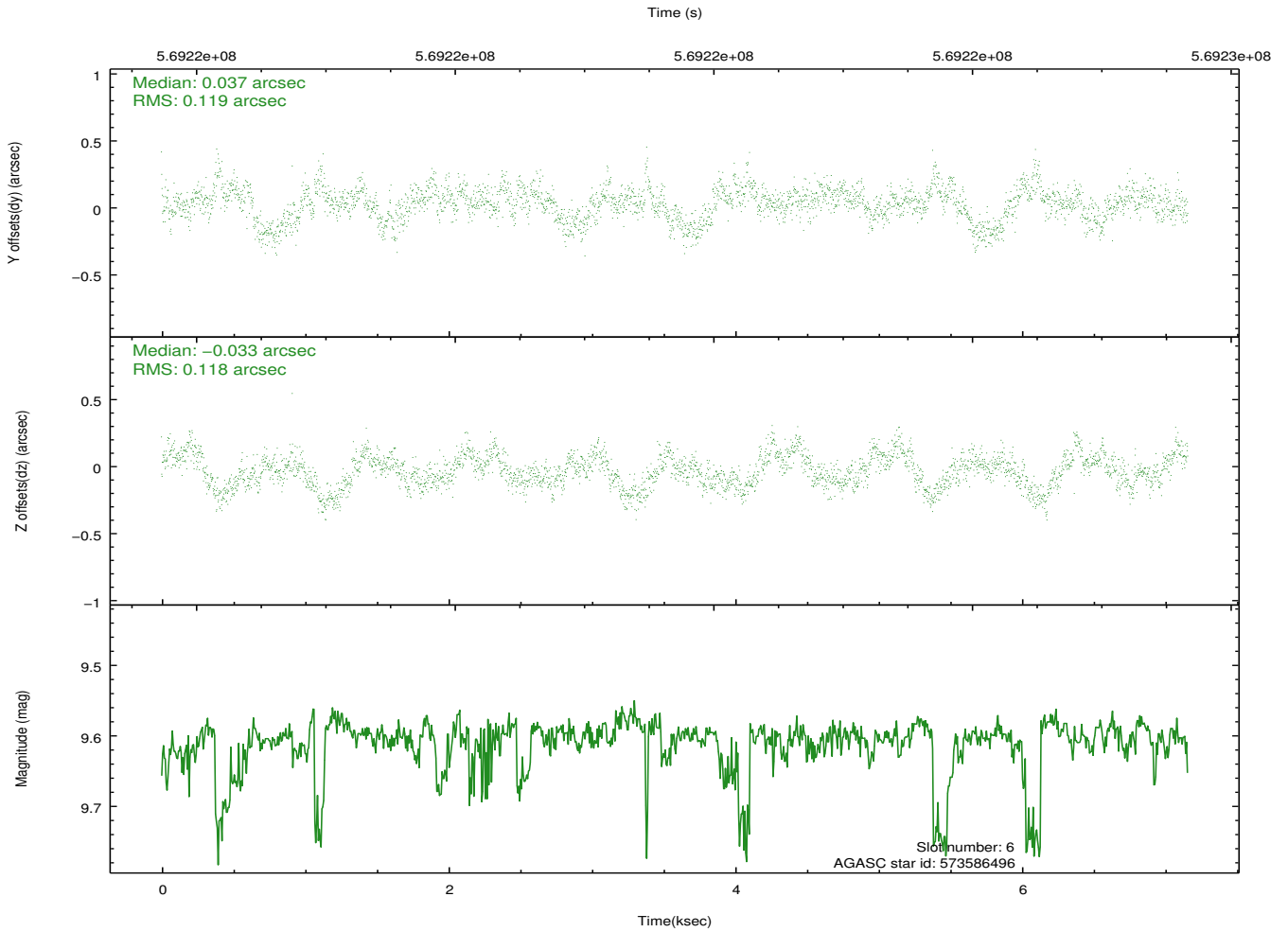
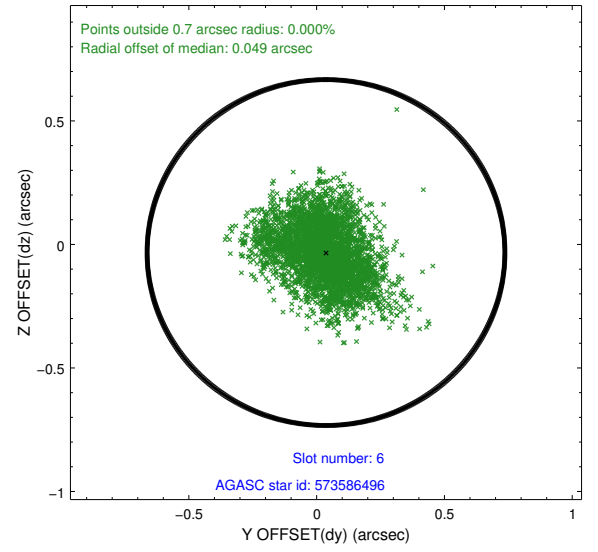
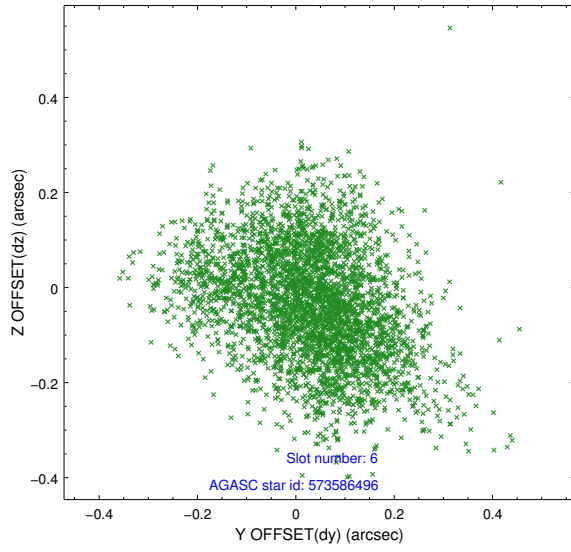
