

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19644 - L2 Version 1
Chandra X-Ray Center

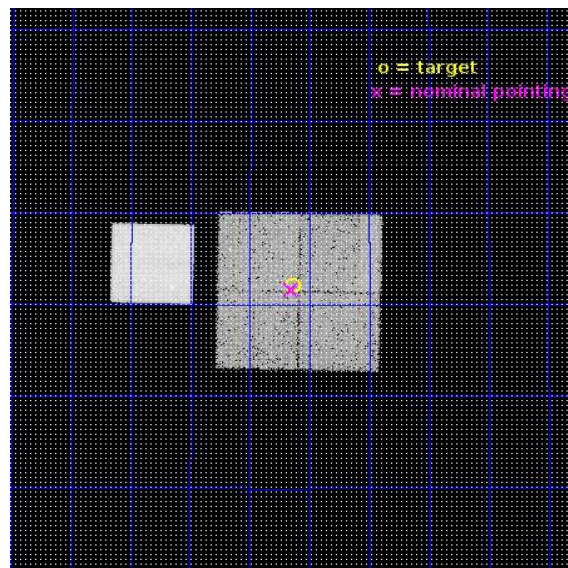
L2 Processing Date : Aug 17 2017

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1 Front

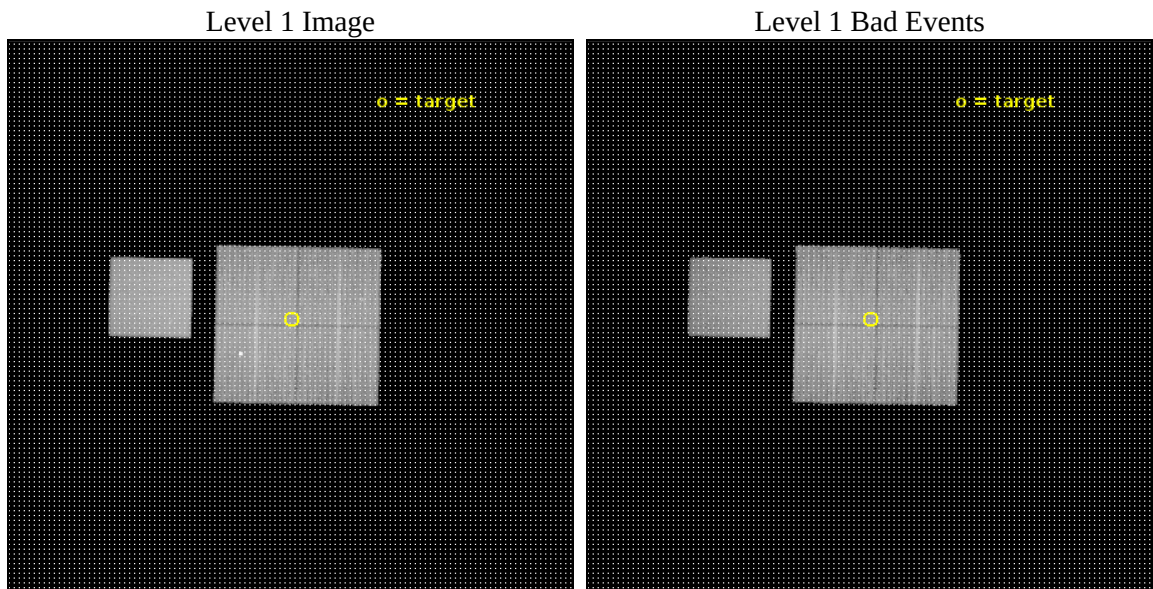
seq_num	901351	Sequence number
obs_id	19644	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.15868	Observer's specified target RA [deg]
dec_targ	33.700847	Observer's specified target Dec [deg]
ra_nom	218.1630039682	Nominal RA [deg]
dec_nom	33.694140270234	Nominal Dec [deg]
roll_nom	271.20629980474	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25056.049943328	Sum of GTIs [s]
livetime	24728.674204823	Livetime [s]
ontime0	25049.644792795	Sum of GTIs [s]
ontime1	25049.685832739	Sum of GTIs [s]
ontime2	25049.726822734	Sum of GTIs [s]
ontime3	25056.049943328	Sum of GTIs [s]
ontime7	25056.090983272	Sum of GTIs [s]
l2events	158574	Number of level 2 events



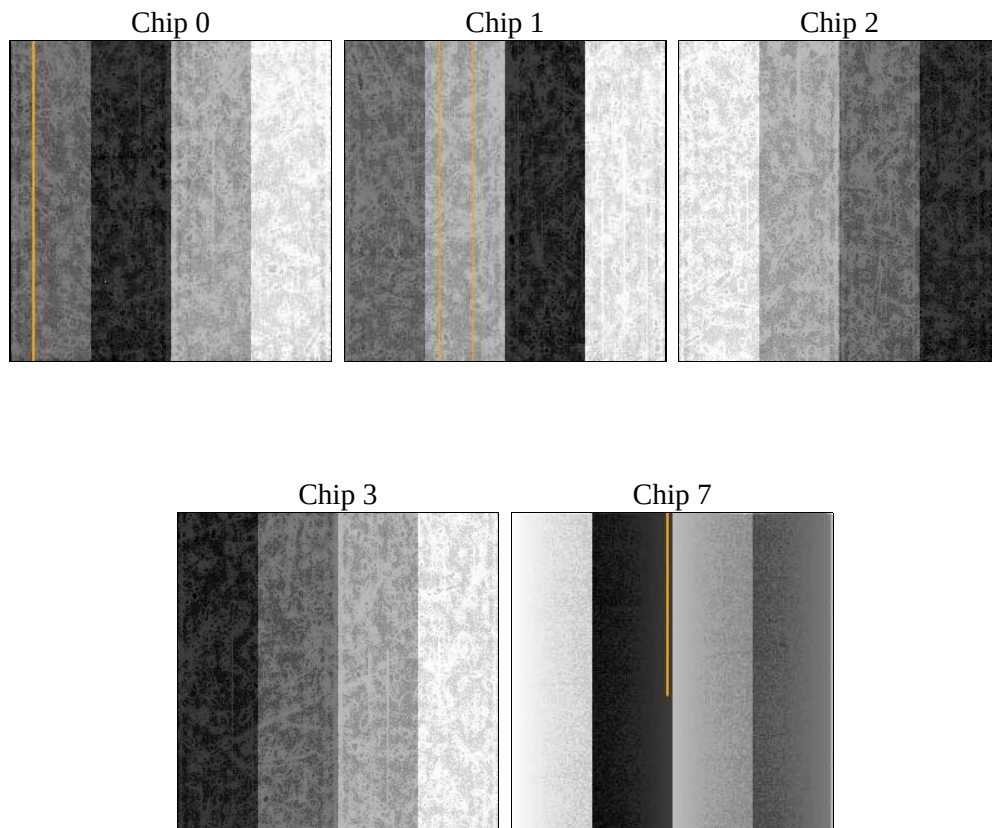
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	25056.049943328	Sum of GTIs [s]
caldsver	4.7.5	 	ontime0	25049.644792795	Sum of GTIs [s]
date	2017-08-17T04:18:54	Date and time of file creation	ontime1	25049.685832739	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25049.726822734	Sum of GTIs [s]
			ontime3	25056.049943328	Sum of GTIs [s]
			ontime7	25056.090983272	Sum of GTIs [s]
			l1events	906290	Number of level 1 events

