

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19651 - L2 Version 1
Chandra X-Ray Center

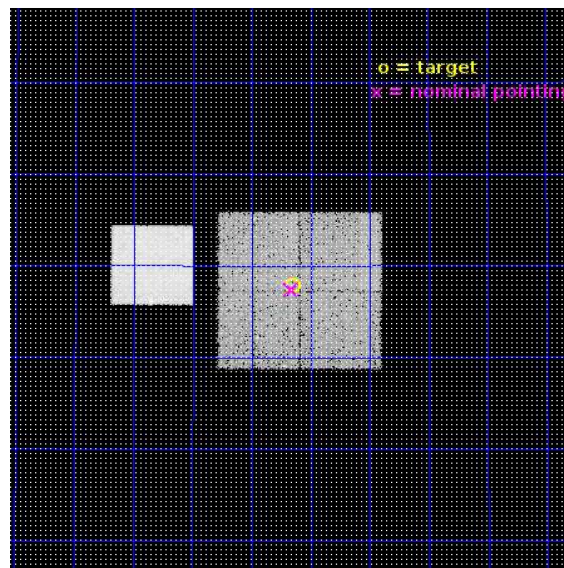
L2 Processing Date : Aug 23 2017

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1 Front

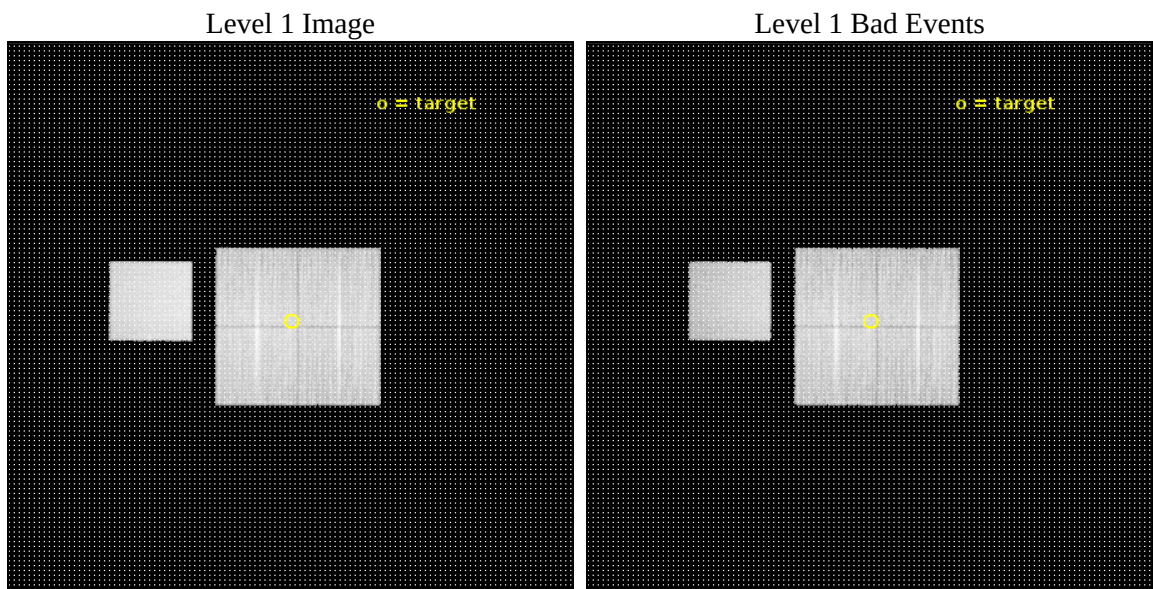
seq_num	901358	Sequence number
obs_id	19651	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.91023	Observer's specified target RA [deg]
dec_targ	34.631722	Observer's specified target Dec [deg]
ra_nom	218.91557701224	Nominal RA [deg]
dec_nom	34.62306094513	Nominal Dec [deg]
roll_nom	270.20564508531	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24772.100190639	Sum of GTIs [s]
livetime	24448.434464694	Livetime [s]
ontime0	24772.100190639	Sum of GTIs [s]
ontime1	24768.959220409	Sum of GTIs [s]
ontime2	24768.959230304	Sum of GTIs [s]
ontime3	24772.100190639	Sum of GTIs [s]
ontime7	24772.100190639	Sum of GTIs [s]
l2events	150850	Number of level 2 events



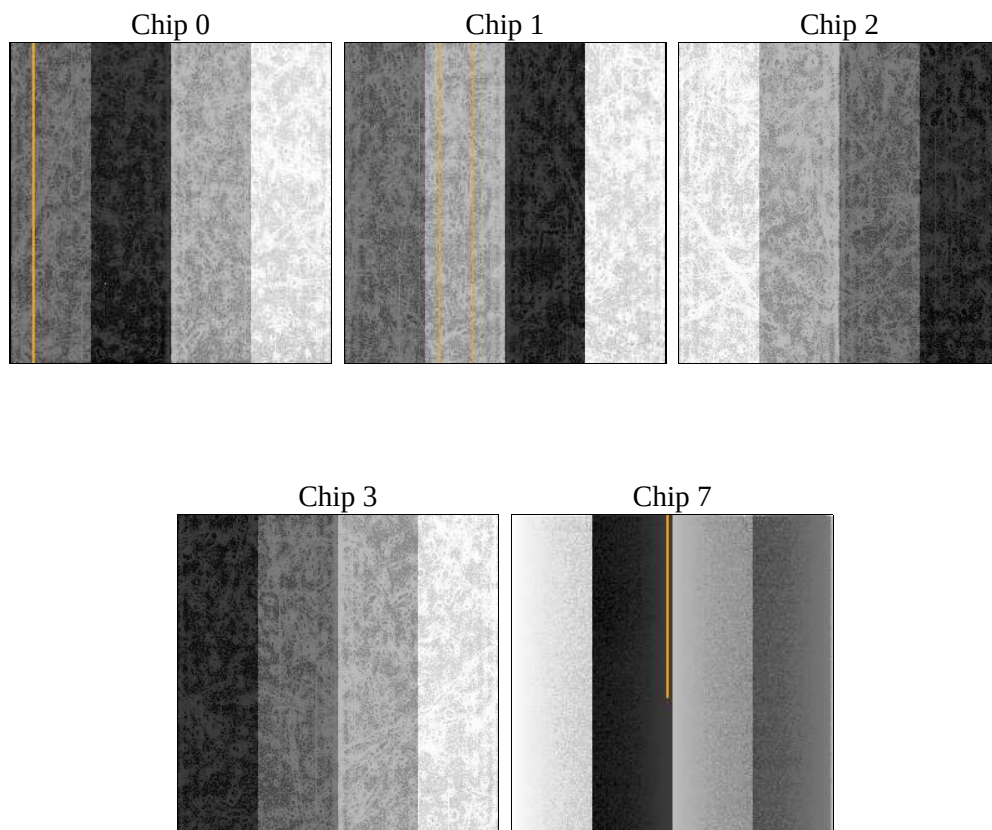
2 OBI

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	24772.100190639	Sum of GTIs [s]
caldbver	4.7.5	 	ontime0	24772.100190639	Sum of GTIs [s]
date	2017-08-23T04:04:55	Date and time of file creation	ontime1	24768.959220409	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	24768.959230304	Sum of GTIs [s]
			ontime3	24772.100190639	Sum of GTIs [s]
			ontime7	24772.100190639	Sum of GTIs [s]
			l1events	820616	Number of level 1 events