2.4.2 Slot 4



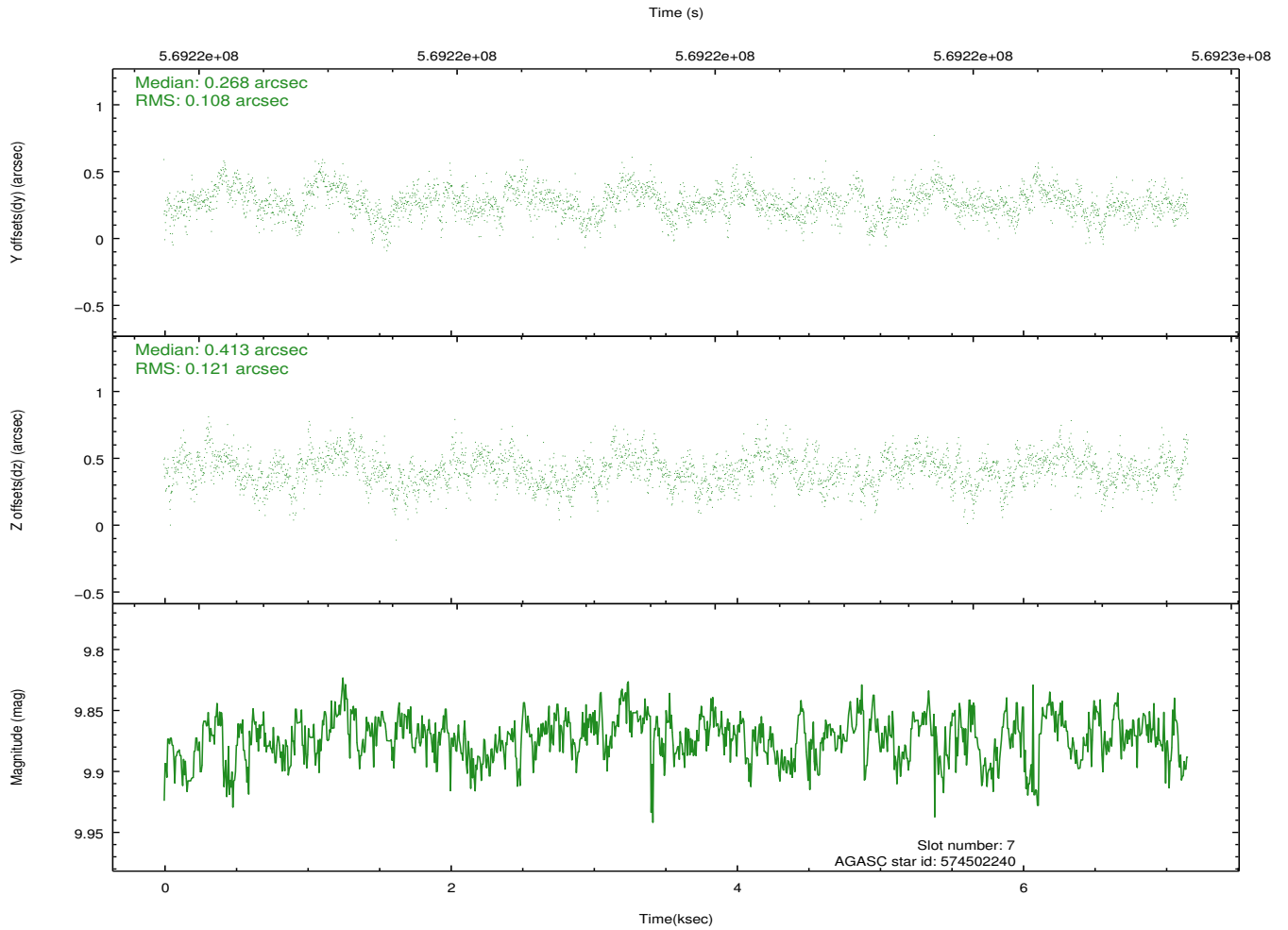
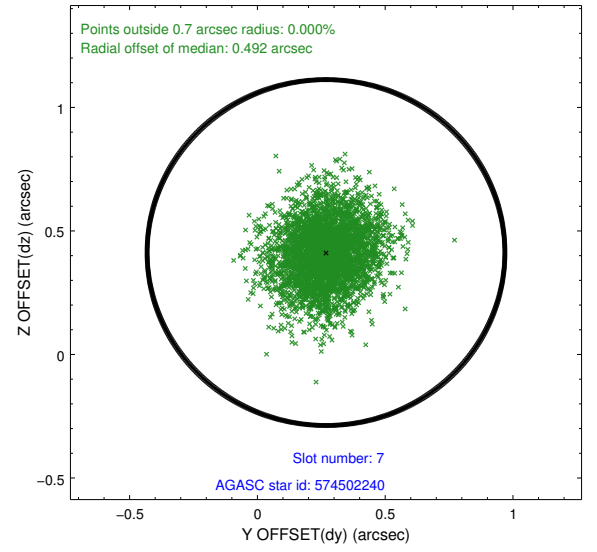
