

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19665 - L2 Version 1
Chandra X-Ray Center

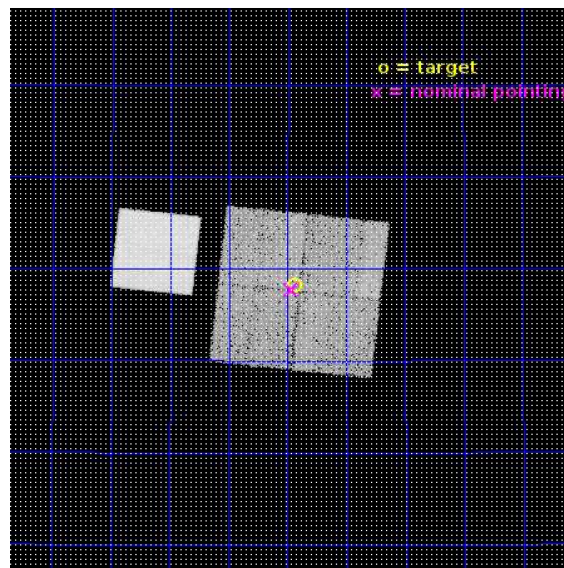
L2 Processing Date : Aug 25 2017

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1 Front

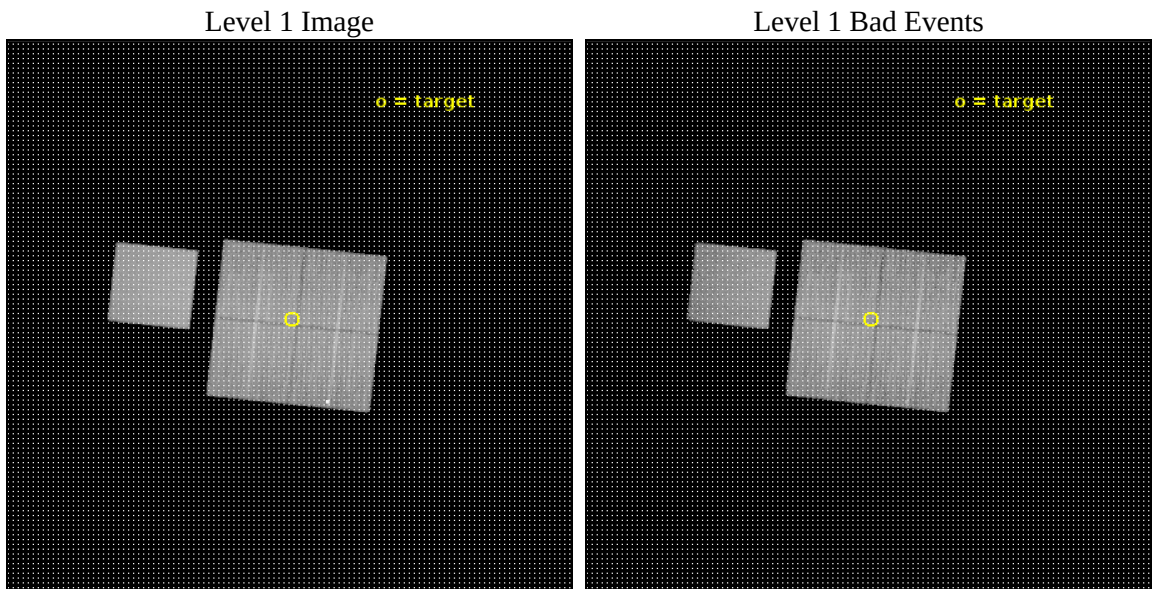
seq_num	901372	Sequence number
obs_id	19665	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.86114	Observer's specified target RA [deg]
dec_targ	34.969798	Observer's specified target Dec [deg]
ra_nom	216.86696273966	Nominal RA [deg]
dec_nom	34.962516934521	Nominal Dec [deg]
roll_nom	276.20534770027	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24770.64160192	Sum of GTIs [s]
livetime	24446.99493351	Livetime [s]
ontime0	24767.377511621	Sum of GTIs [s]
ontime1	24761.136720657	Sum of GTIs [s]
ontime2	24770.600561857	Sum of GTIs [s]
ontime3	24770.64160192	Sum of GTIs [s]
ontime7	24770.682641864	Sum of GTIs [s]
l2events	154046	Number of level 2 events