2.1.4 Events

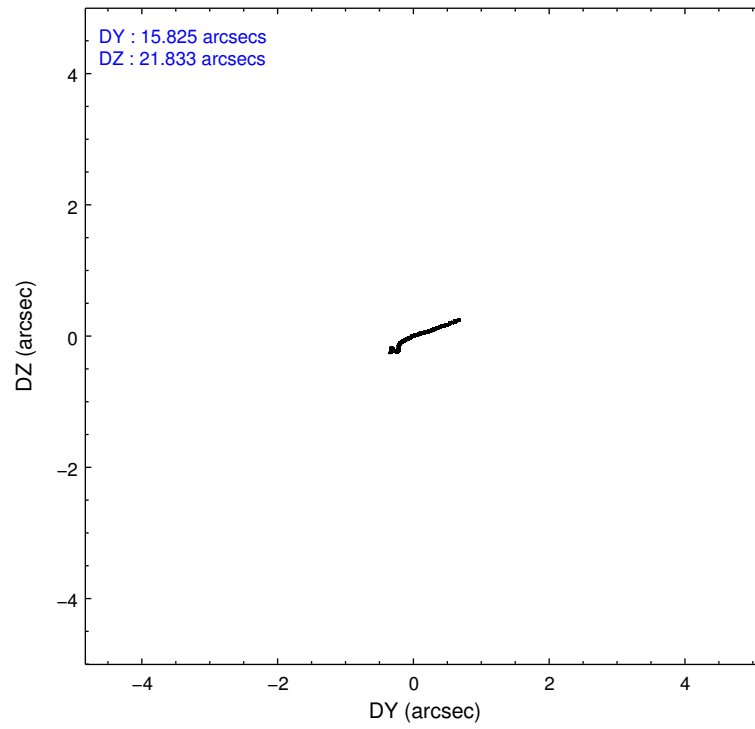
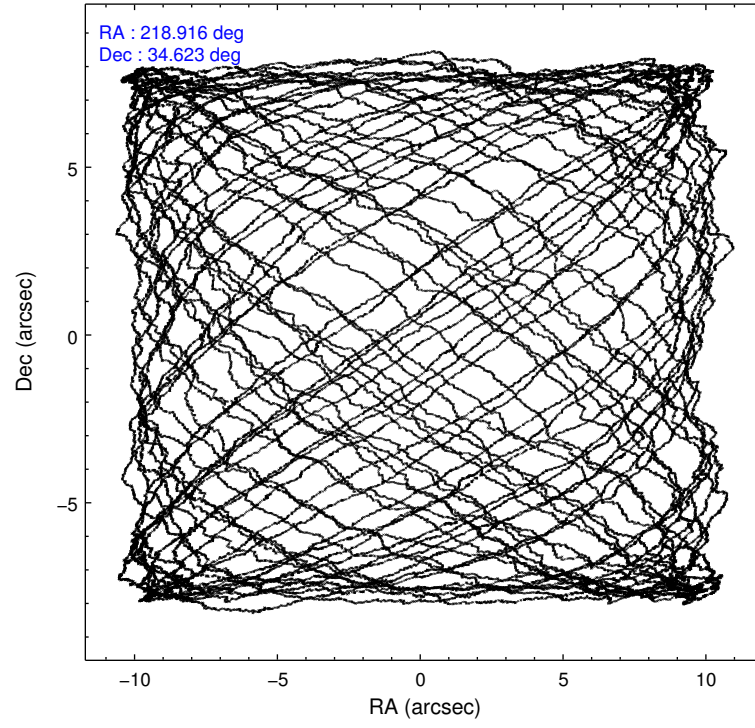
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	146398	149804	158662	155262	210490
rejected events	128234	129098	140584	137603	119203
rejected %	87%	86%	88%	88%	56%

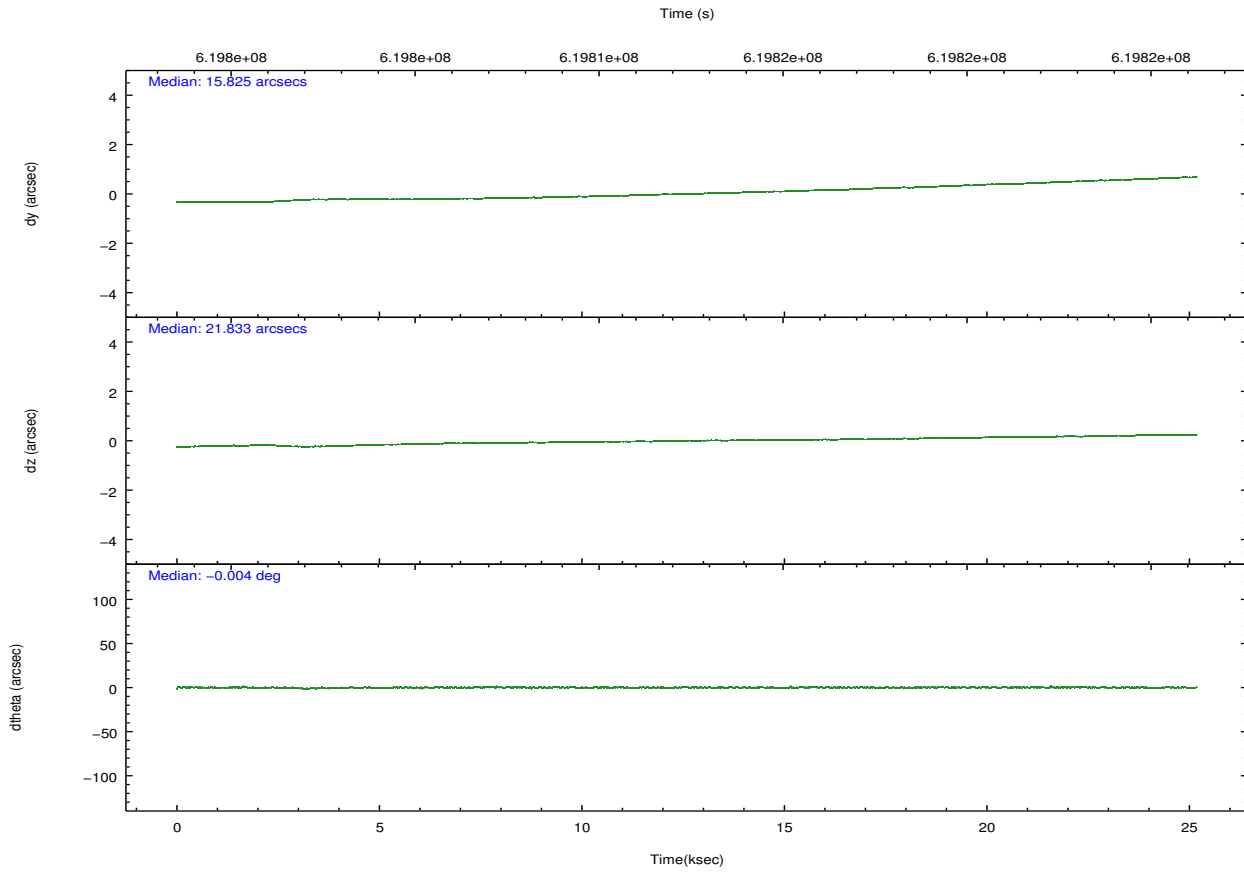
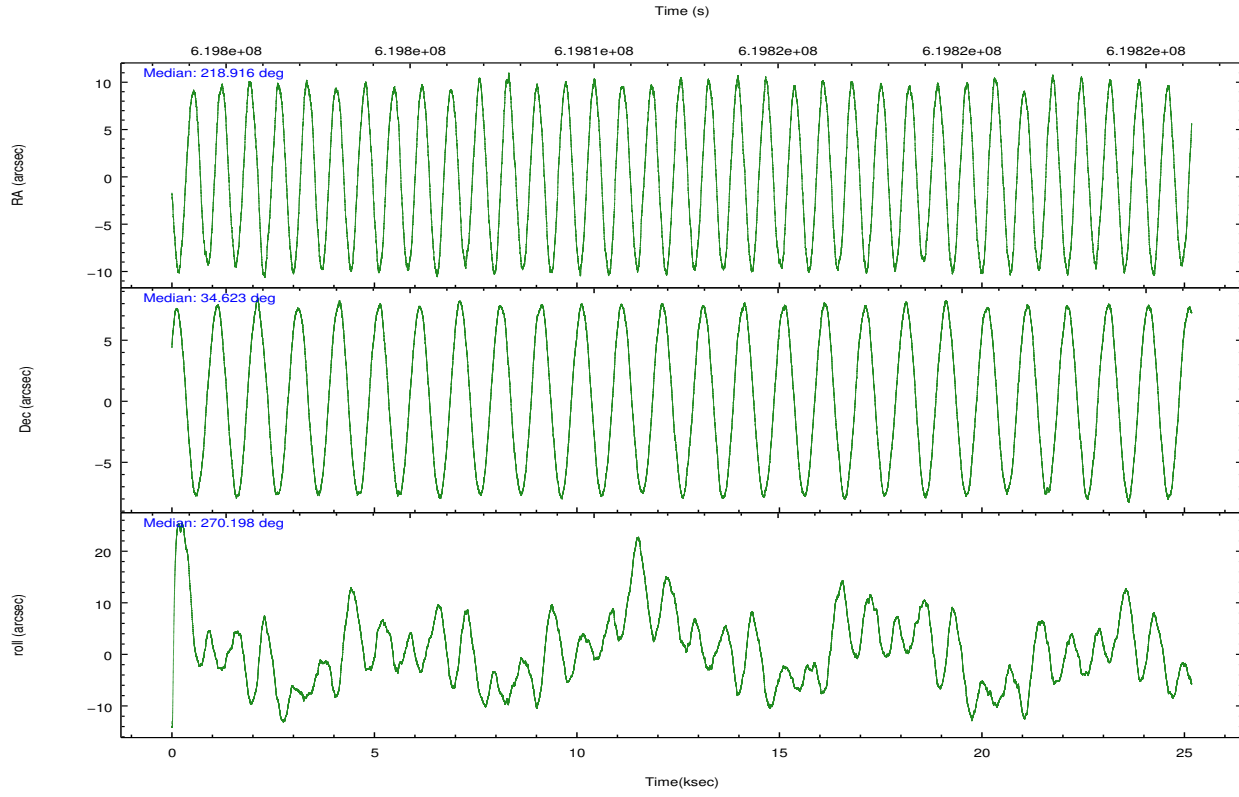
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6264	7044	6323	6670	7923
	4%	4%	3%	4%	3%
grade 1 events	88	83	100	95	297
	0%	0%	0%	0%	0%
grade 2 events	4638	5286	4750	3747	19401
	3%	3%	2%	2%	9%
grade 3 events	1825	2007	1757	1767	7385
	1%	1%	1%	1%	3%
grade 4 events	1725	1929	1798	1837	7135
	1%	1%	1%	1%	3%
grade 5 events	6809	7342	6408	7913	21197
	4%	4%	4%	5%	10%
grade 6 events	3722	4450	3453	3646	49461
	2%	2%	2%	2%	23%
grade 7 events	121327	121663	134073	129587	97691
	82%	81%	84%	83%	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	218.898614	218.9155770122446	CCD I2 on	Y	Y
[deg] Pointing Dec	34.646846	34.62306094512998	CCD I3 on	Y	Y
[deg] Pointing Roll	270.006599	270.2056450853127	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)	619799981.184000	619799551.18656	CCD S5 on	N	N
Observation start date	2017-08-22T14:38:32	2017-08-22T14:32:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	619824981.184000	619825176.70055	On-chip summing requested	N	N
Observation end date	2017-08-22T21:35:12	2017-08-22T21:39:36	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