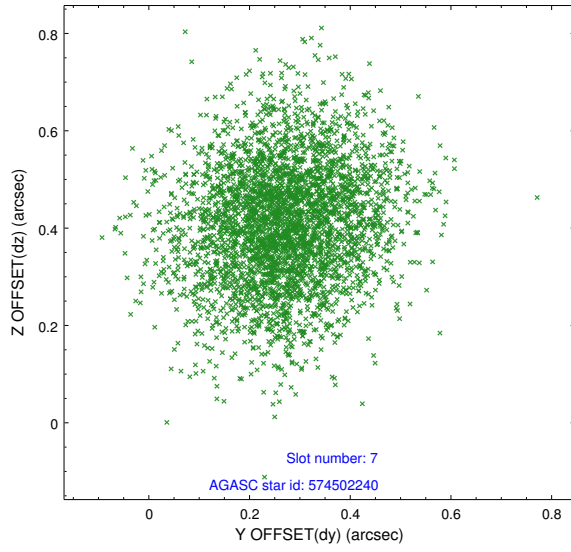
2.4.3 Slot 5



2.4.4 Slot 6

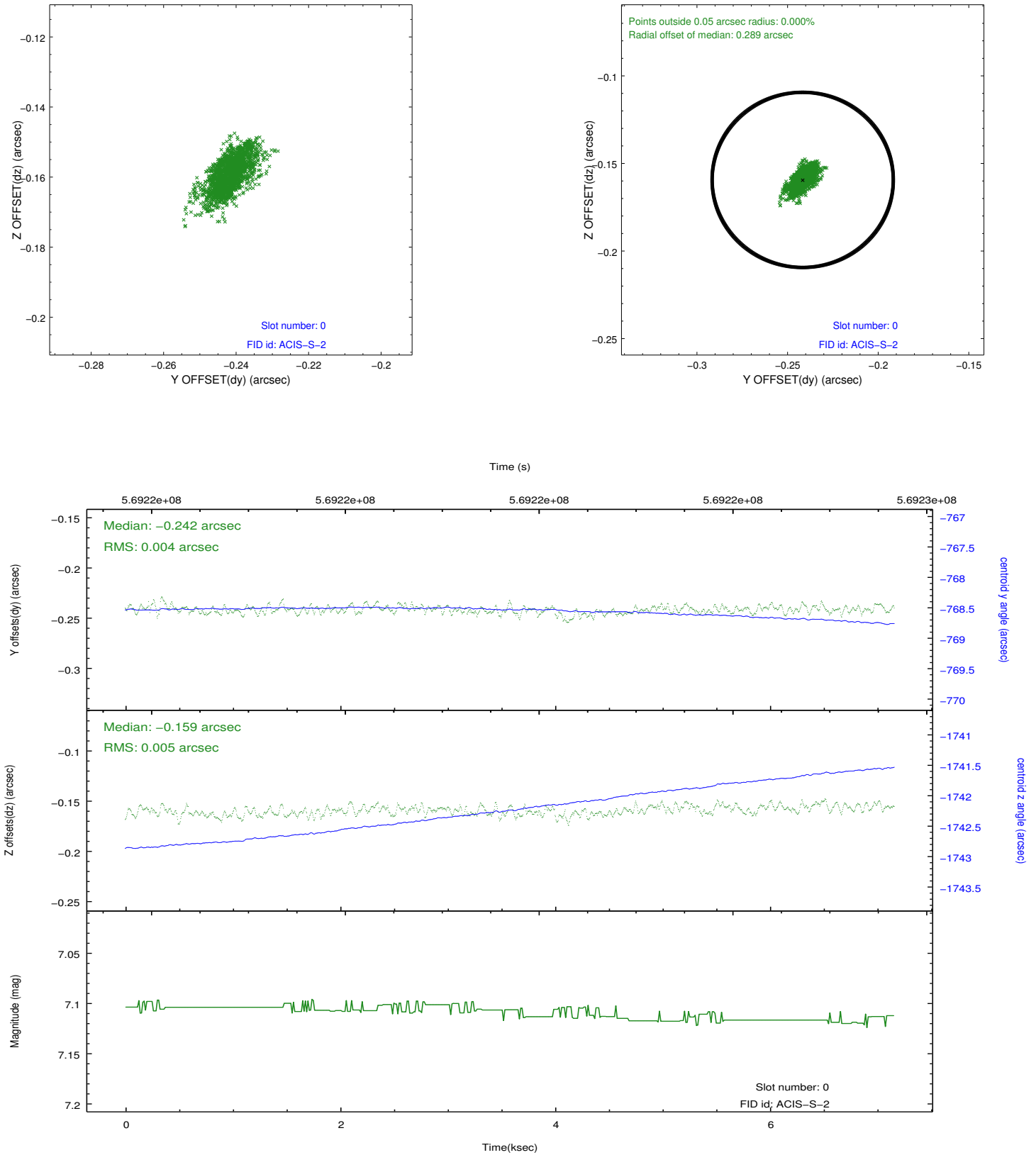


2.4.5 Slot 7

