

V&V Reference Report

L2 ASCDS Version : 10.6.4.1

Observation 20349 - L2 Version 1
Chandra X-Ray Center

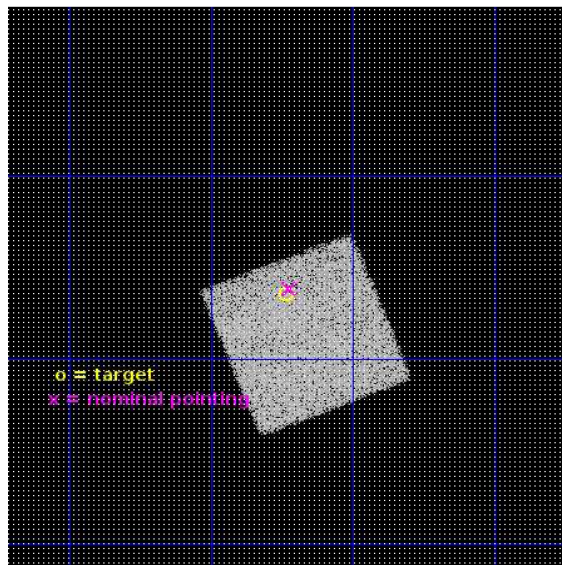
L2 Processing Date : Oct 5 2018

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1 Front

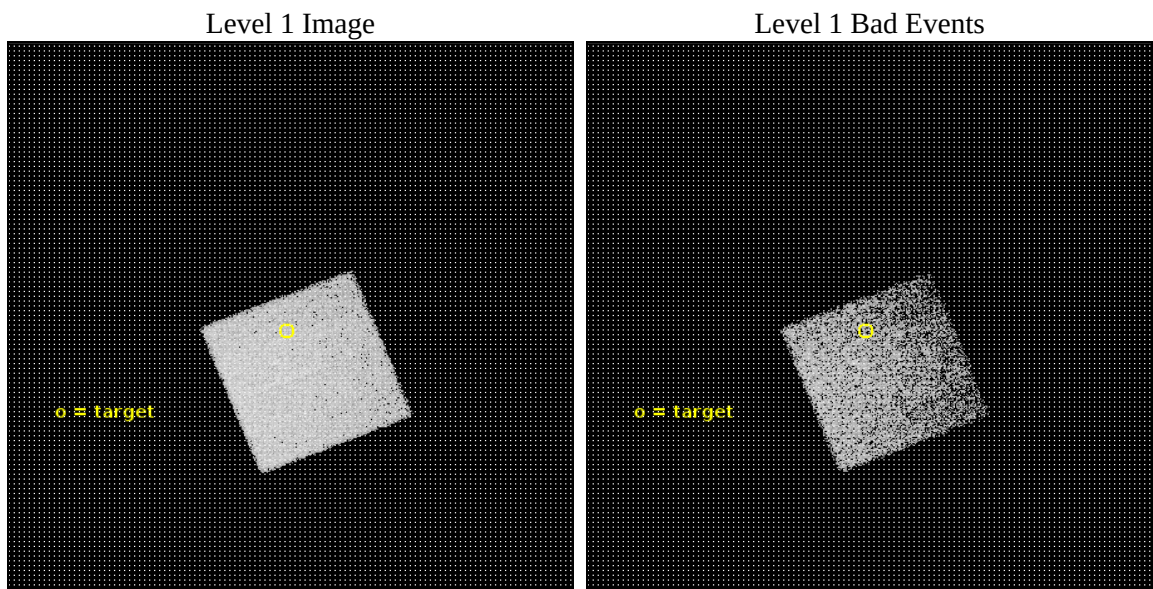
seq_num	601415	Sequence number
obs_id	20349	Observation id
title	X-ray Ionized Nebulae in Nearby Dwarf Galaxies	Proposal title
observer	Richard Plotkin	Principal investigator
object	SDSS J021513.98-084624.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	33.808333	Observer's specified target RA [deg]
dec_targ	-8.773444	Observer's specified target Dec [deg]
ra_nom	33.805681158935	Nominal RA [deg]
dec_nom	-8.768925673232	Nominal Dec [deg]
roll_nom	68.15622762386	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11940.0	Sum of GTIs [s]
livetime	11778.865125089	Livetime [s]
ontime7	11940.0	Sum of GTIs [s]
l2events	41287	Number of level 2 events



2 OBI

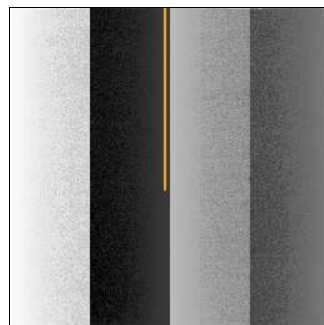
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11850.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4.1	Processing system revision	ontime	11940.0	Sum of GTIs [s]
caldbver	4.8.0	 	ontime7	11940.0	Sum of GTIs [s]
date	2018-10-06T01:31:57	Date and time of file creation	l1events	90490	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

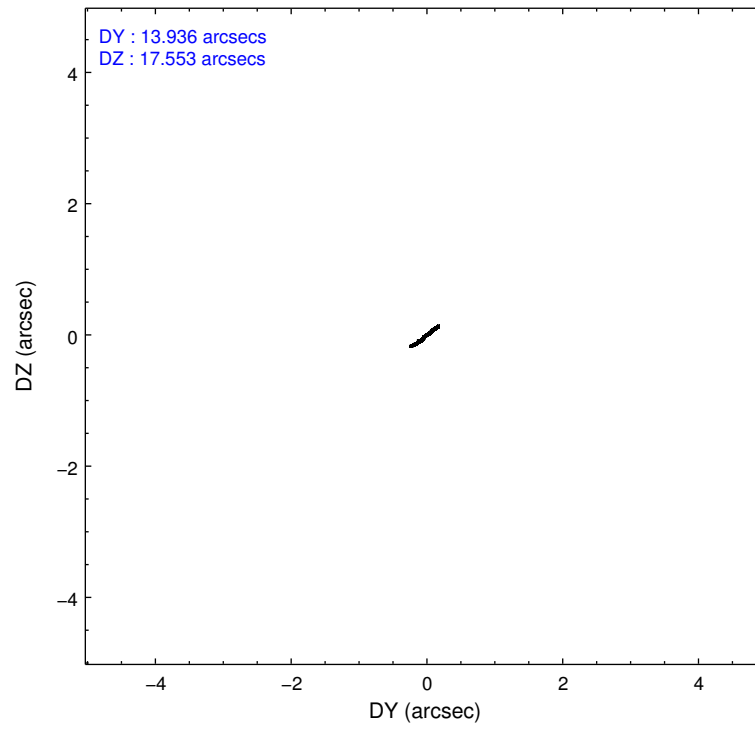
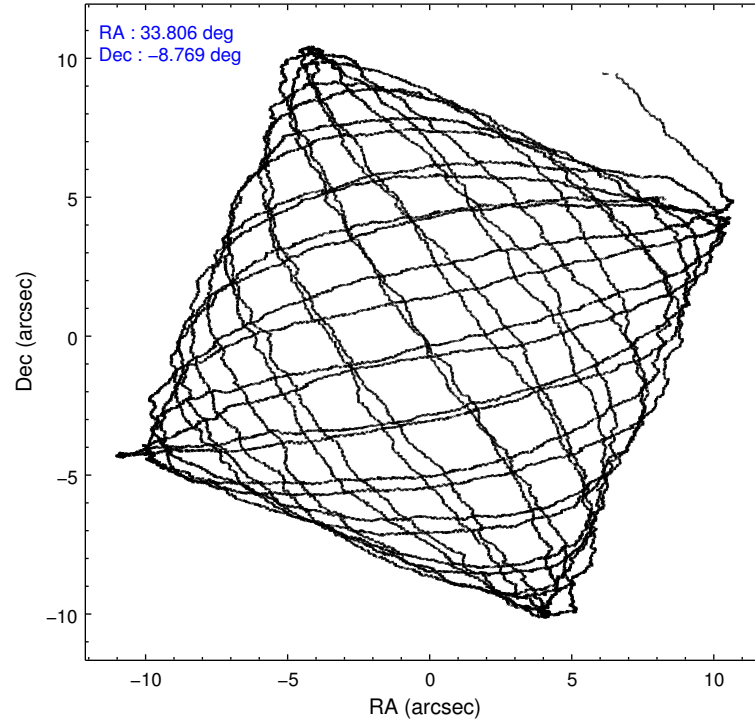
	ccd 7
level 1 events	90490
rejected events	47900
rejected %	52%