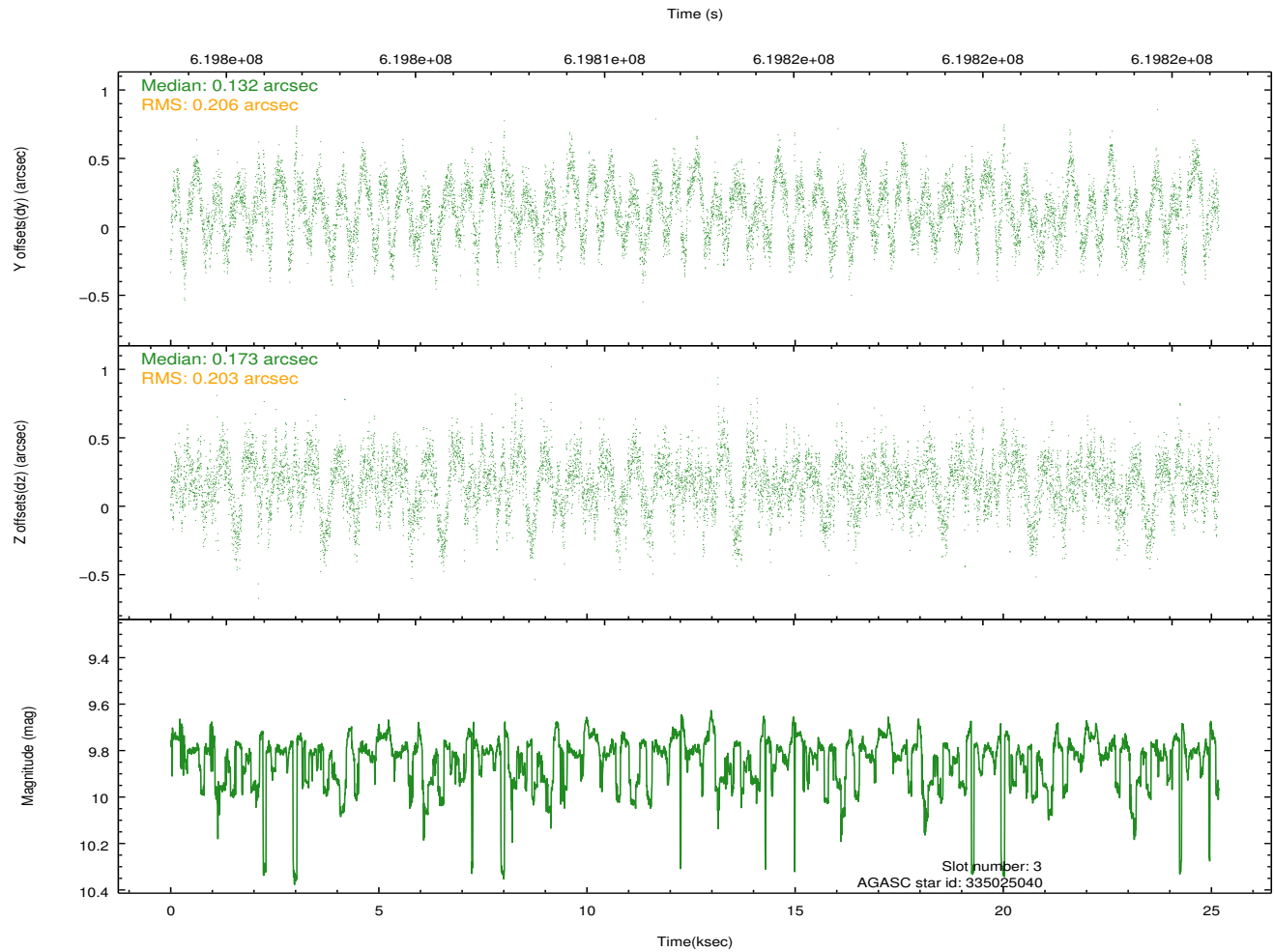
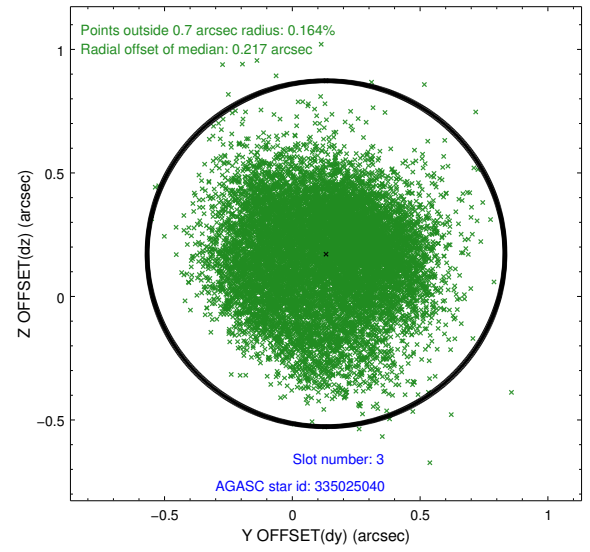
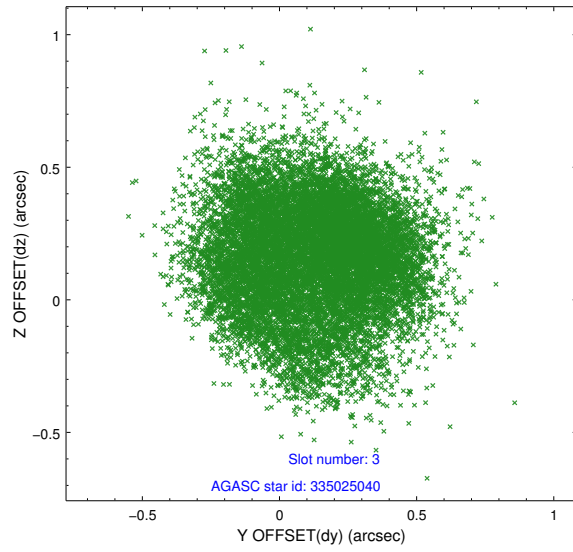