2.1.4 Events

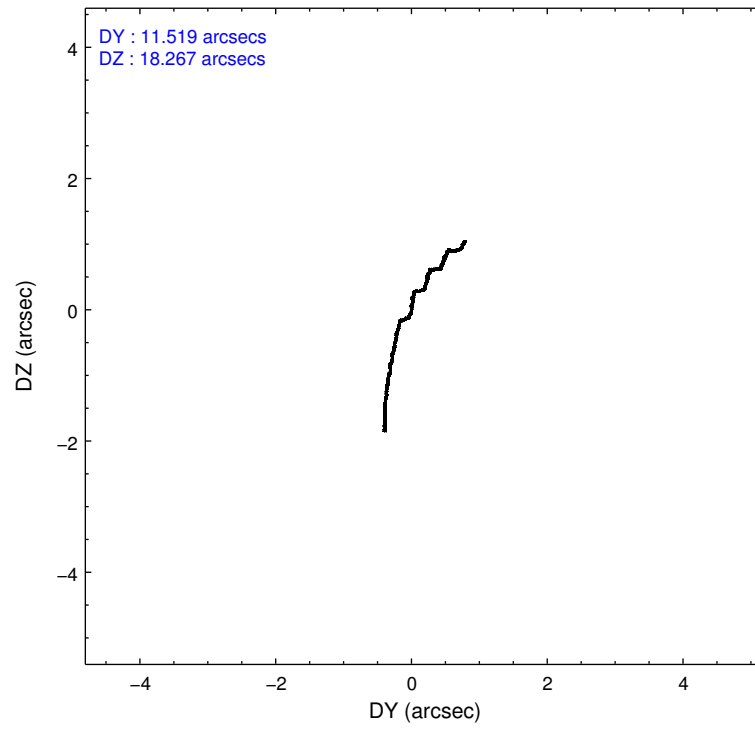
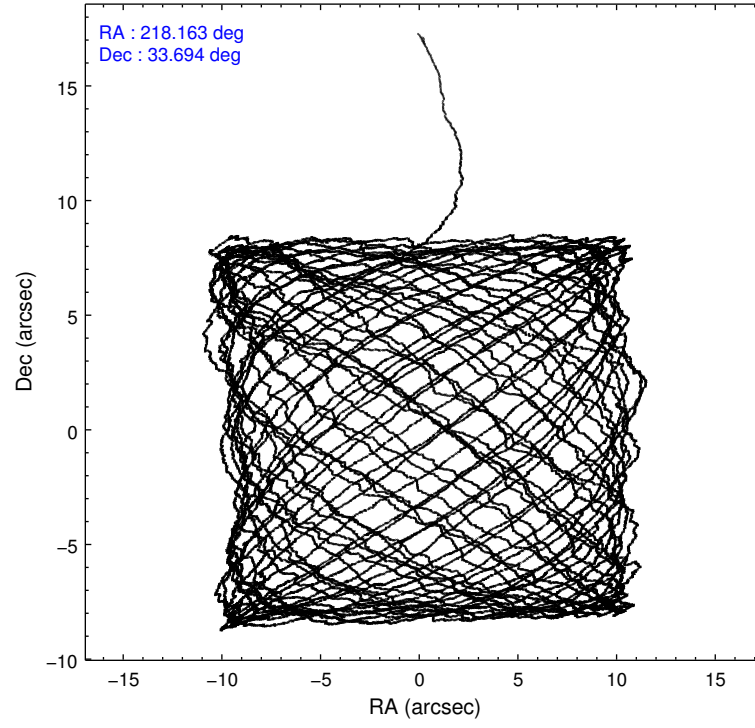
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	162215	161713	185965	172401	223996
rejected events	143286	140416	159990	153678	127137
rejected %	88%	86%	86%	89%	56%