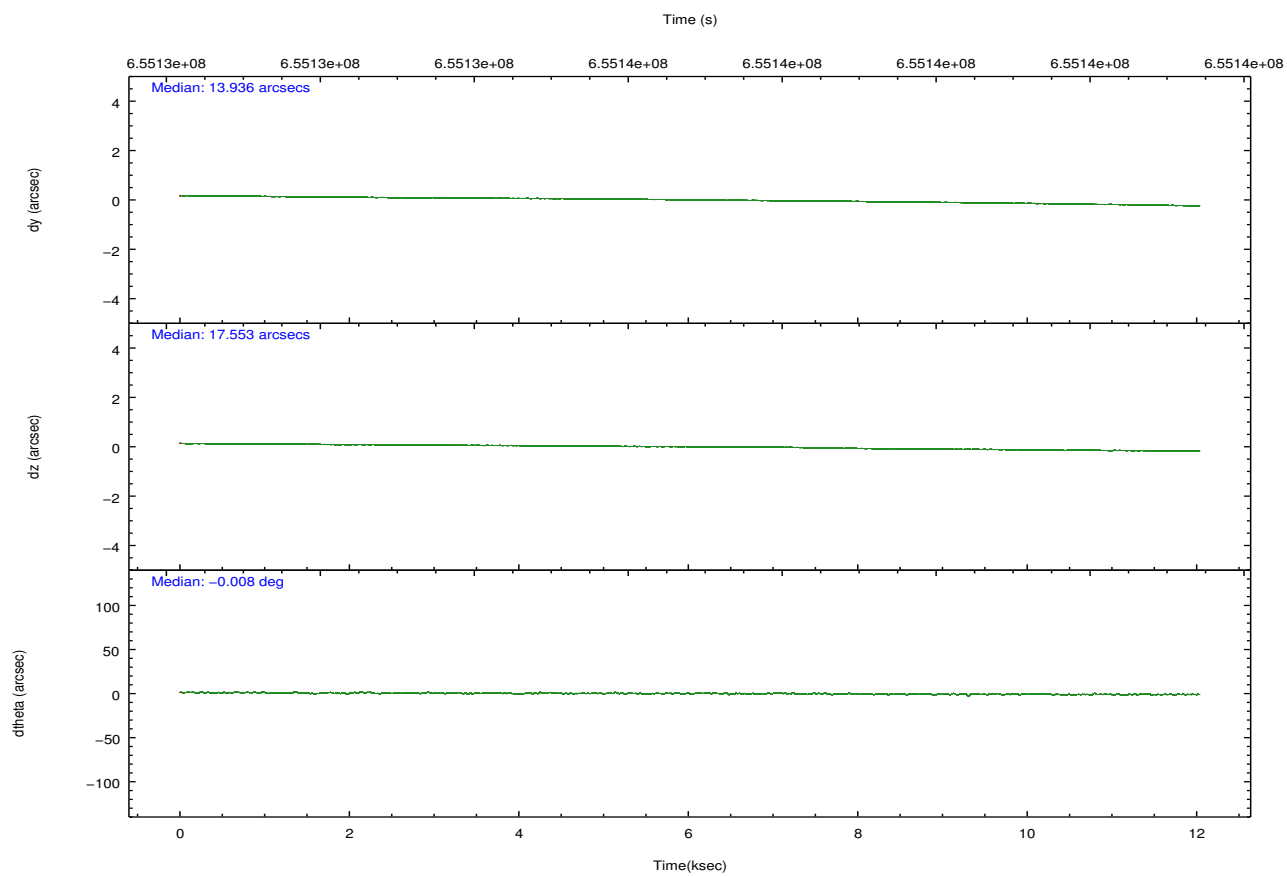
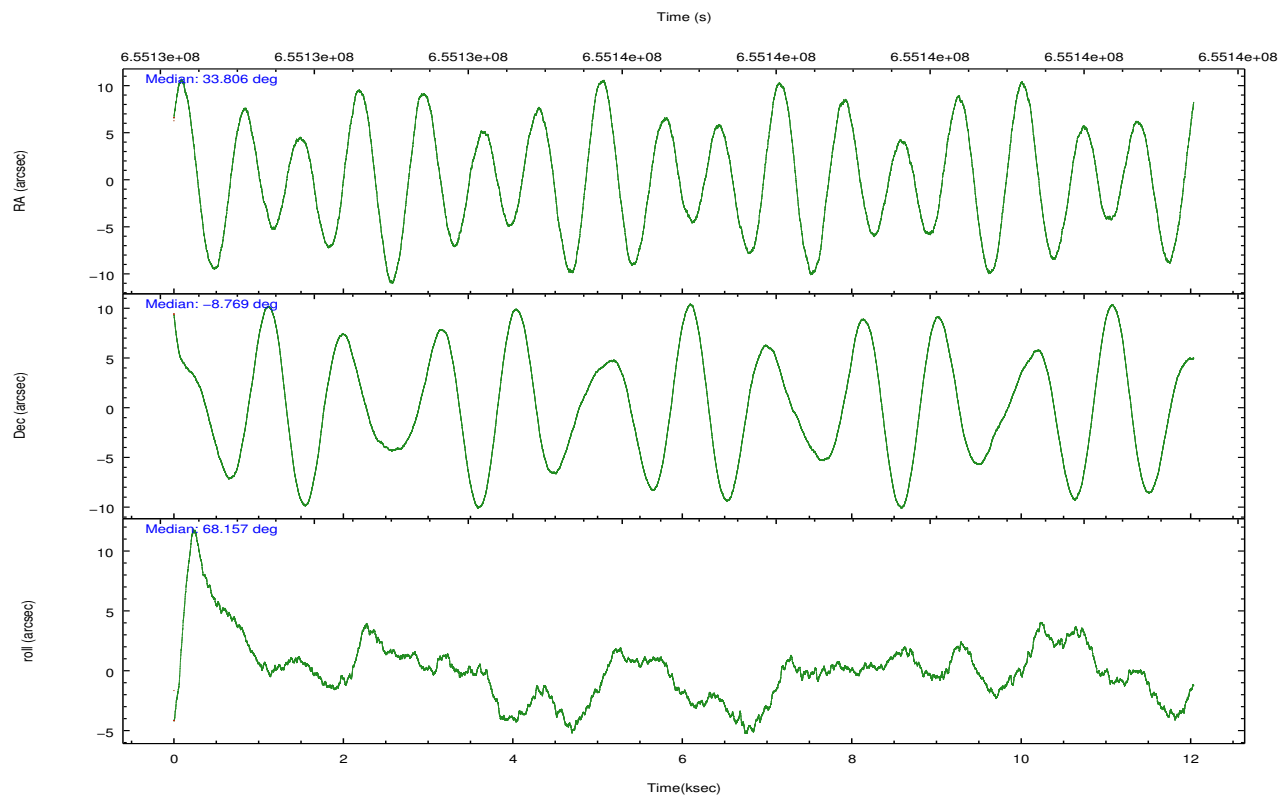
	ccd 7
grade 0 events	3903
	4%
grade 1 events	174
	0%
grade 2 events	9234
	10%
grade 3 events	3473
	3%
grade 4 events	3436
	3%
grade 5 events	9185
	10%
grade 6 events	22559
	24%
grade 7 events	38526
	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	33.809990	33.80568115893475	CCD I2 on	N	N
[deg] Pointing Dec	-8.796052	-8.768925673232017	CCD I3 on	N	N
[deg] Pointing Roll	68.000255	68.15622762385993	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	N
[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	N
[s] Observation start time (MET)	655130976.184000	655130006.13217	CCD S5 on	N	N
Observation start date	2018-10-05T12:48:27	2018-10-05T12:33:26	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	655142826.184000	655143960.9955	On-chip summing requested	N	N
Observation end date	2018-10-05T16:05:57	2018-10-05T16:26:00	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3