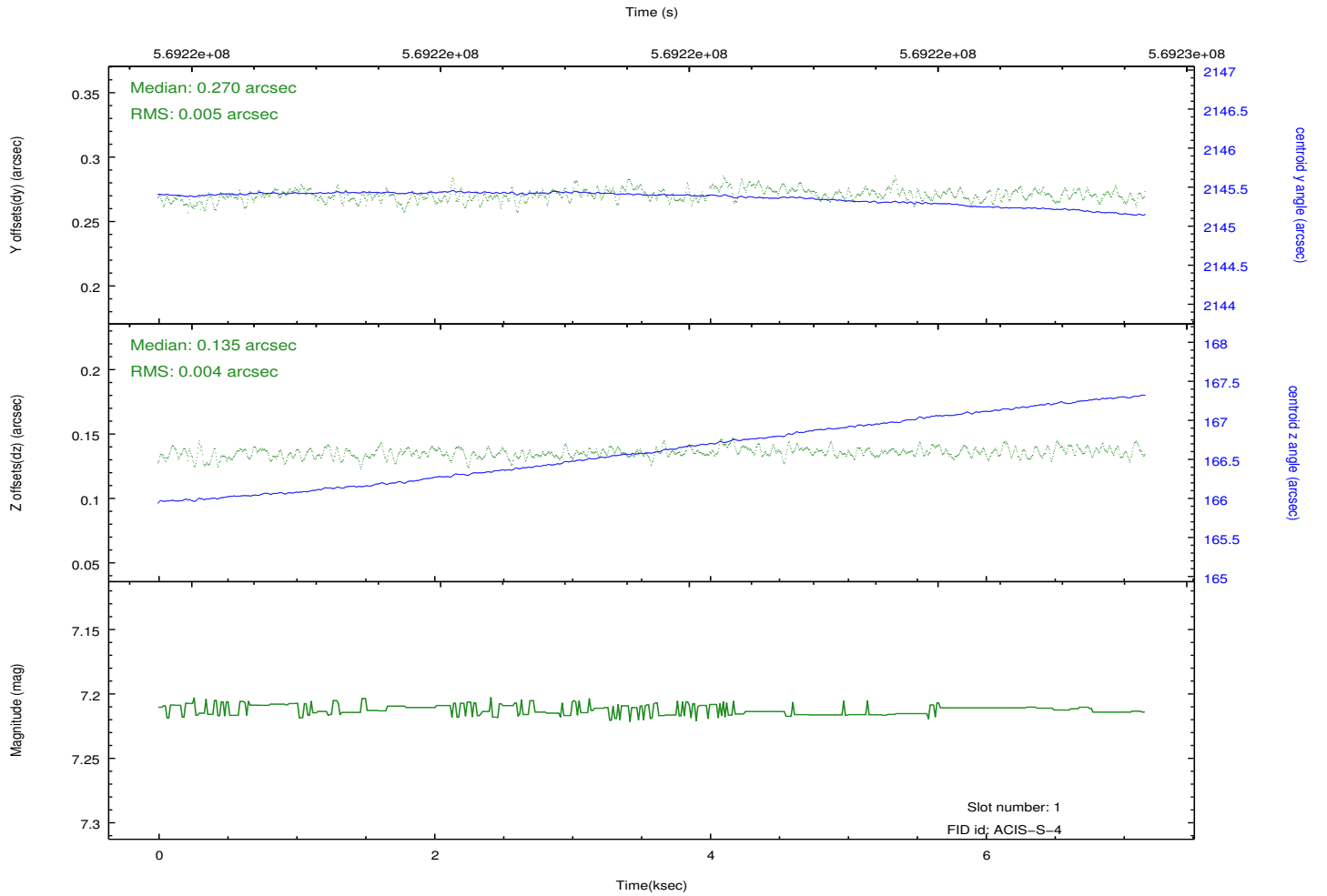
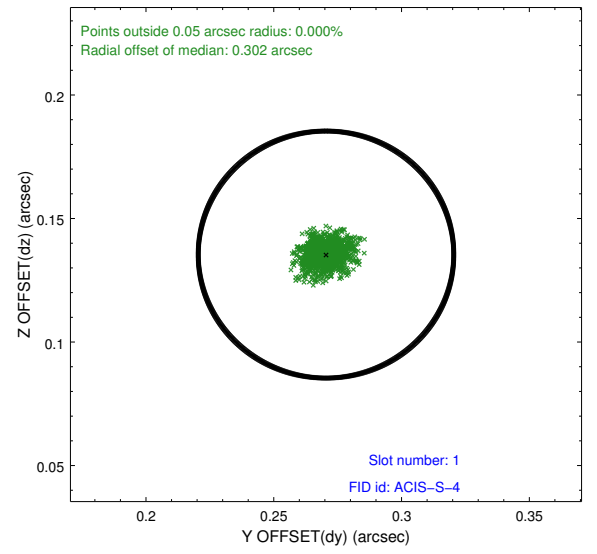
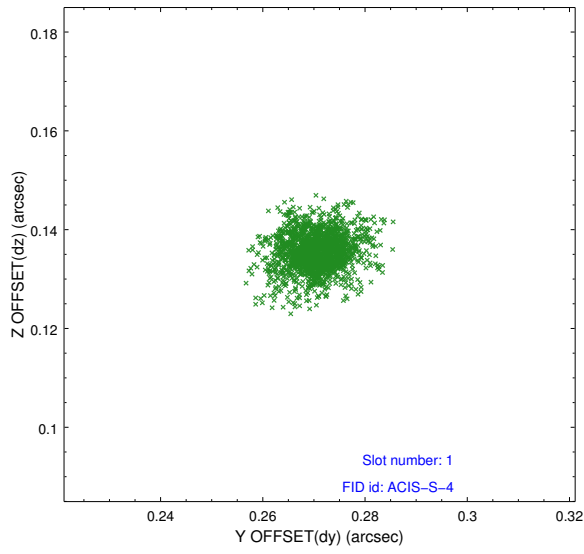