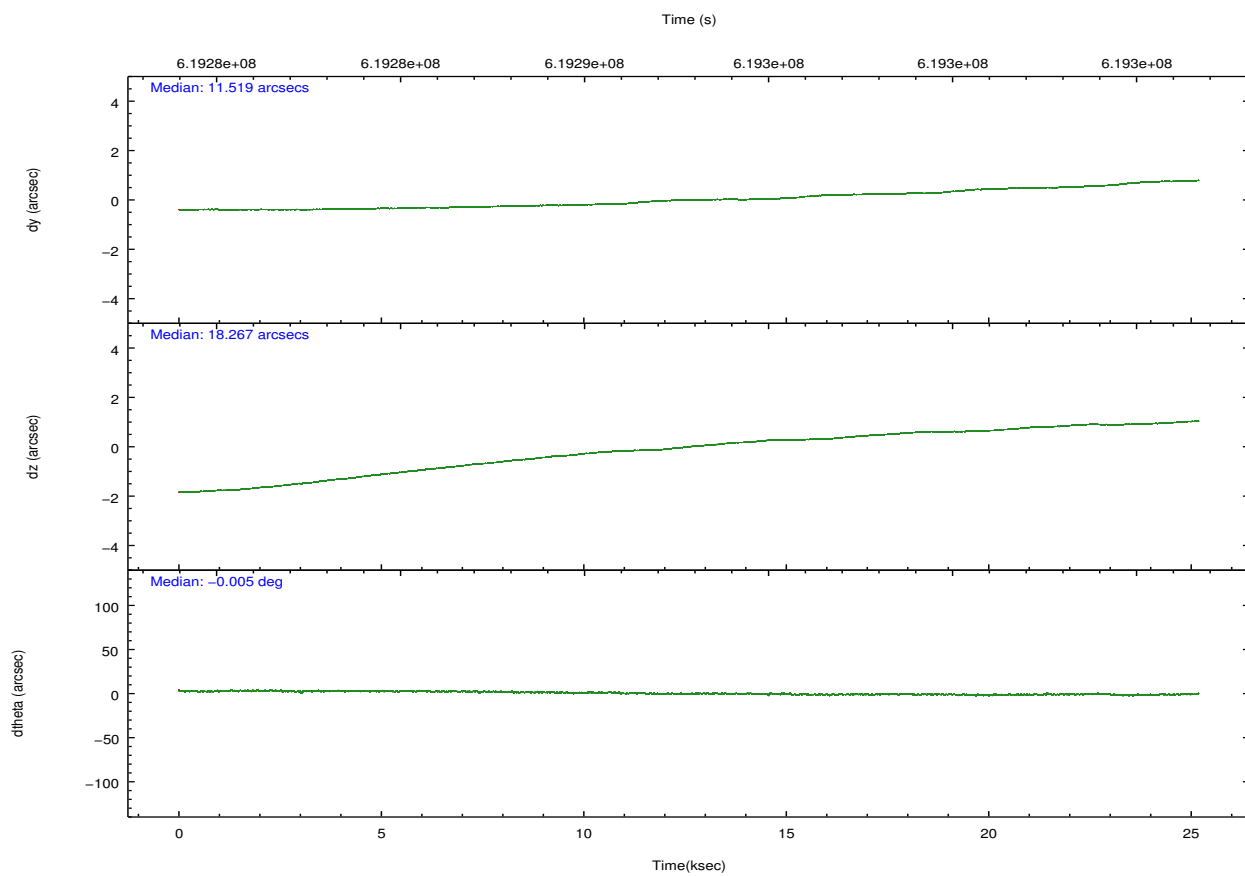
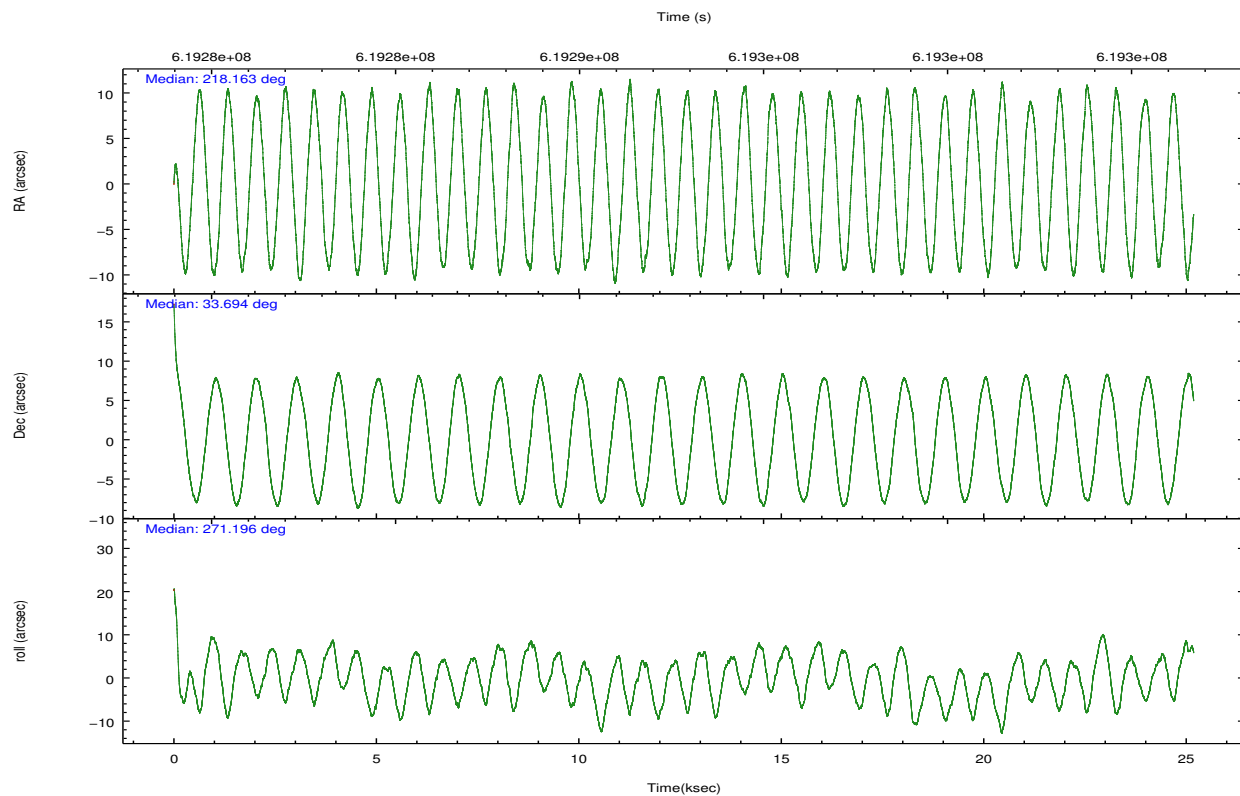
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6201	7058	14024	6756	8325
	3%	4%	7%	3%	3%
grade 1 events	78	88	177	100	327
	0%	0%	0%	0%	0%
grade 2 events	4777	5452	4462	4033	20310
	2%	3%	2%	2%	9%
grade 3 events	1958	1906	1821	1957	7788
	1%	1%	0%	1%	3%
grade 4 events	1829	1947	1845	1908	7861
	1%	1%	0%	1%	3%
grade 5 events	7033	7548	6872	8260	22681
	4%	4%	3%	4%	10%
grade 6 events	4166	4937	3831	4073	52595
	2%	3%	2%	2%	23%
grade 7 events	136173	132777	152933	145314	104109
	83%	82%	82%	84%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	218.145730	218.1630039681989	CCD I2 on	Y	Y
[deg] Pointing Dec	33.717673	33.69414027023423	CCD I3 on	Y	Y
[deg] Pointing Roll	271.007192	271.2062998047361	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	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	619280414.184000	619279115.60614	CCD S5 on	N	N
Observation start date	2017-08-16T14:19:05	2017-08-16T13:58:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	619305414.184000	619305606.22019	On-chip summing requested	N	N
Observation end date	2017-08-16T21:15:45	2017-08-16T21:20:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