Slot Statistics

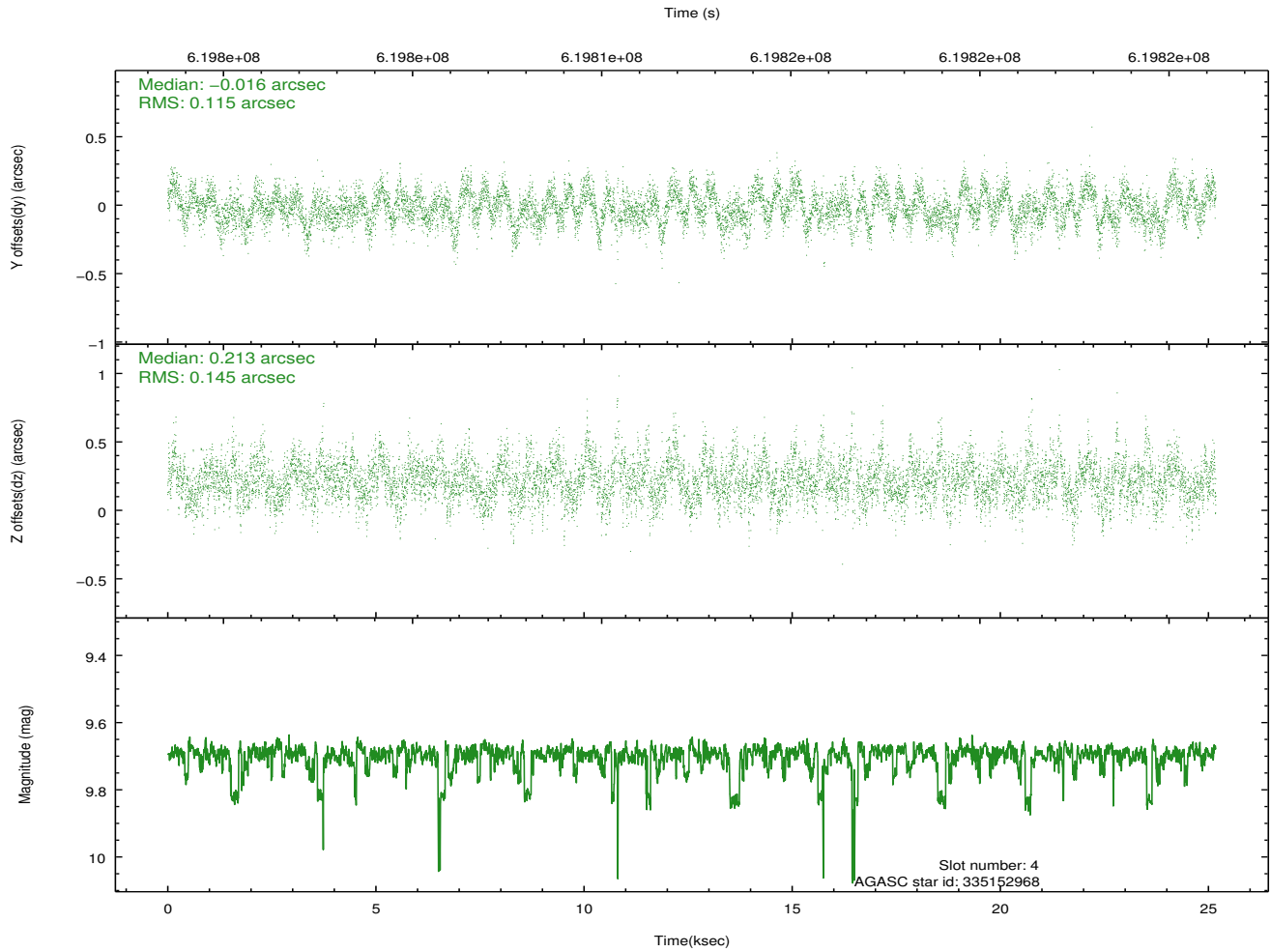
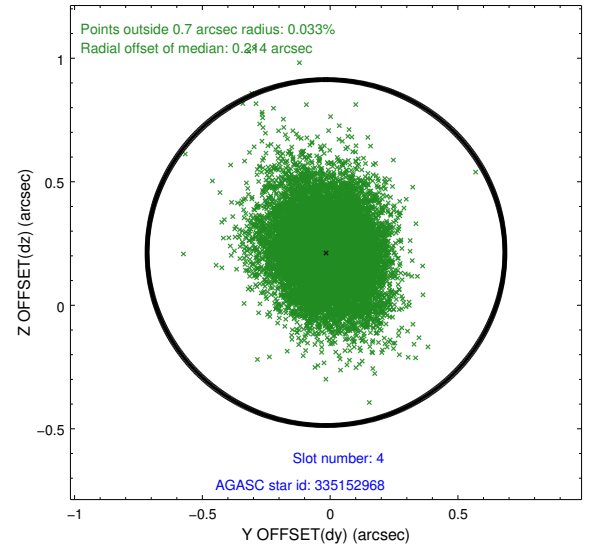
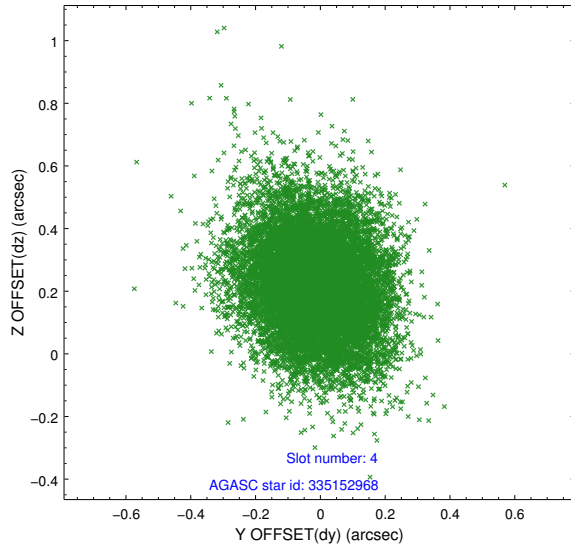
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	6142	0.081	-0.035	0.008	0.014	0.000000	0.000000	923.65	-845.61
1	FID		ACIS-I-5	7.14	6142	-0.349	0.045	0.006	0.010	0.000000	0.000000	-1824.89	1051.80
2	FID		ACIS-I-6	7.14	6142	0.176	0.060	0.009	0.016	0.000000	0.000000	389.08	1696.53
3	GUIDE	used	335025040	9.81	12174	0.132	0.173	0.317	0.475	218.601670	34.305240	1229.08	-882.80
4	GUIDE	used	335152968	9.70	12165	-0.016	0.213	0.194	0.321	219.446087	34.867883	-798.84	1617.56
5	GUIDE	used	335153056	10.11	12257	-0.001	-0.366	0.296	0.449	219.264627	34.869152	-801.88	1080.94
6	GUIDE	used	335155824	8.89	12271	-0.393	-0.350	0.144	0.243	219.689900	34.035435	2191.93	2360.63
7	GUIDE	used	335414336	8.93	12279	0.294	0.342	0.146	0.242	218.979022	35.090910	-1597.78	237.47