2.3 Aspect



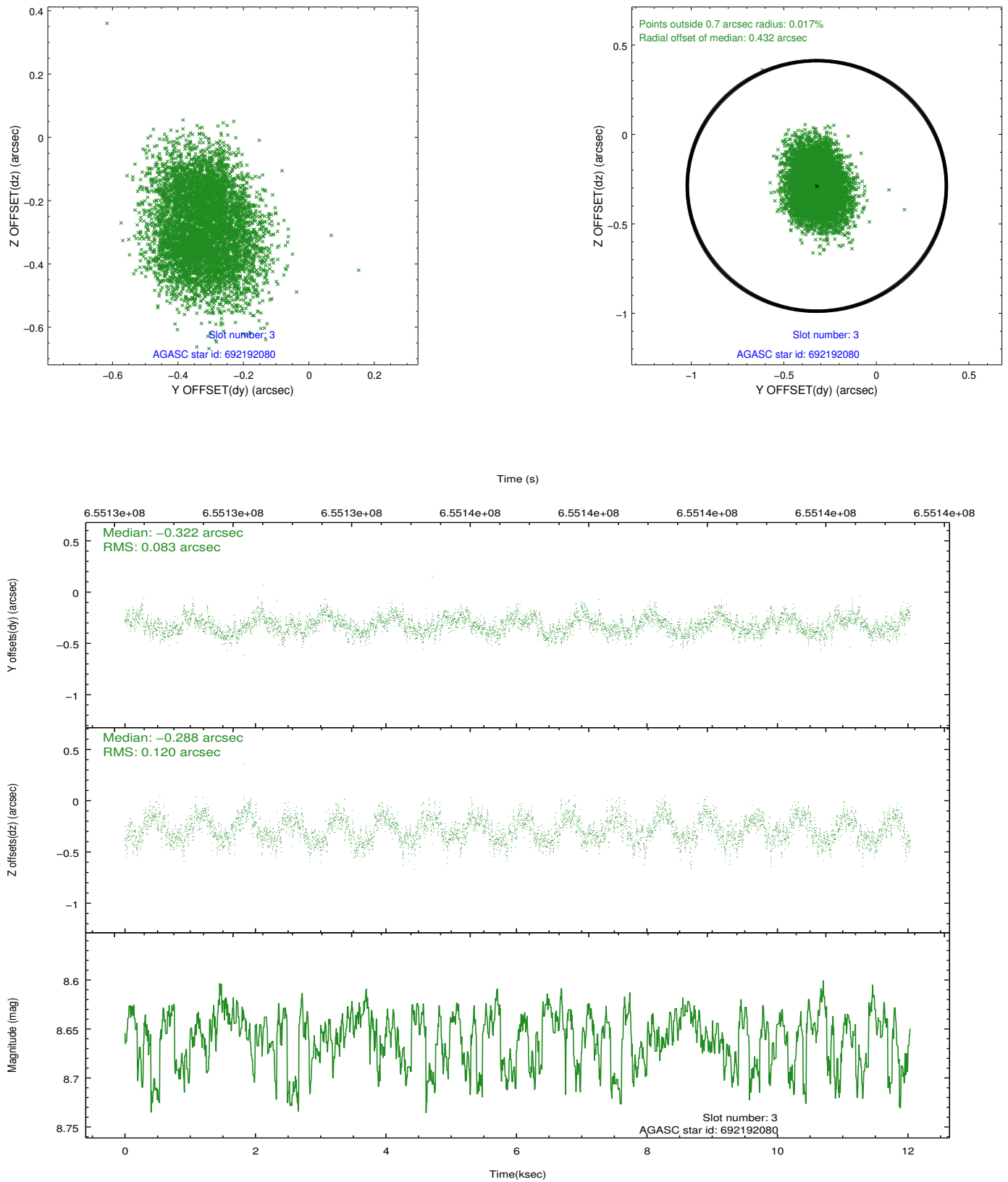


Slot Statistics

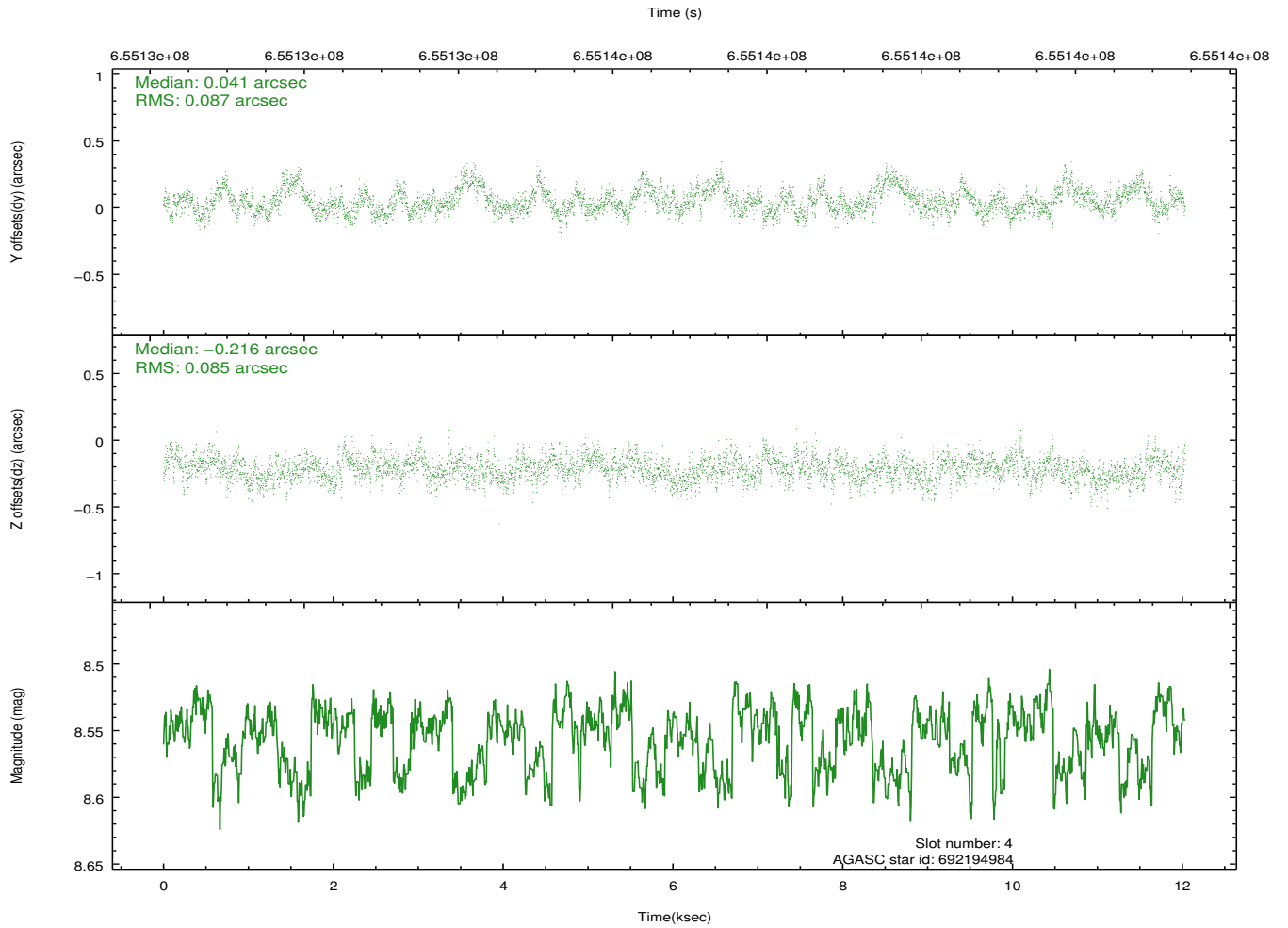
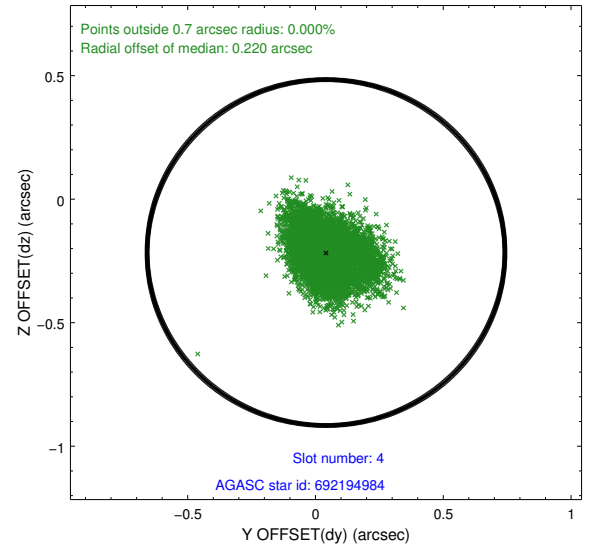
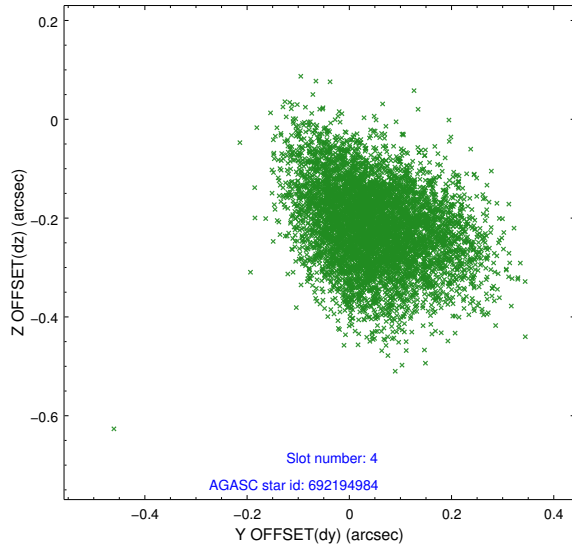
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.20	2936	1.000	0.184	-0.052	0.010	0.017	0.000000	0.000000	929.42	-1734
1	FID		ACIS-S-5	7.21	2936	1.000	-0.364	0.106	0.007	0.013	0.000000	0.000000	-1819.96	162
2	FID		ACIS-S-6	7.37	2936	1.000	0.158	-0.042	0.011	0.019	0.000000	0.000000	394.41	806
3	GUIDE	used	692192080	8.66	5864	1.000	-0.322	-0.288	0.156	0.245	33.468428	-7.959581	2334.48	2256
4	GUIDE	used	692194984	8.55	5870	1.000	0.041	-0.216	0.128	0.213	33.396193	-8.816350	-618.10	1337
5	GUIDE	used	692195824	9.55	5865	1.000	-0.283	-0.121	0.230	0.391	33.467729	-8.532649	422.14	1484
6	GUIDE	used	692198008	9.00	5858	1.000	0.307	0.275	0.145	0.243	33.923851	-9.013123	-571.98	-667
7	GUIDE	used	692209136	6.99	5871	1.000	0.223	0.347	0.129	0.206	33.867961	-9.466527	-2160.69	-1094