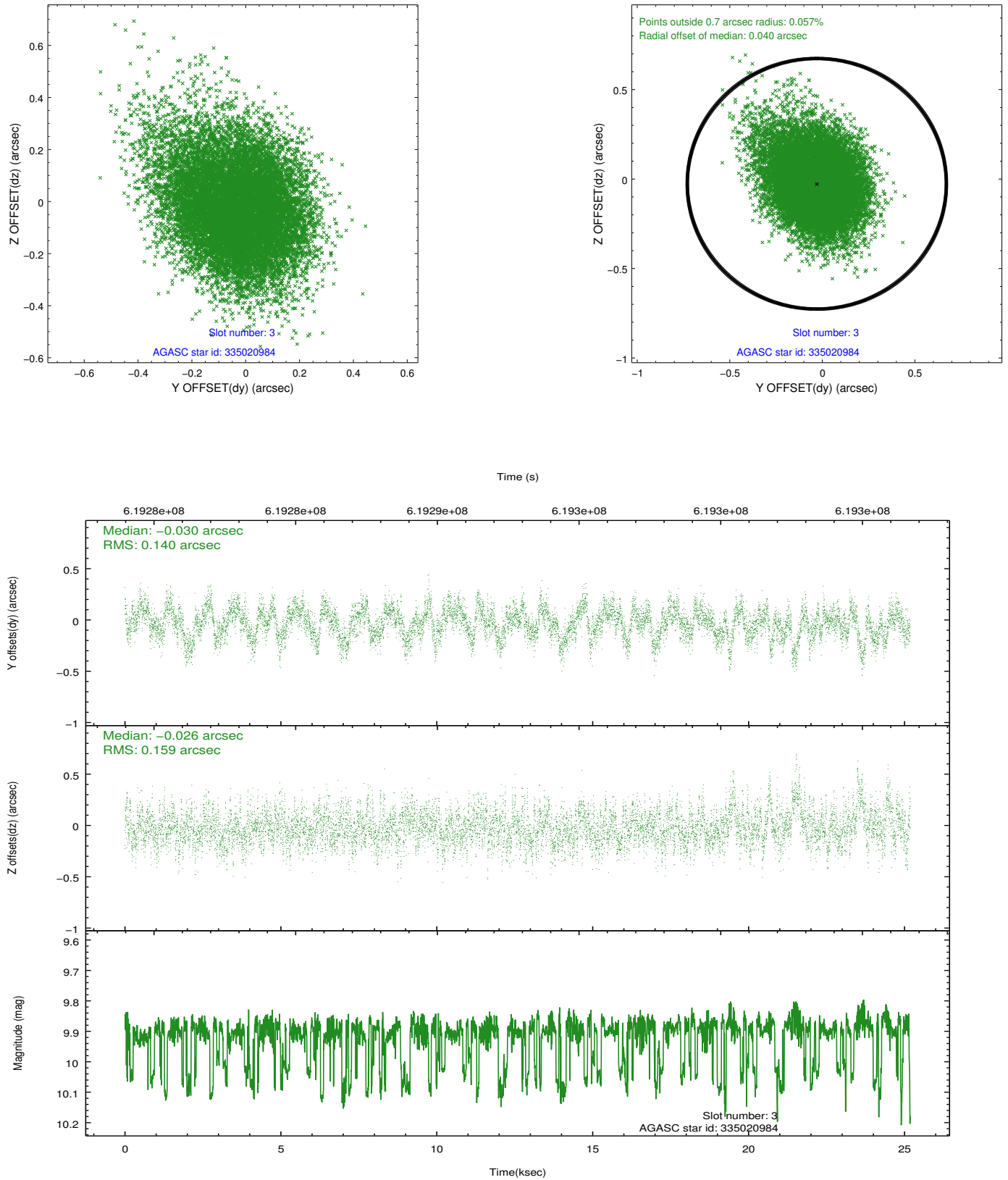


Slot Statistics

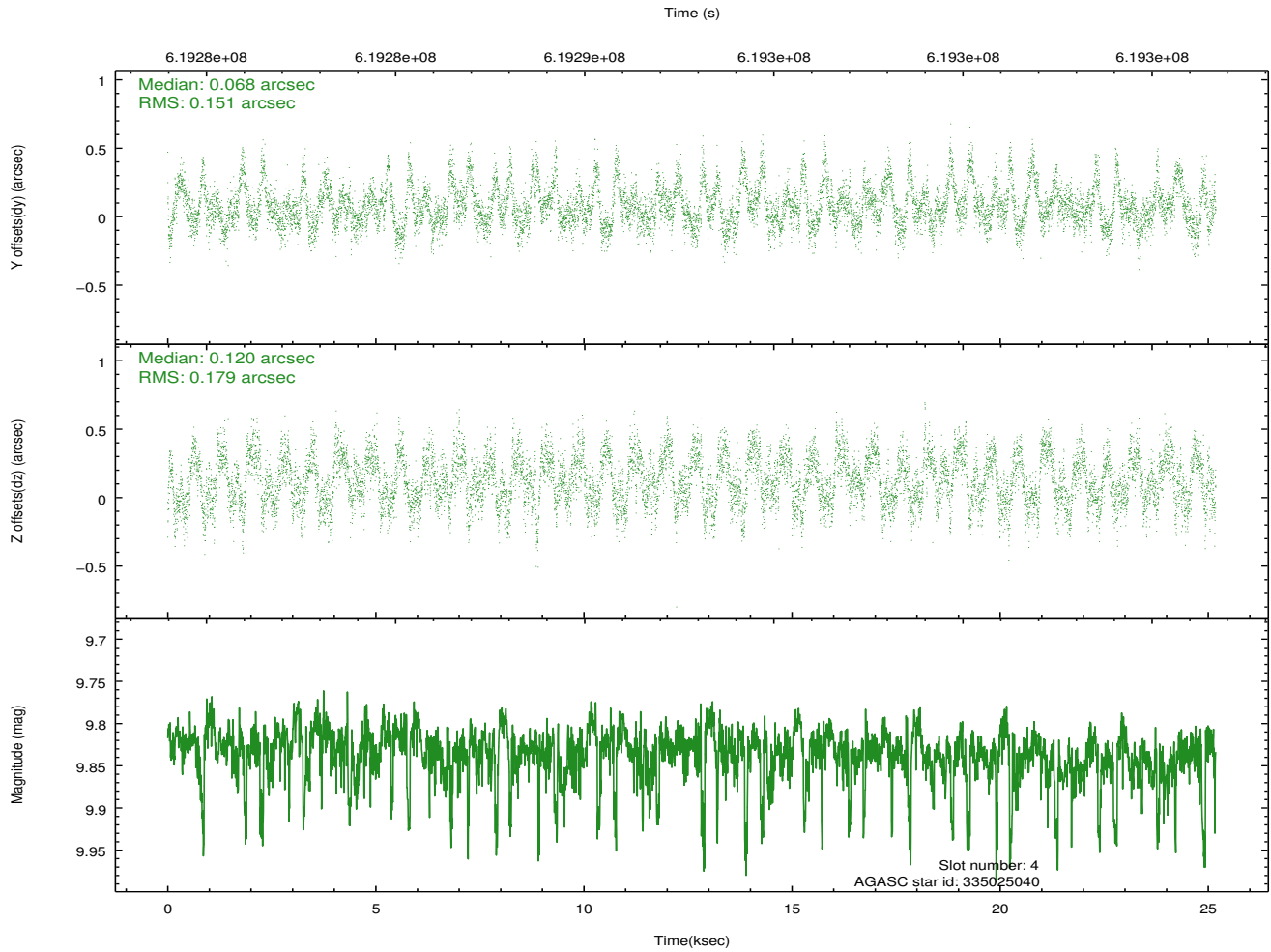
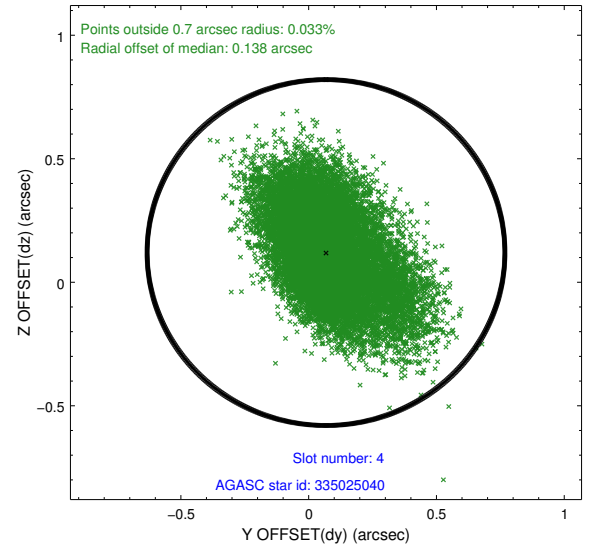
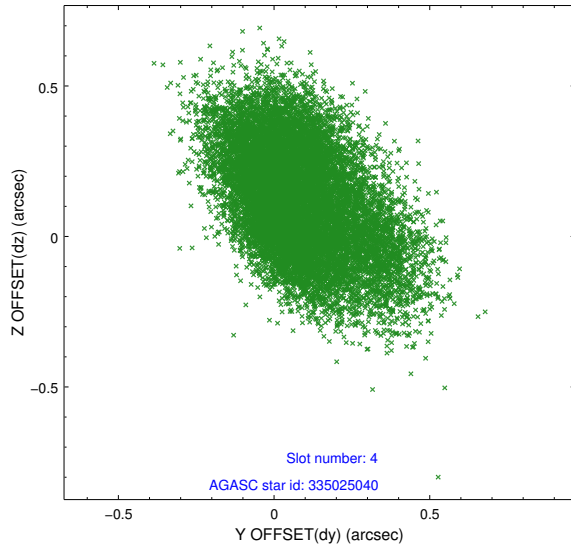
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.23	6142	0.060	-0.002	0.024	0.084	0.000000	0.000000	928.10	-841.76
1	FID		ACIS-I-5	7.24	6143	-0.317	0.038	0.011	0.020	0.000000	0.000000	-1820.41	1055.61
2	FID		ACIS-I-6	7.23	6142	0.165	0.035	0.018	0.083	0.000000	0.000000	393.51	1700.35
3	GUIDE	used	335020984	9.91	12267	-0.030	-0.026	0.221	0.369	218.841668	33.815112	-323.32	2086.08
4	GUIDE	used	335025040	9.83	12264	0.068	0.120	0.248	0.407	218.601670	34.305240	-2093.92	1393.05
5	GUIDE	used	335025848	9.65	12261	0.034	-0.112	0.233	0.364	217.530531	33.778292	-255.47	-1836.51
6	GUIDE	used	335028616	9.89	12262	-0.140	-0.126	0.288	0.451	218.529874	33.175085	1972.96	1123.76
7	GUIDE	used	335029384	8.47	12277	0.014	0.130	0.154	0.255	217.848061	33.088477	2249.03	-936.34