2.4 Star Slots

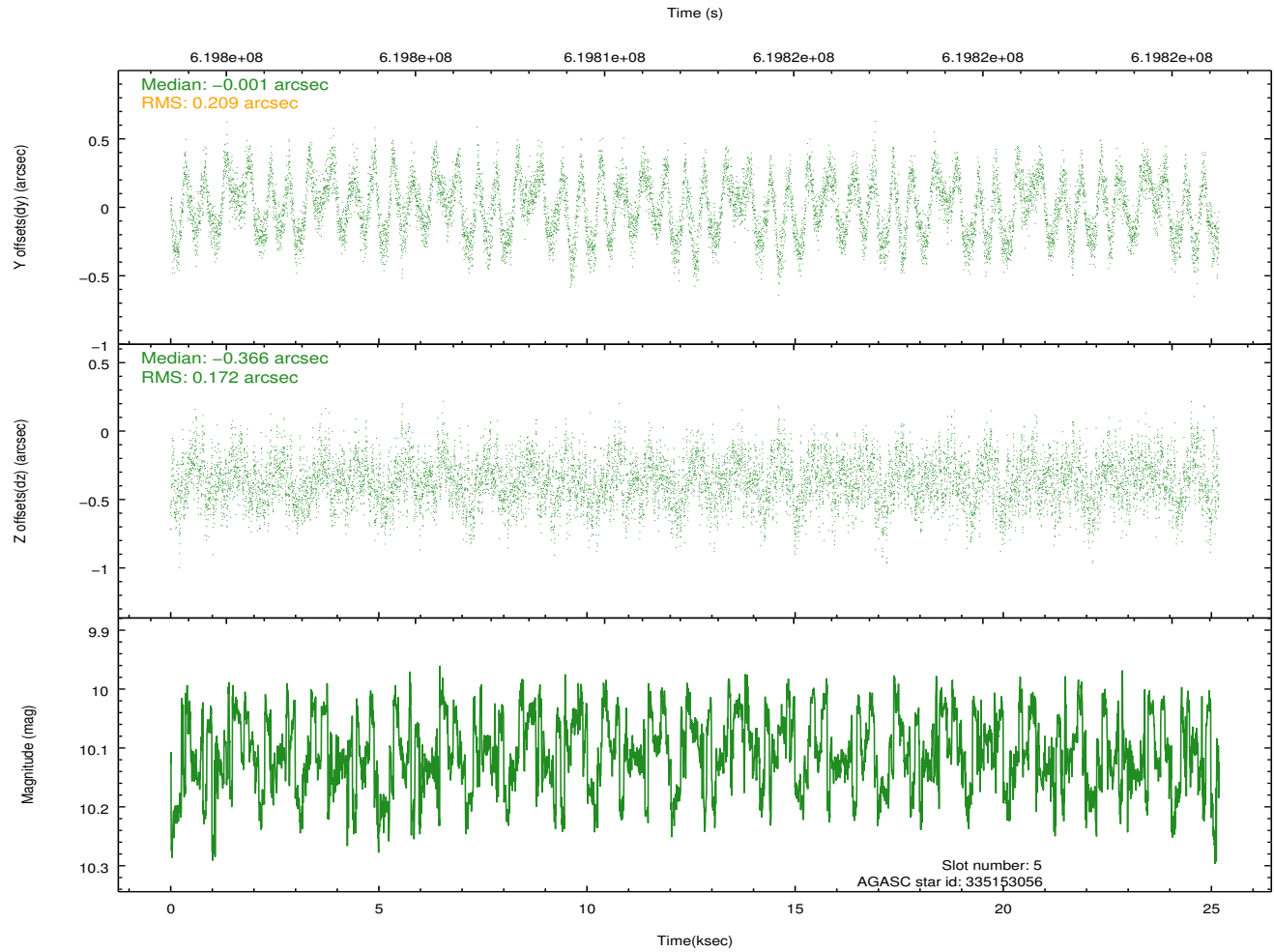
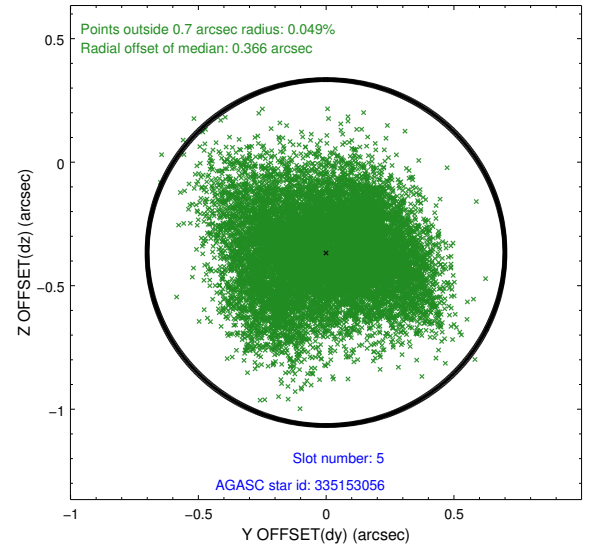
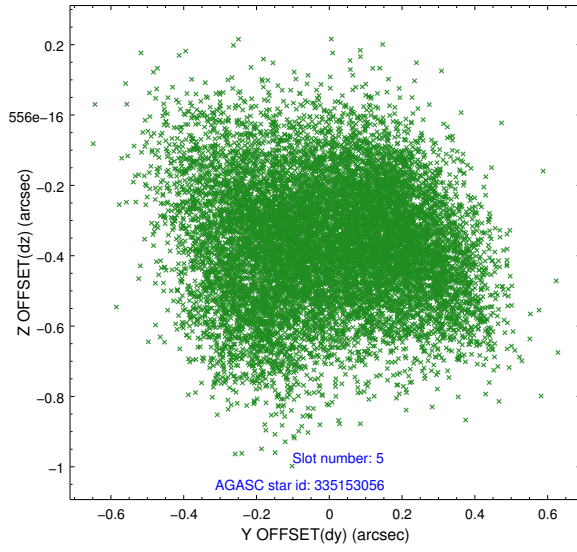
2.4.1 Slot 3