2.4 Star Slots

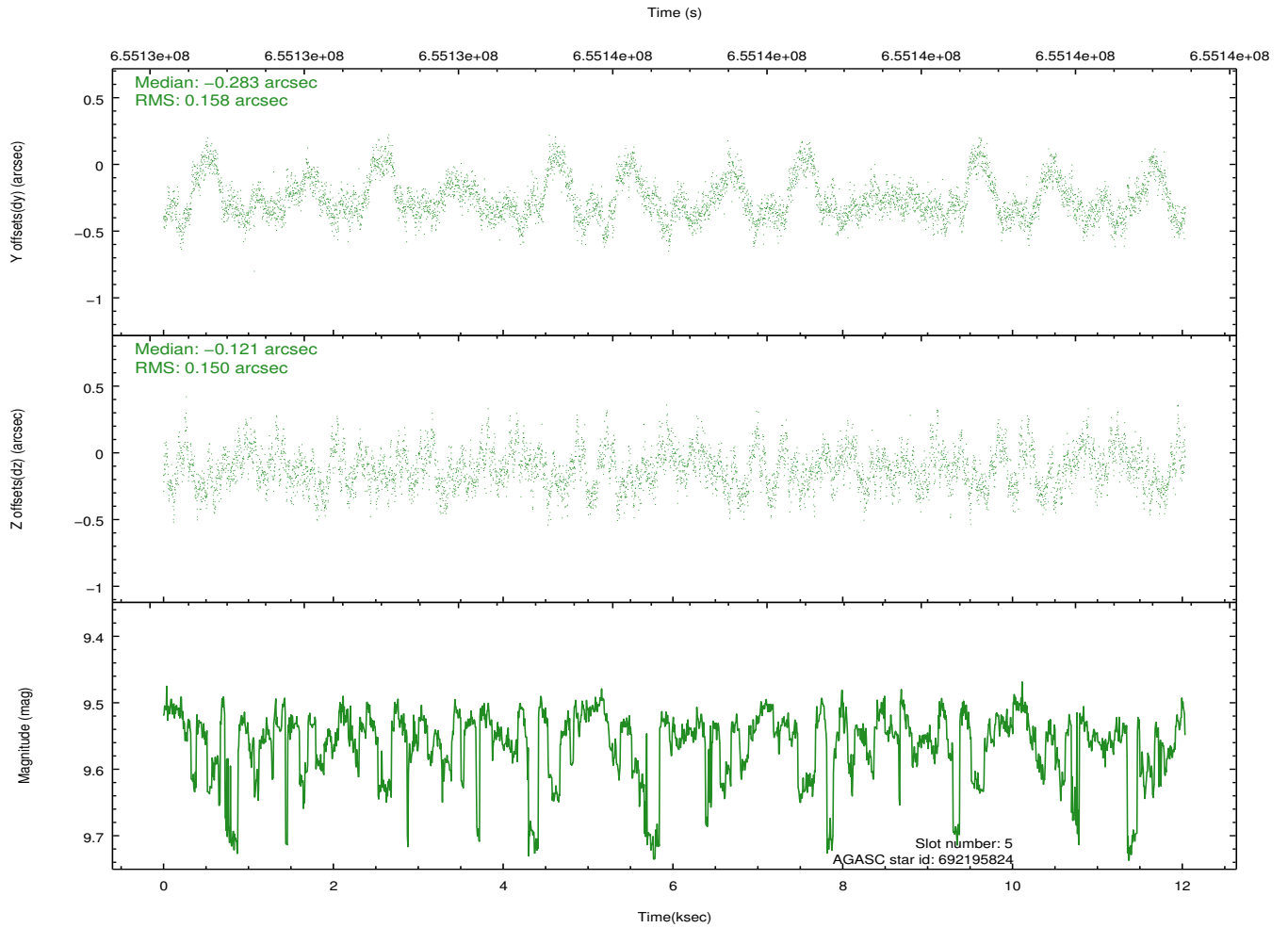
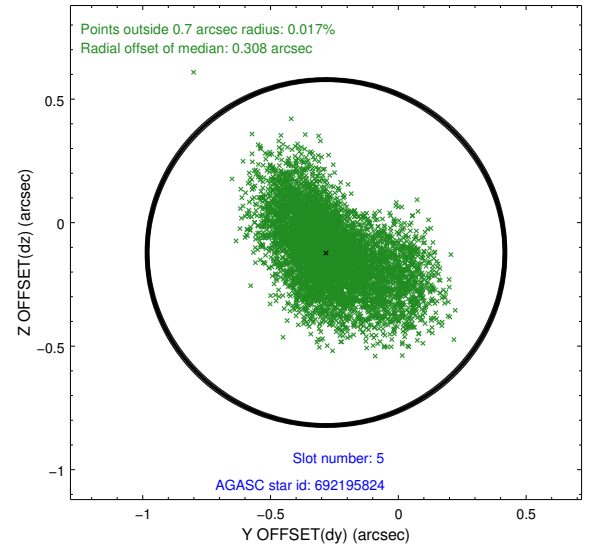
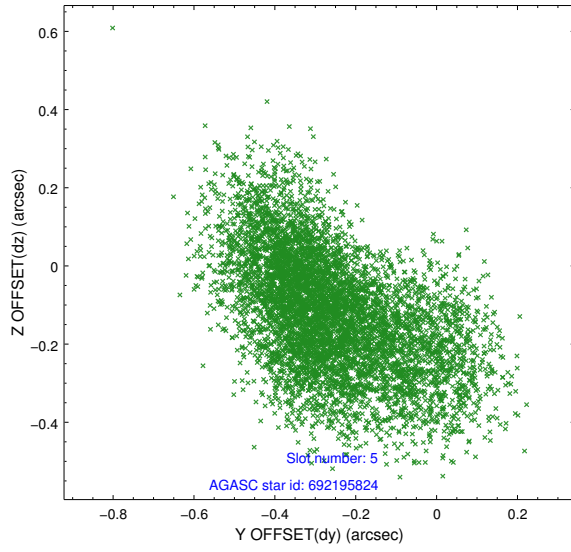