2.4 Star Slots

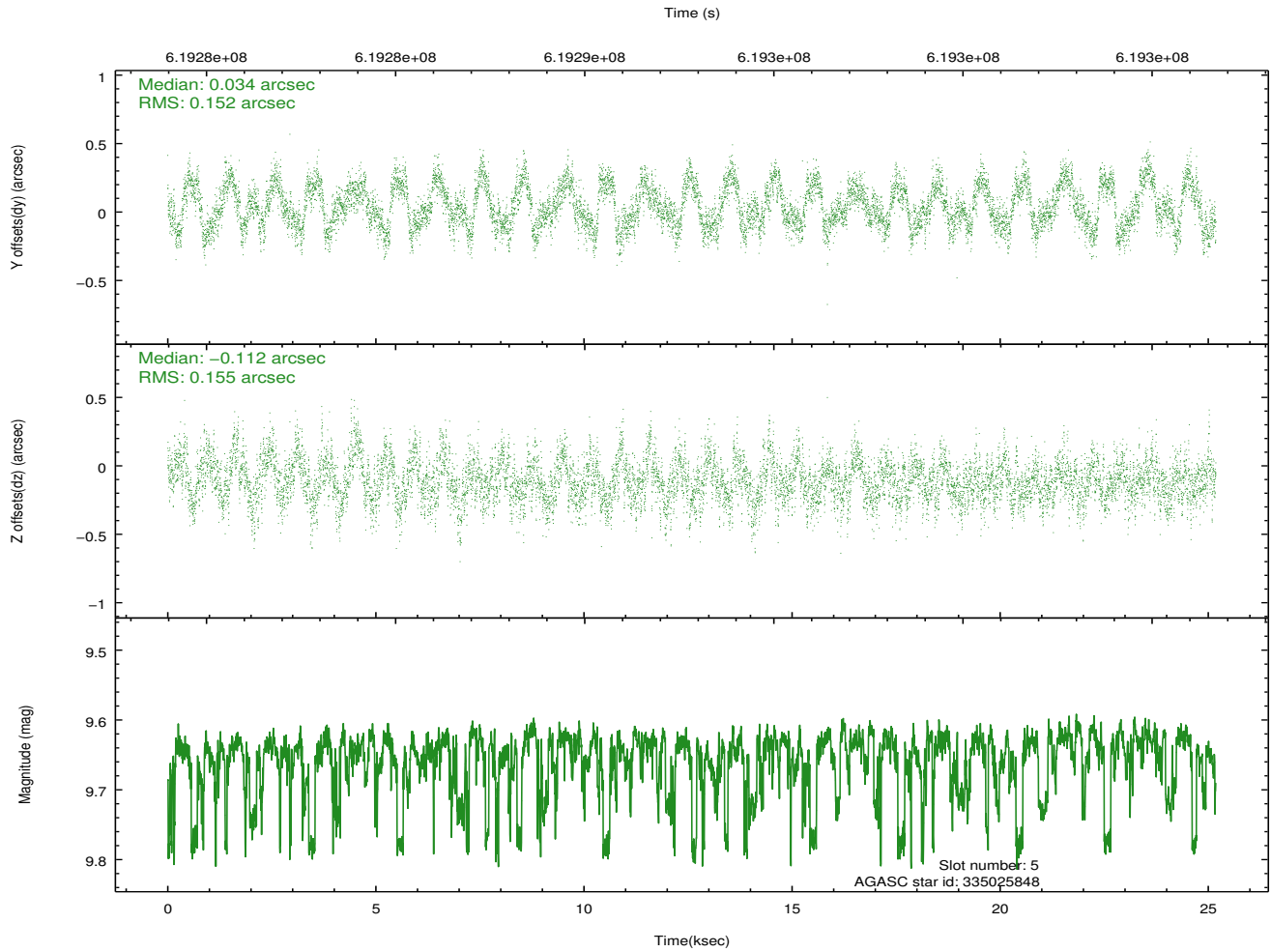
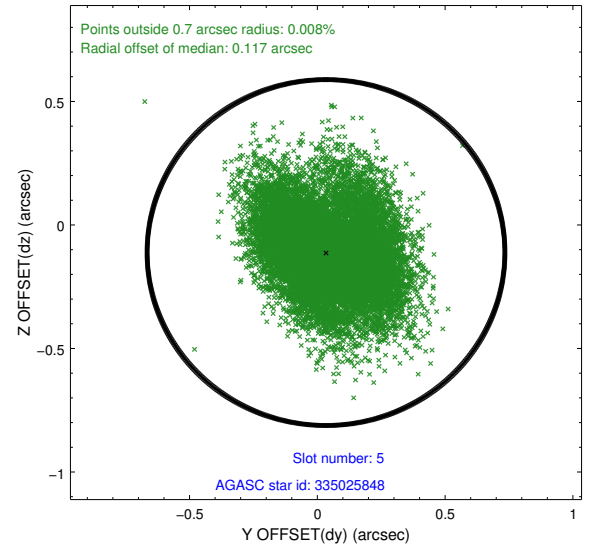
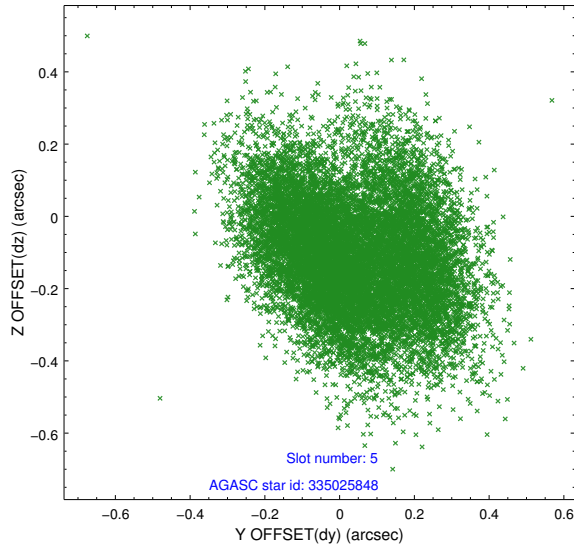
2.4.1 Slot 3