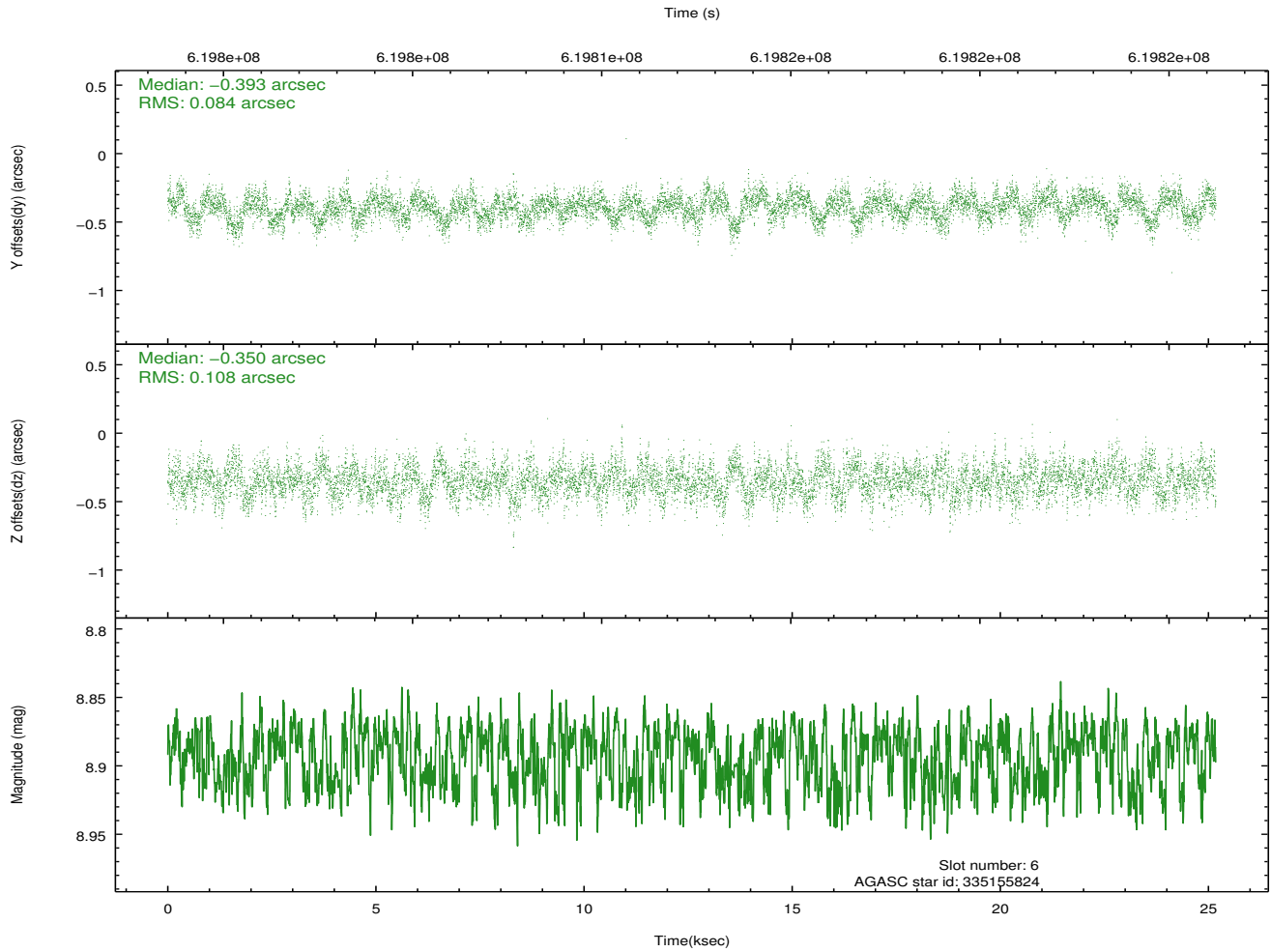
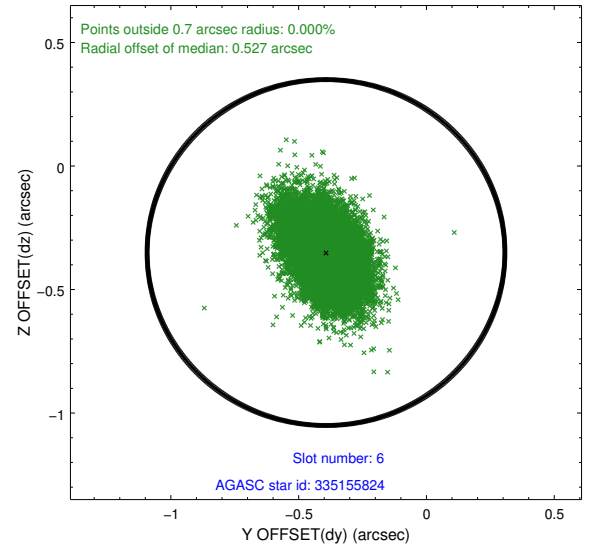
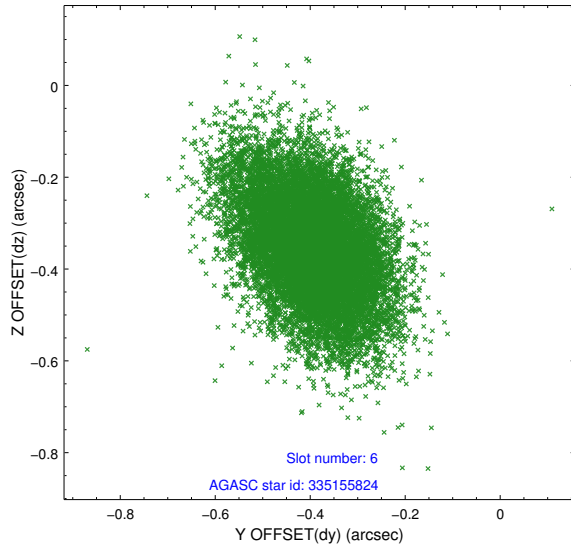
2.4.2 Slot 4



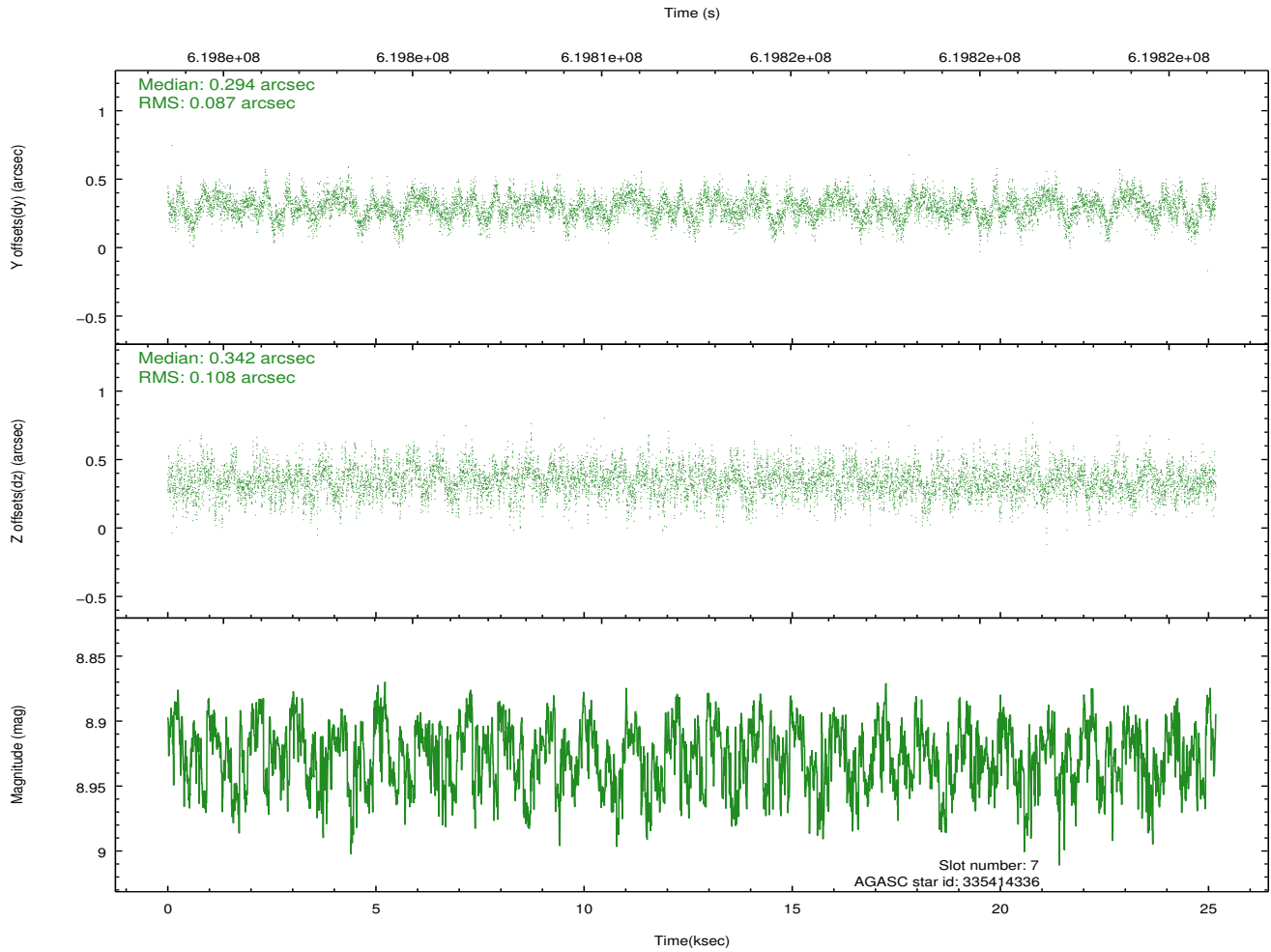
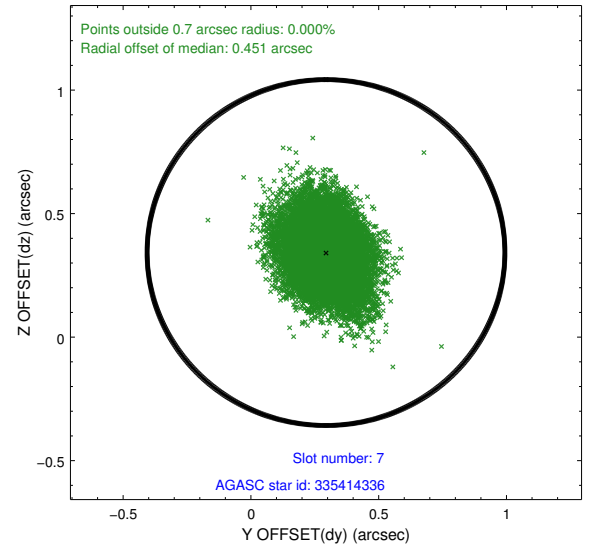
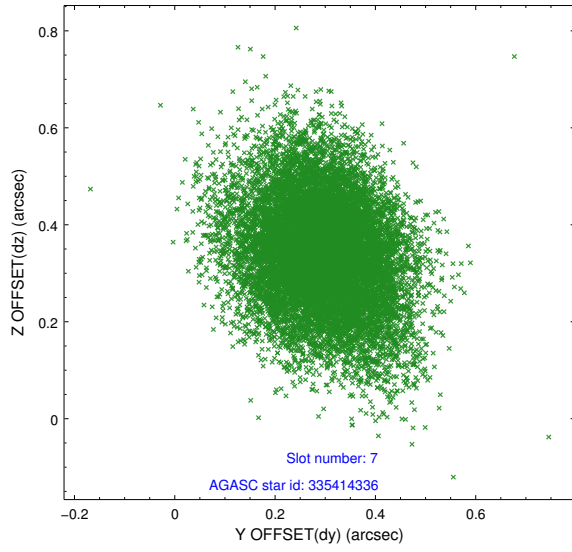
2.4.3 Slot 5