2.4.1 Slot 3



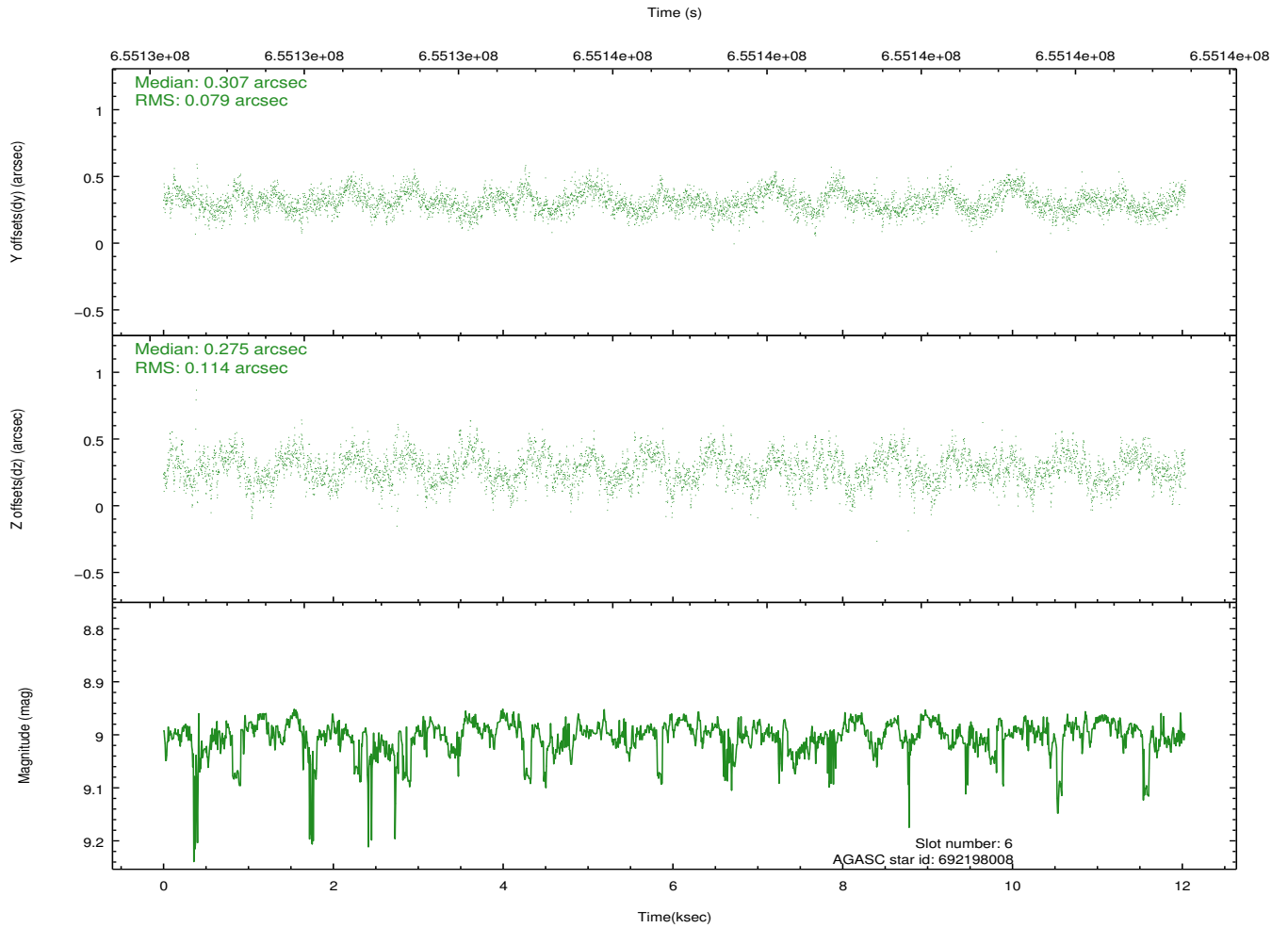
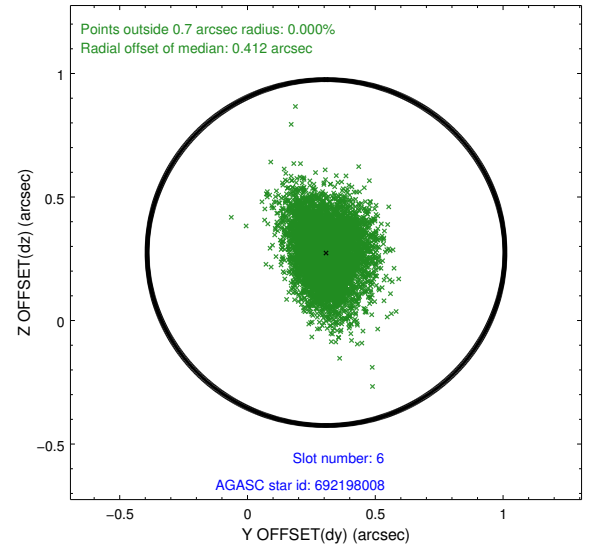
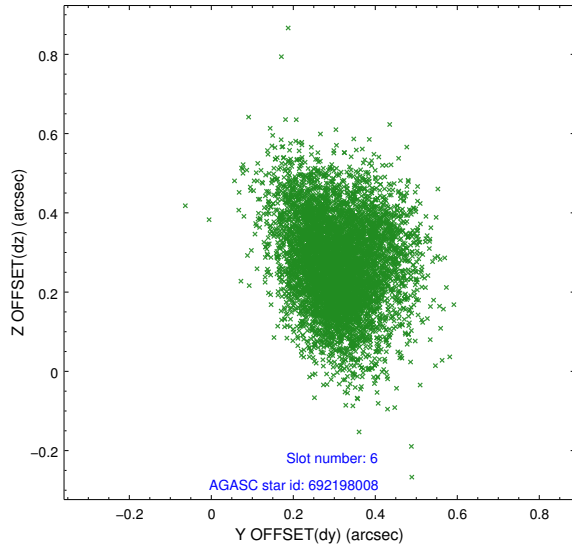
2.4.2 Slot 4