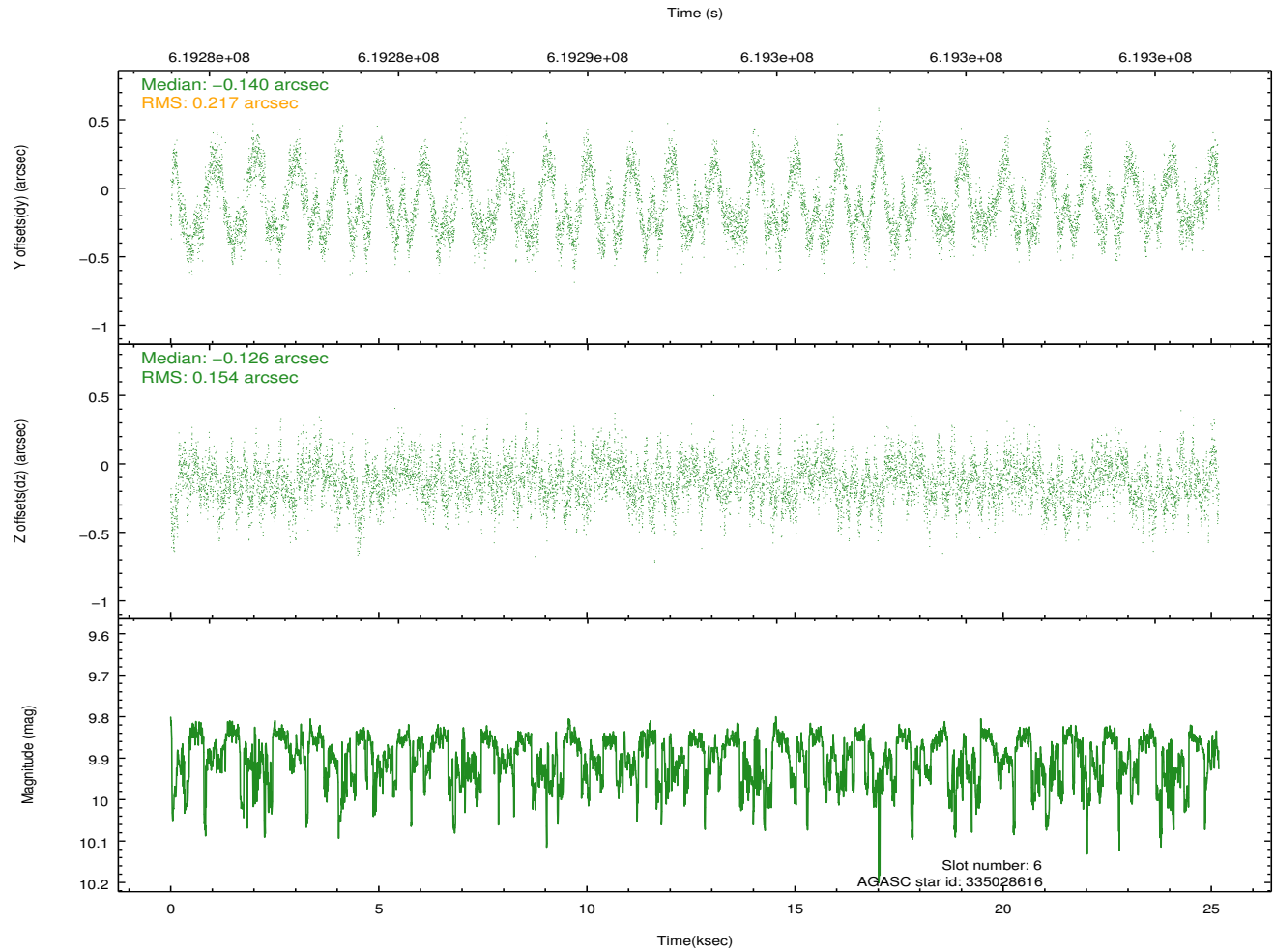
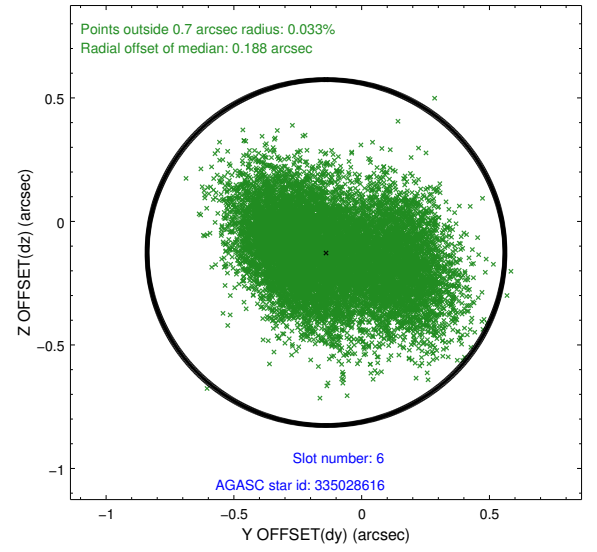
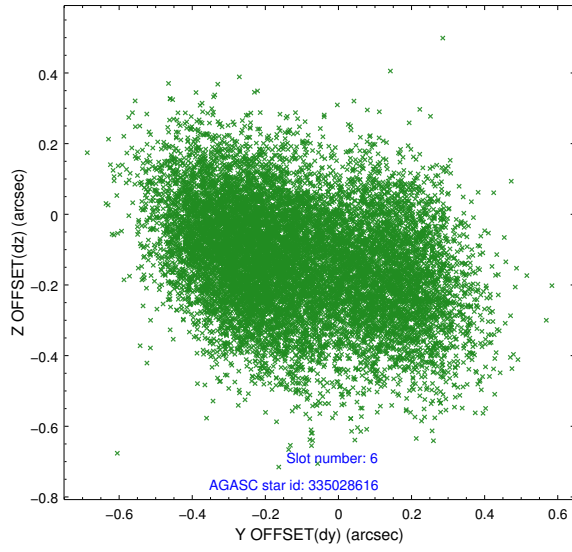
2.4.2 Slot 4