2.4.4 Slot 6

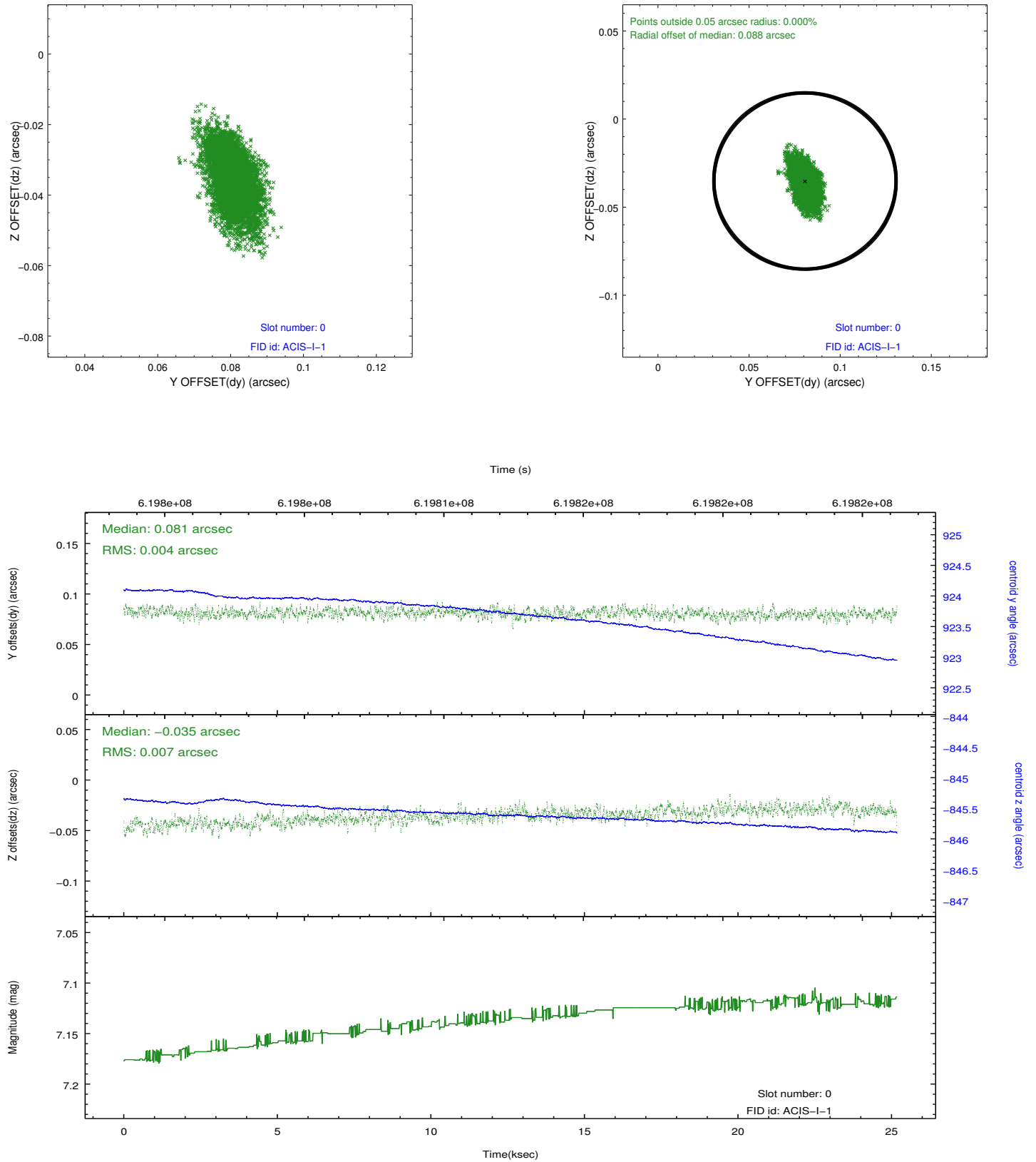


2.4.5 Slot 7

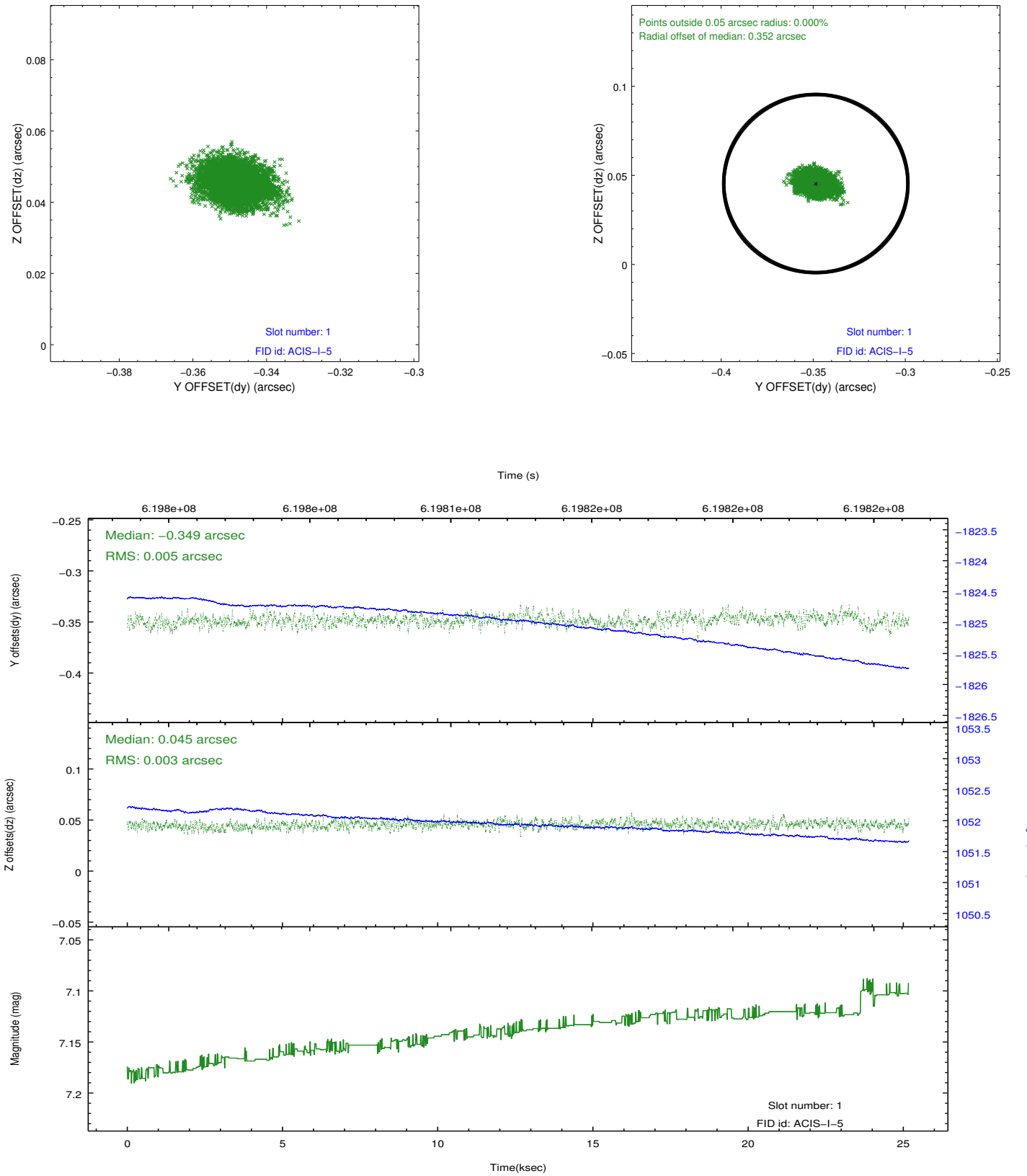


2.5 FID Slots

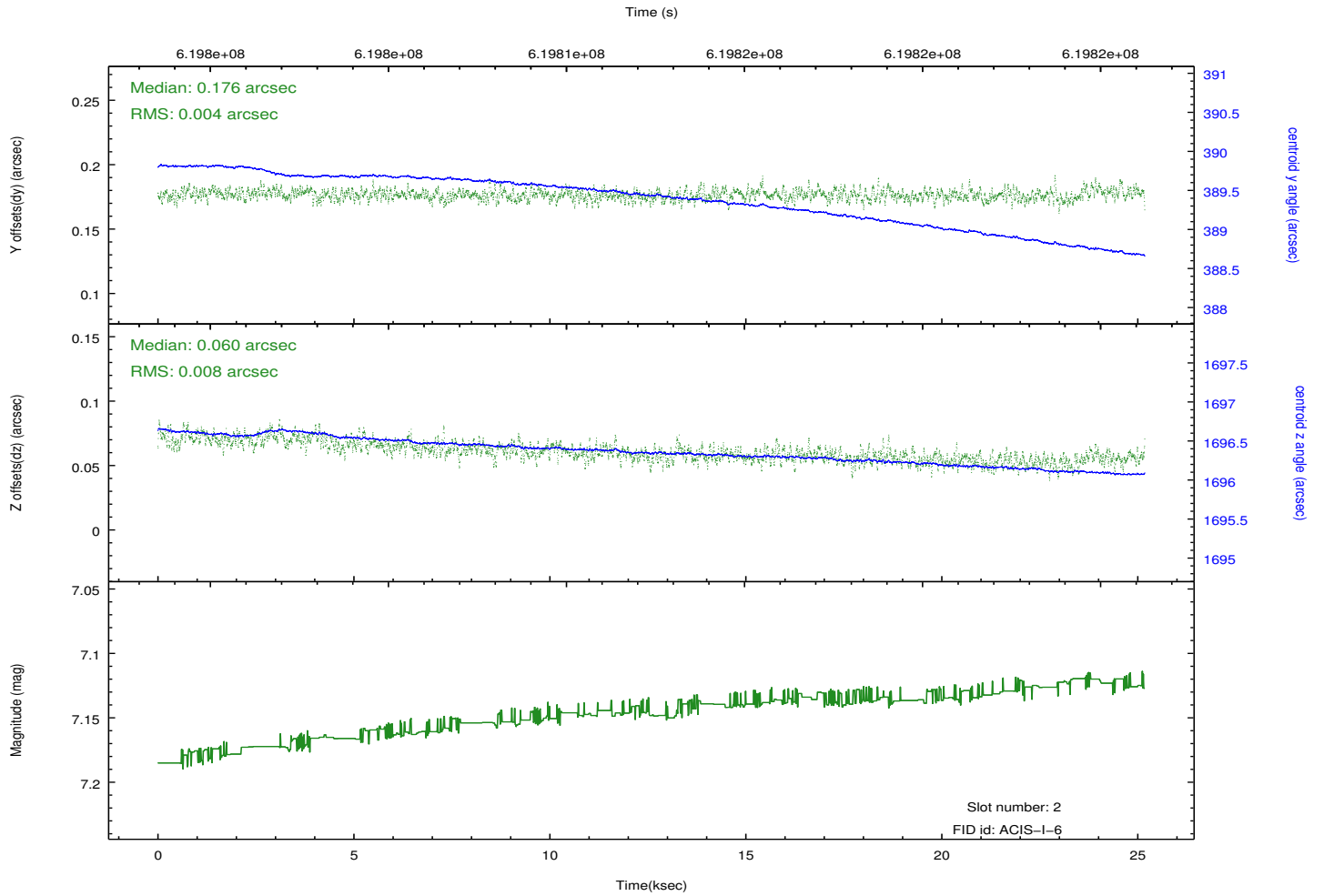
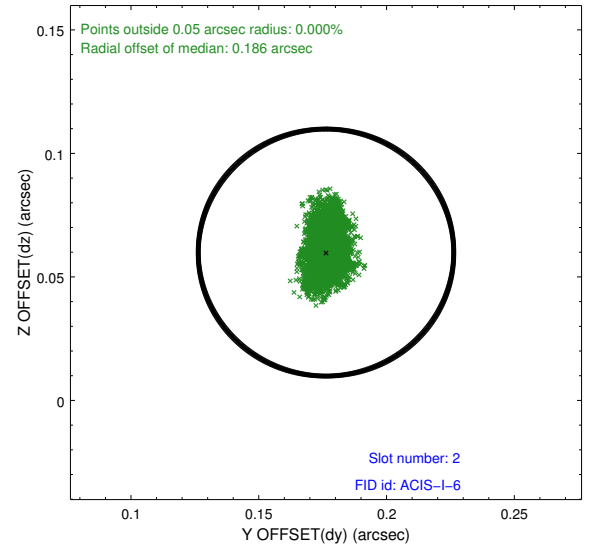
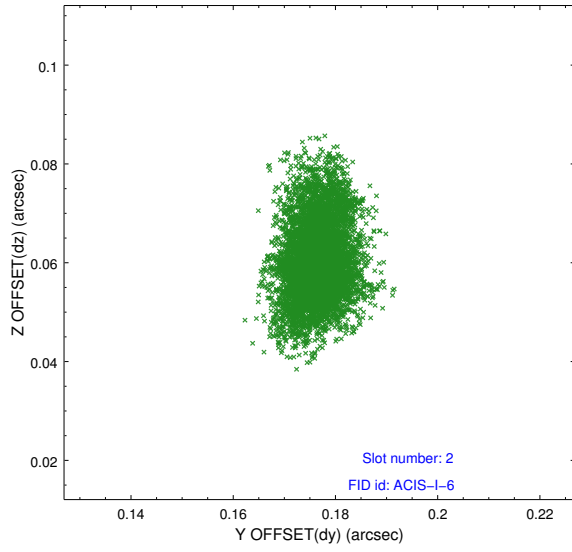
2.5.1 Slot 0



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)	2017.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.772100190639

A.2 Comments