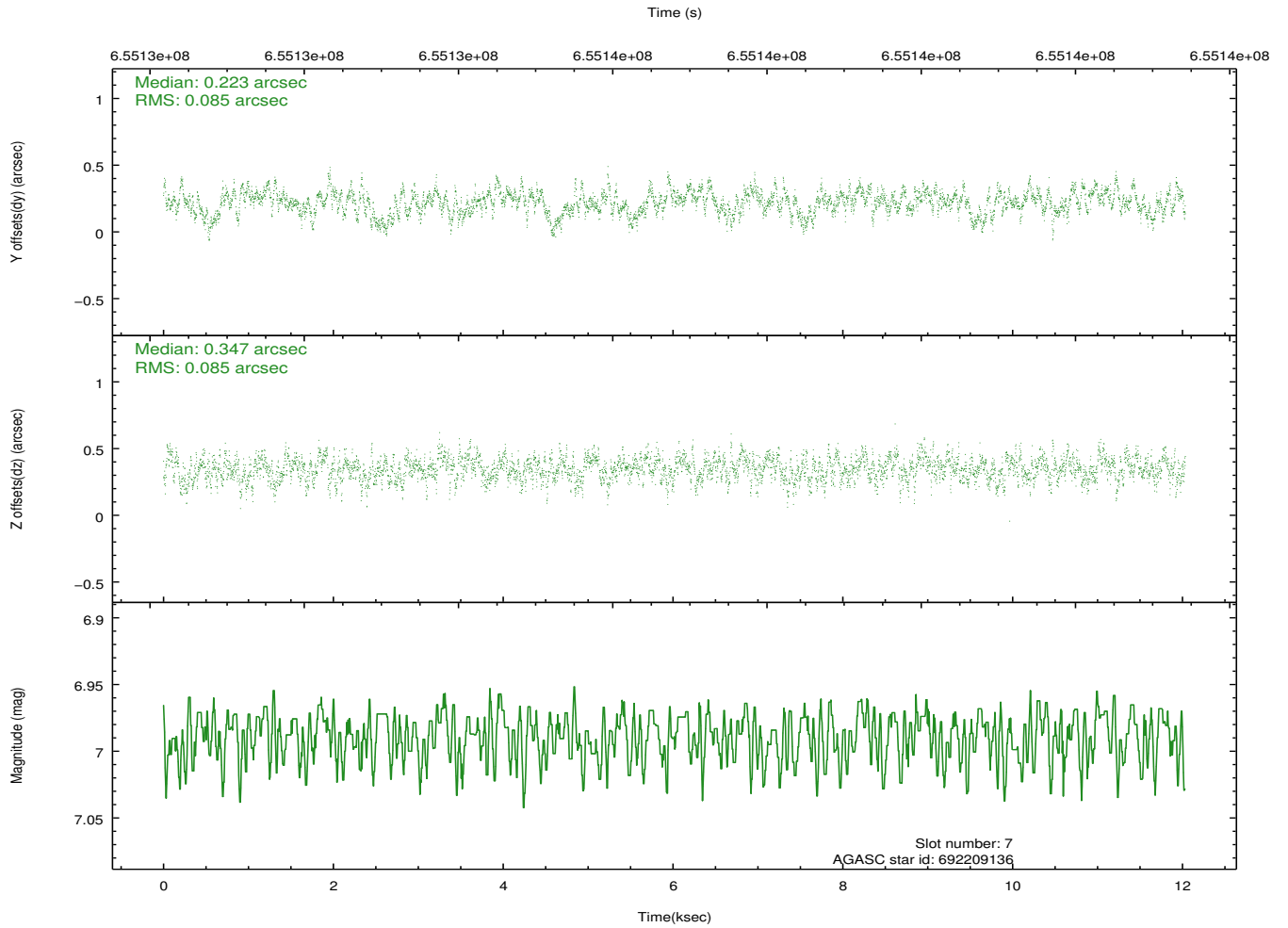
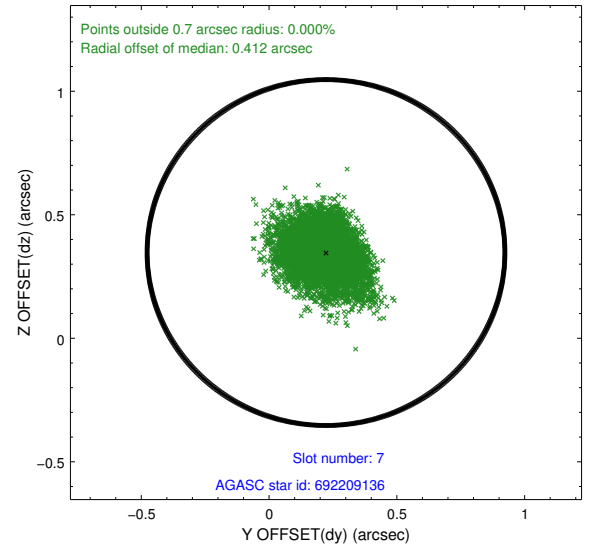
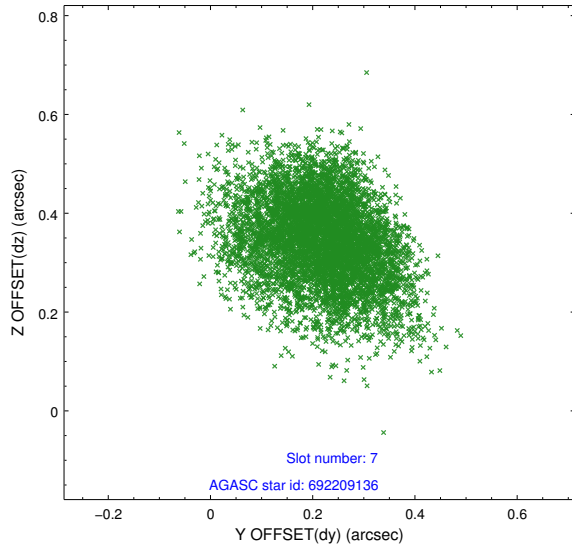
2.4.3 Slot 5