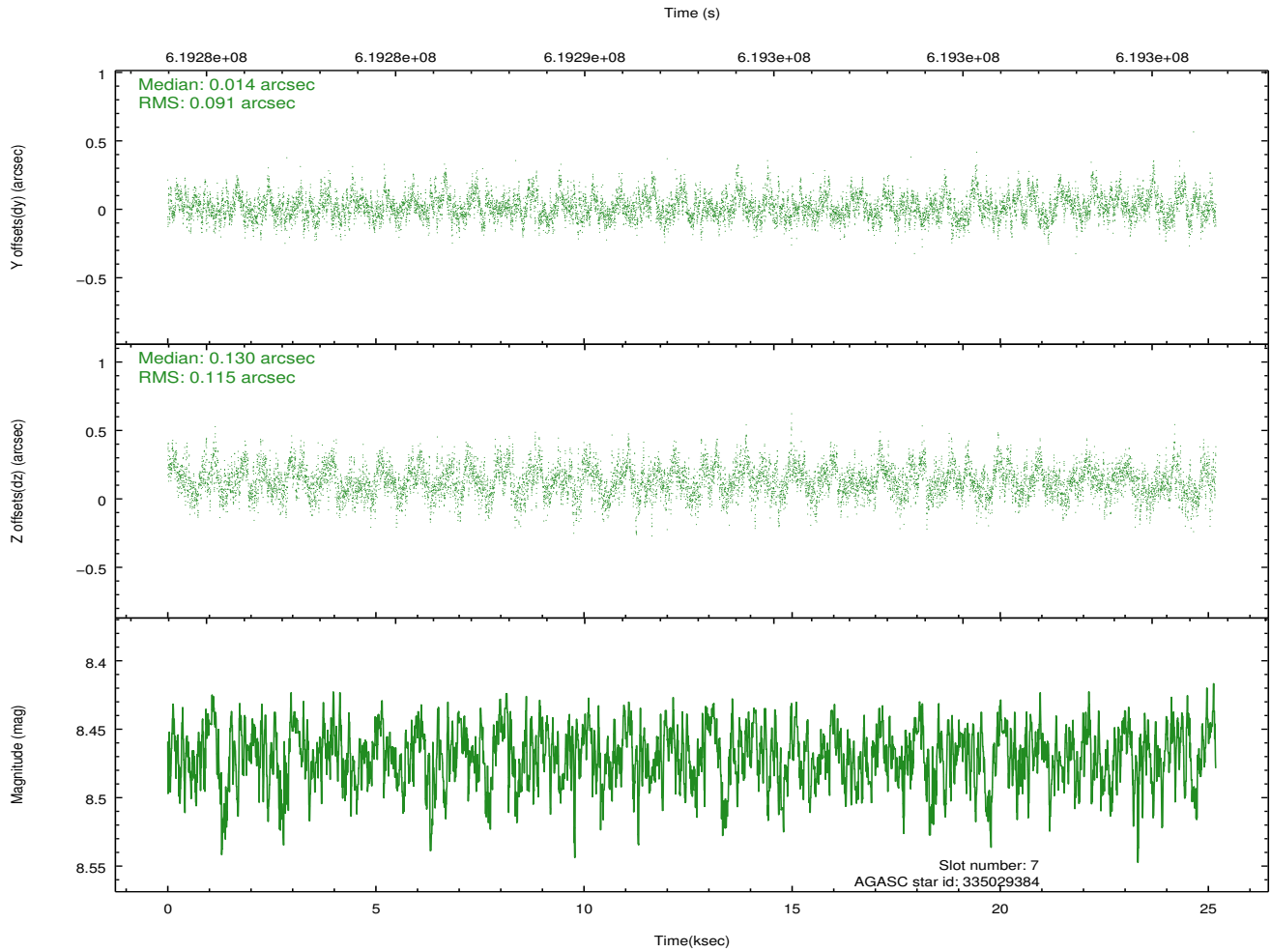
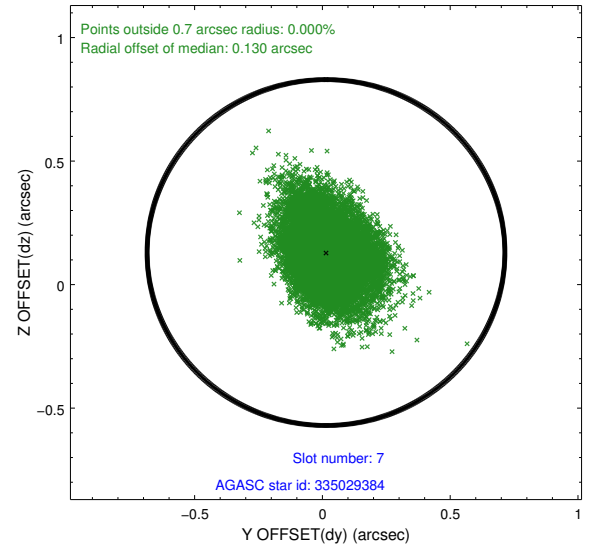
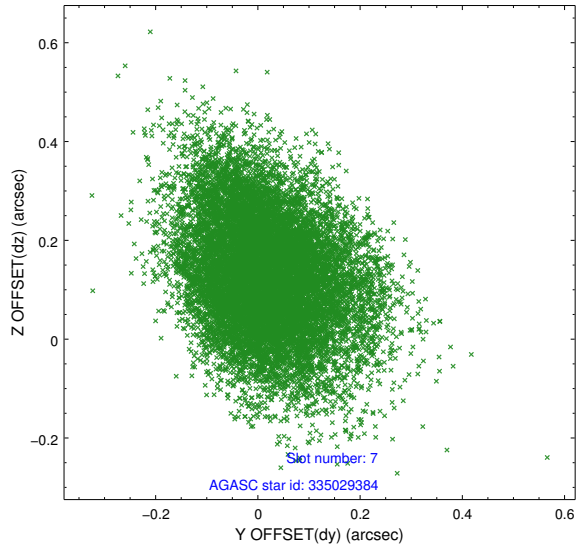
2.4.3 Slot 5