2.5 FID Slots

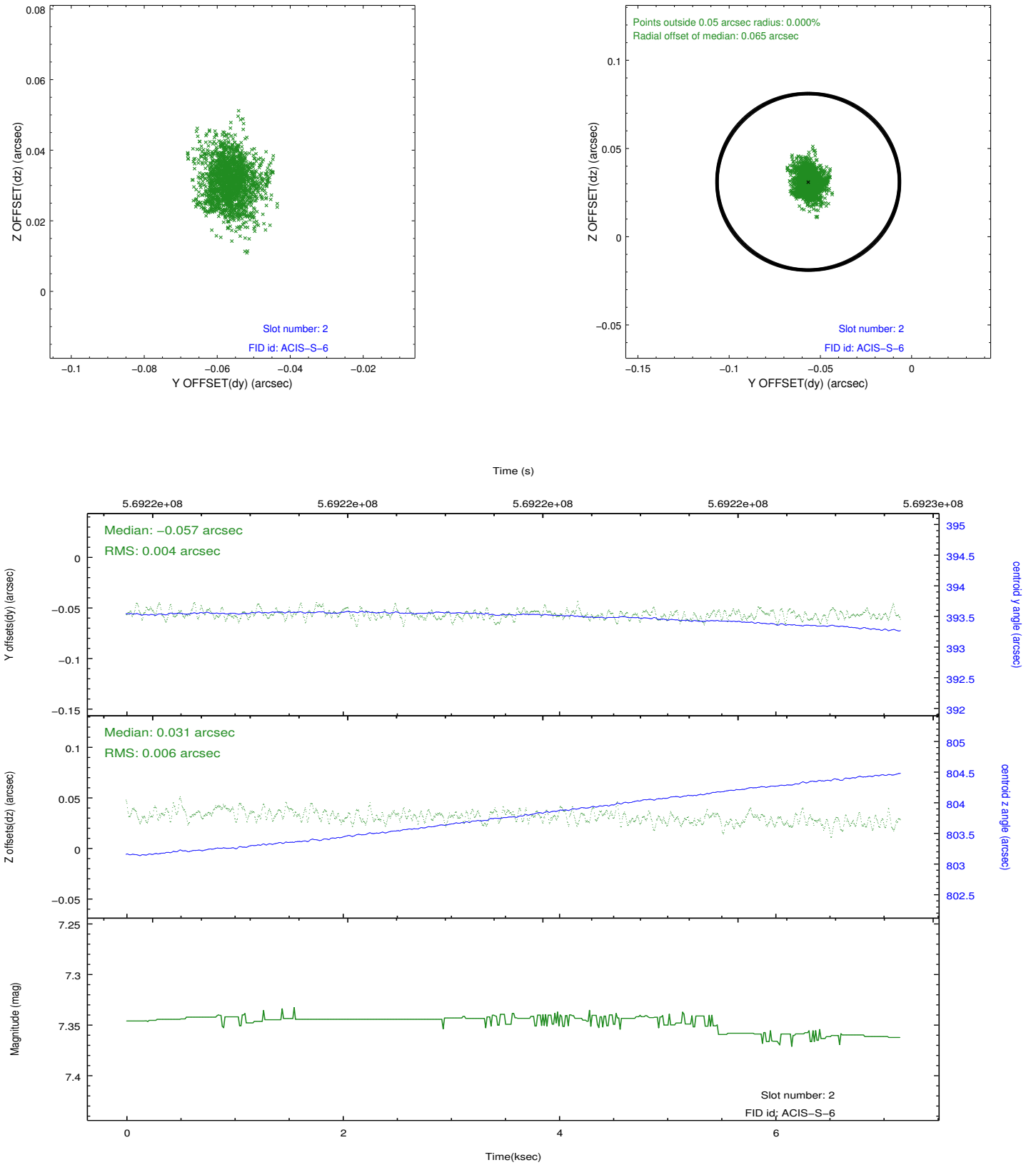
2.5.1 Slot 0



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)	2016.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.0587000544071

A.2 Comments