2.4.4 Slot 6

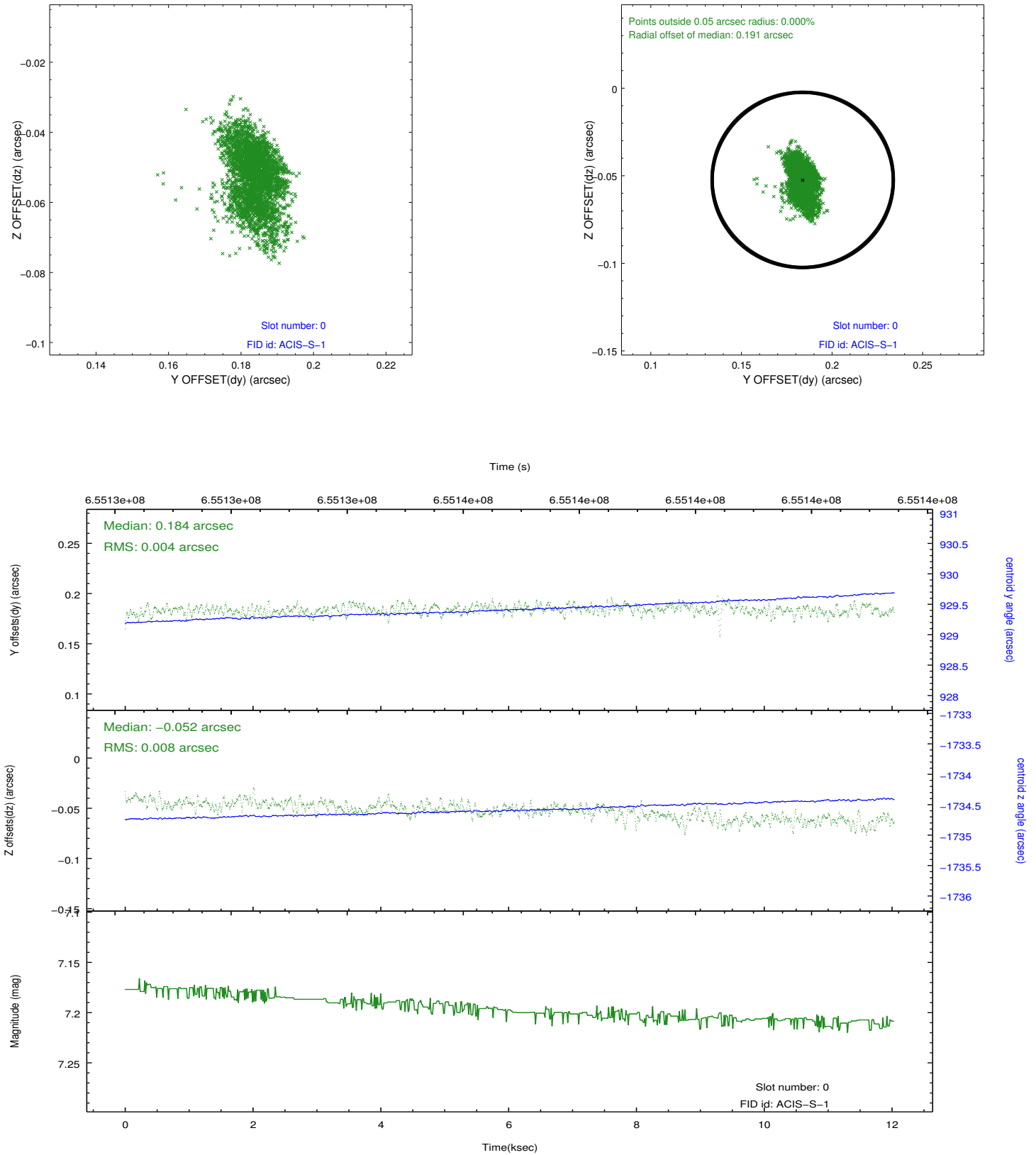


2.4.5 Slot 7

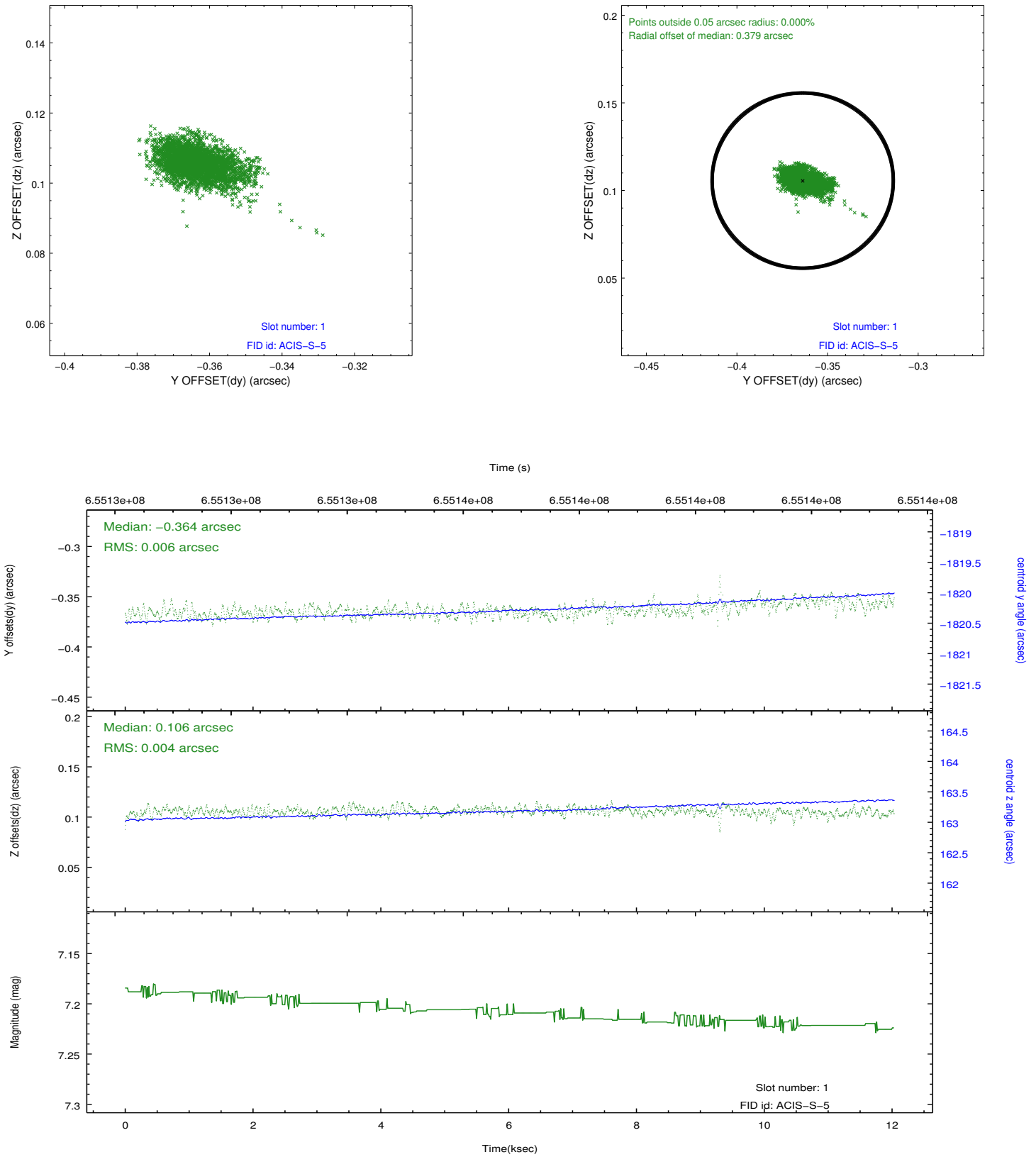


2.5 FID Slots

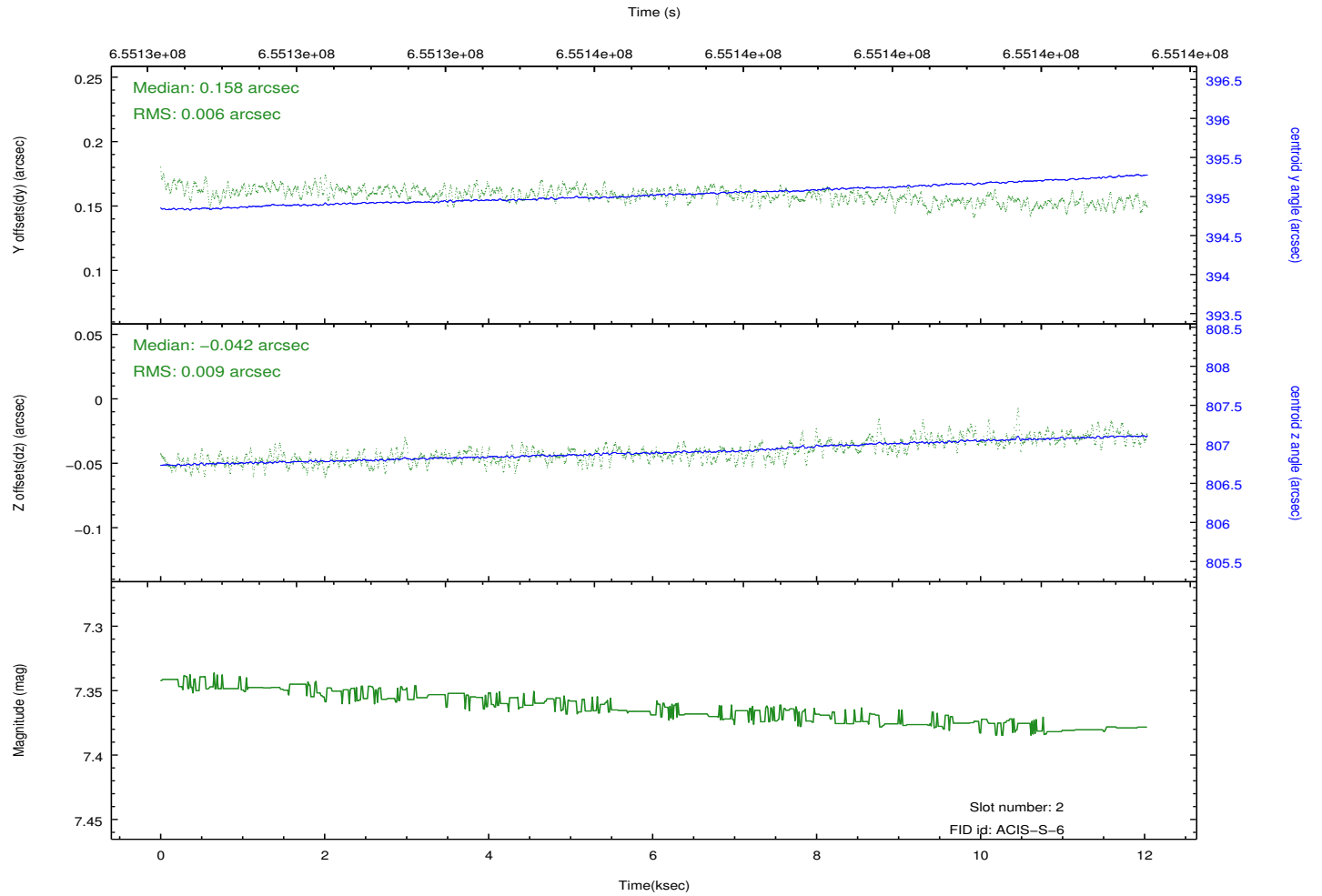
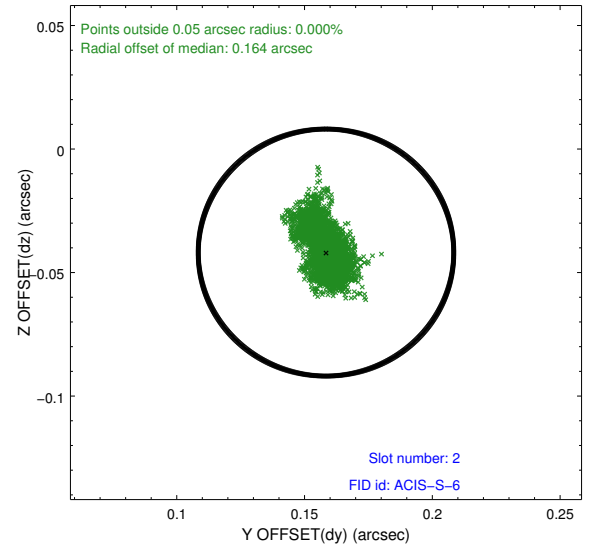
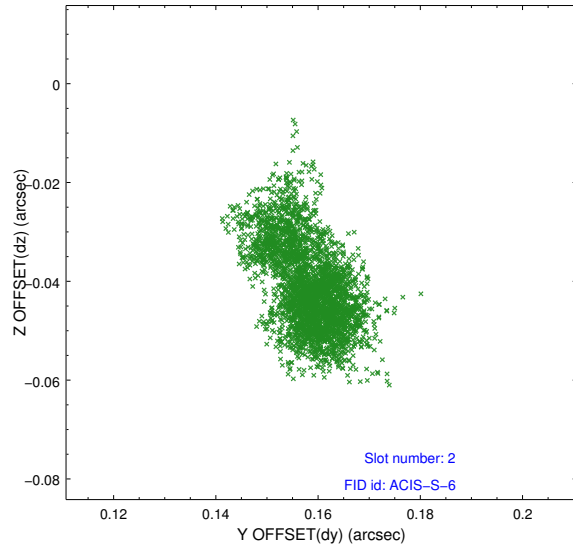
2.5.1 Slot 0



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)	2018.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.94

A.2 Comments

Two optional chips were dropped.