2.4.4 Slot 6

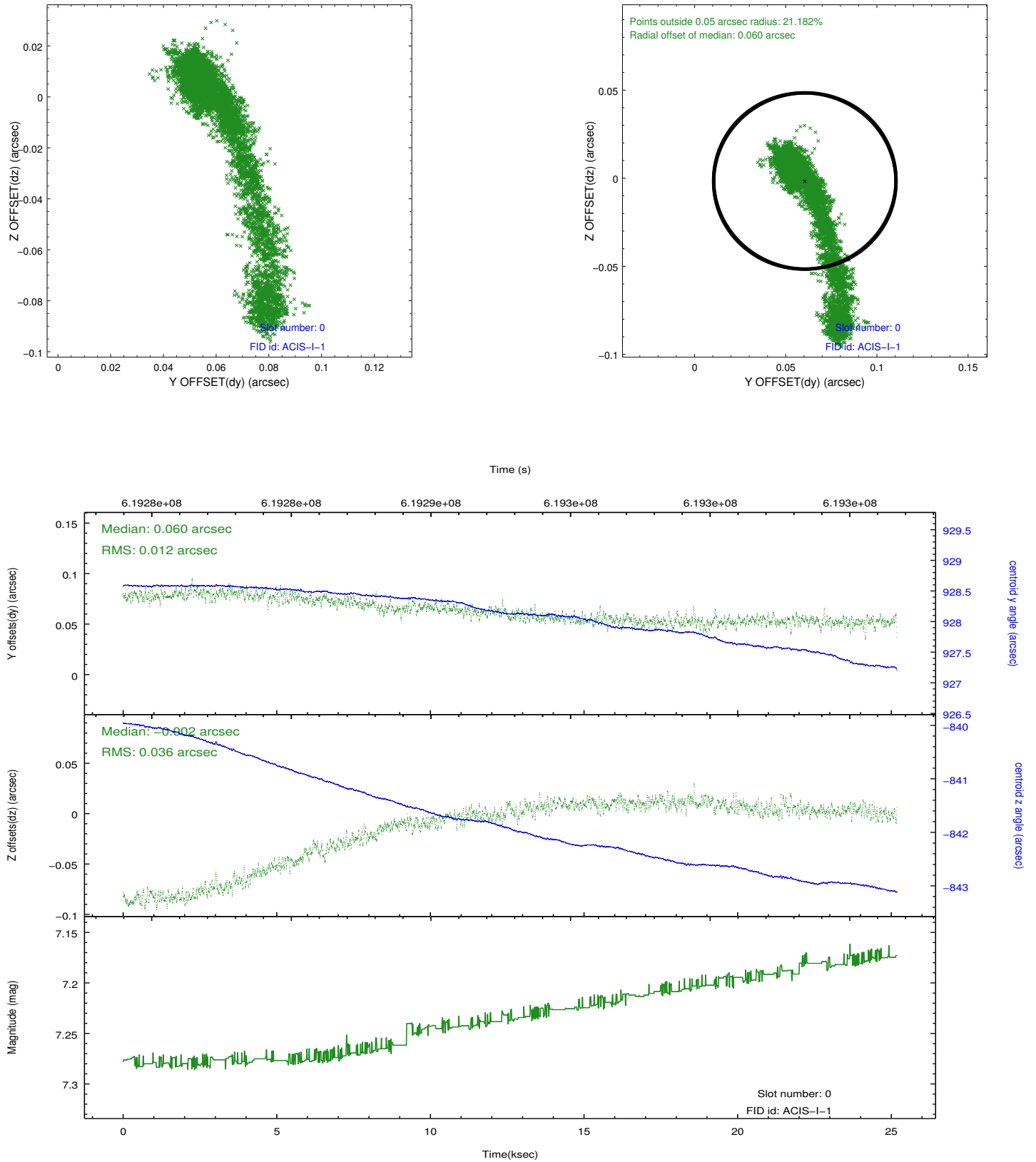


2.4.5 Slot 7

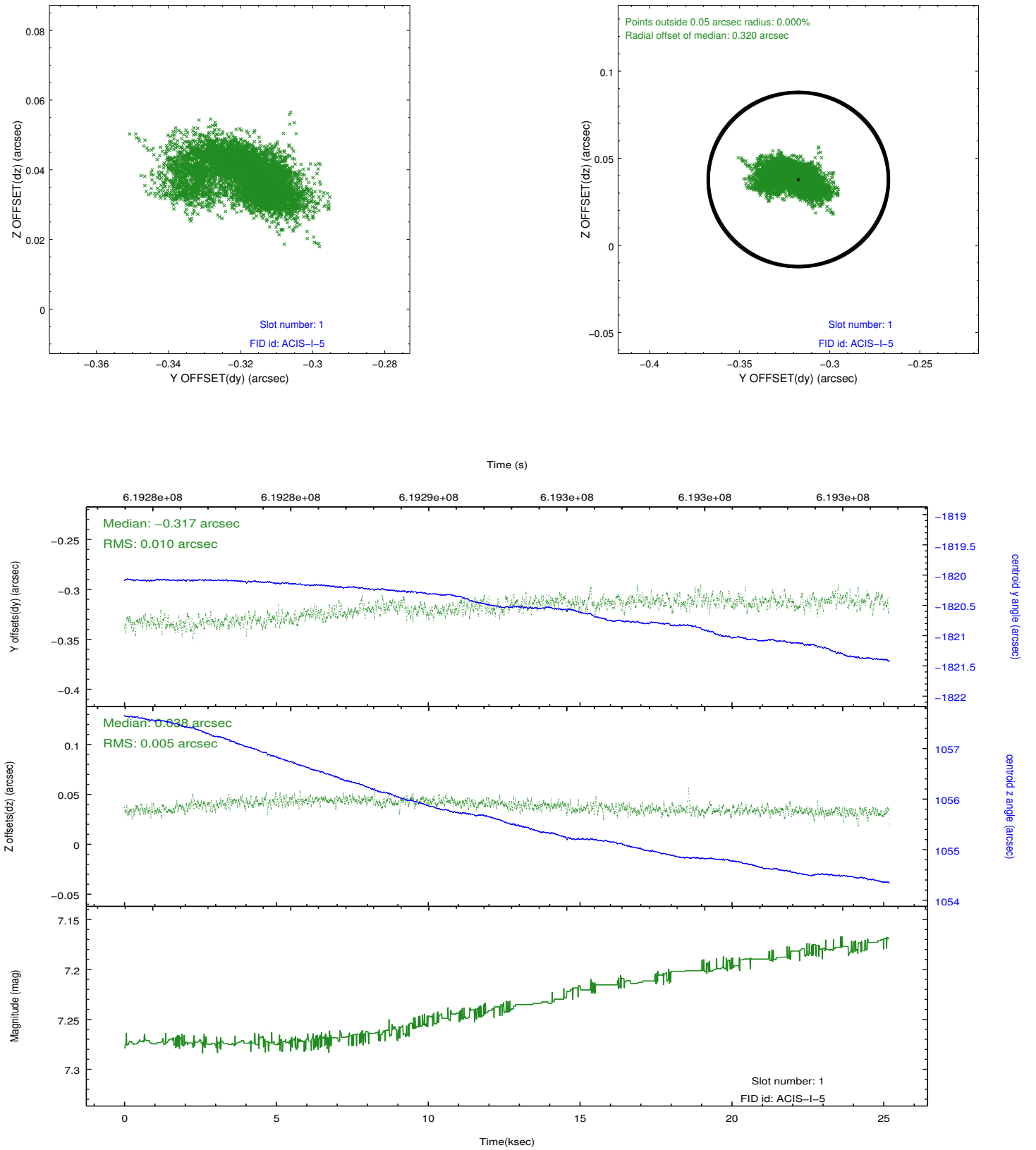


2.5 FID Slots

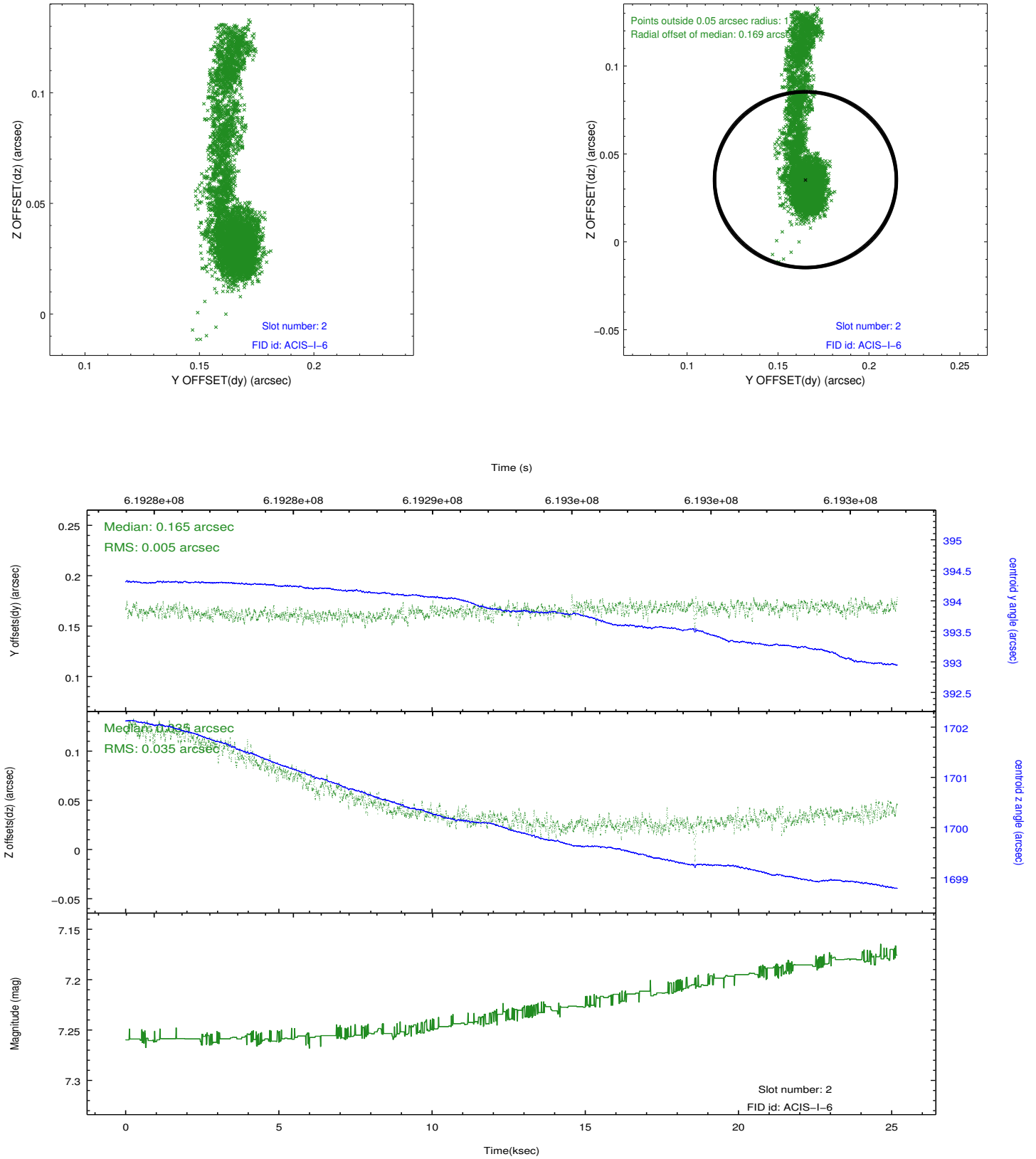
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.056049943328

A.2 Comments