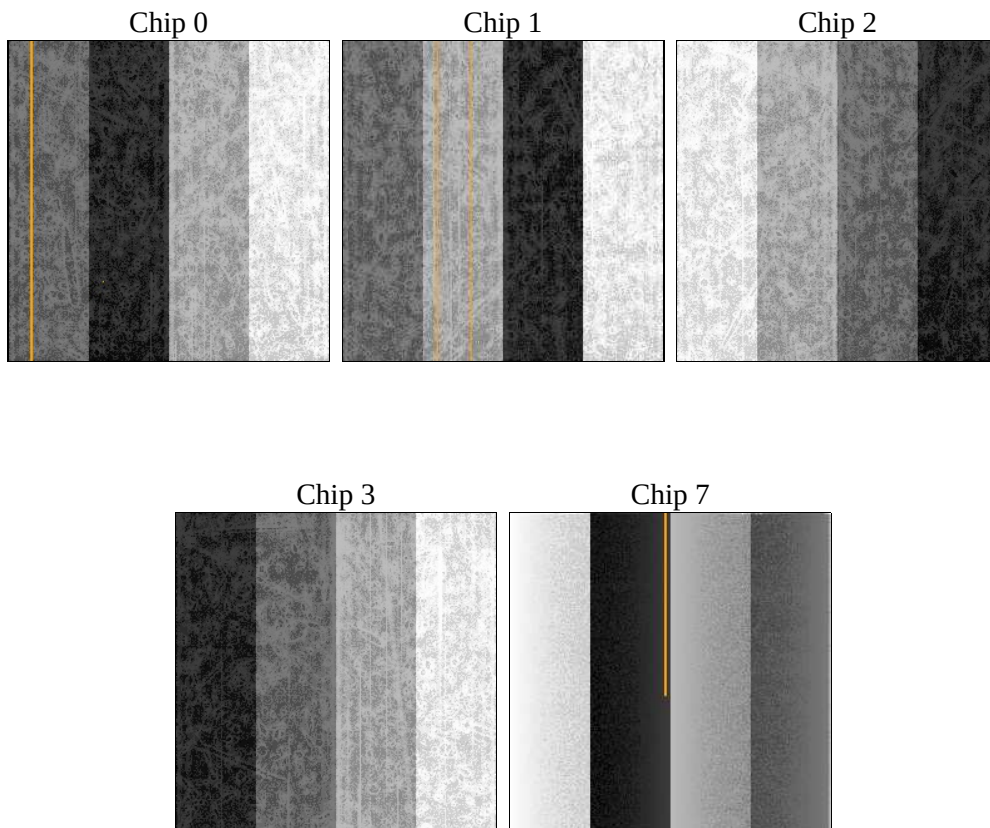
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	24770.64160192	Sum of GTIs [s]
caldsver	4.7.6	 	ontime0	24767.377511621	Sum of GTIs [s]
date	2017-08-25T20:23:10	Date and time of file creation	ontime1	24761.136720657	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	24770.600561857	Sum of GTIs [s]
			ontime3	24770.64160192	Sum of GTIs [s]
			ontime7	24770.682641864	Sum of GTIs [s]
			l1events	855204	Number of level 1 events

2.1.4 Events

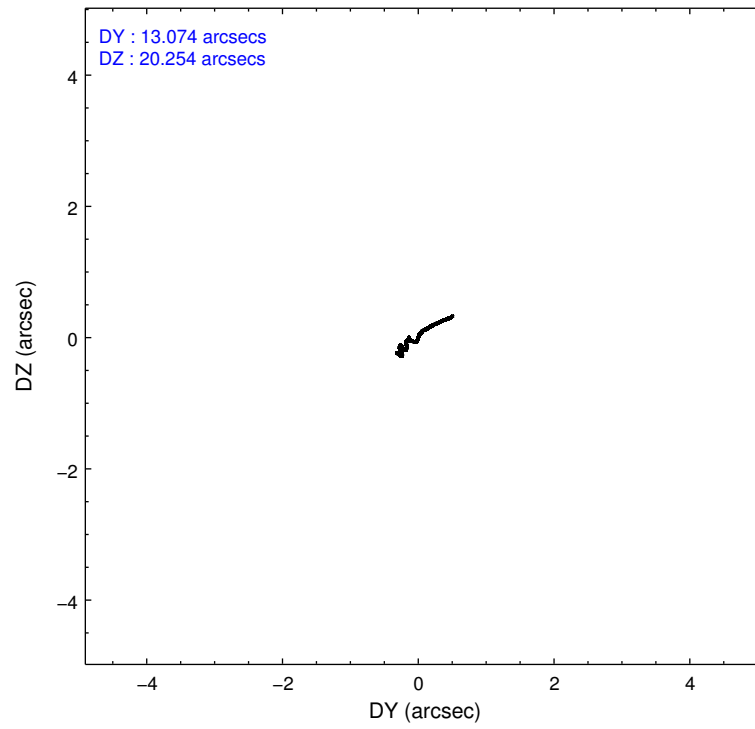
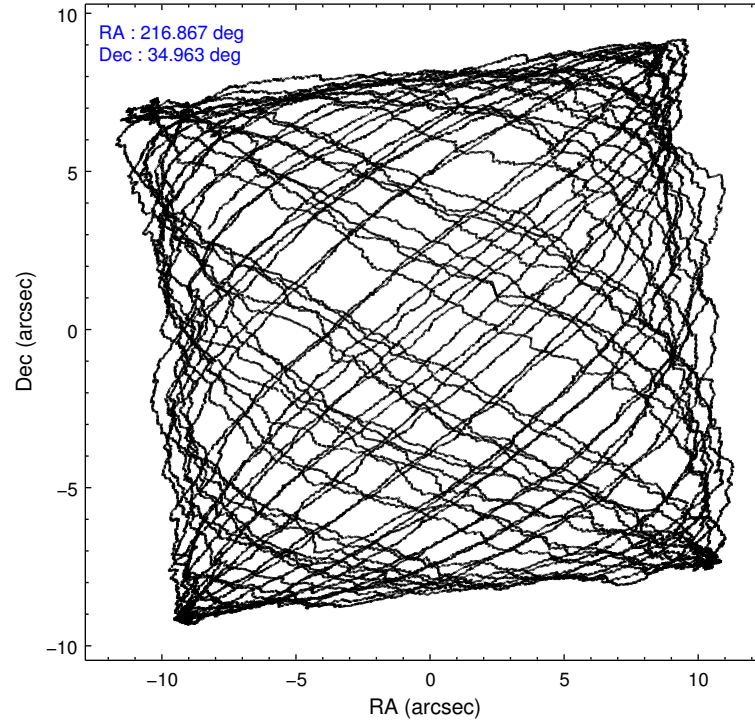
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	162321	152400	164846	161691	213946
rejected events	136041	131806	146715	143111	120735
rejected %	83%	86%	89%	88%	56%

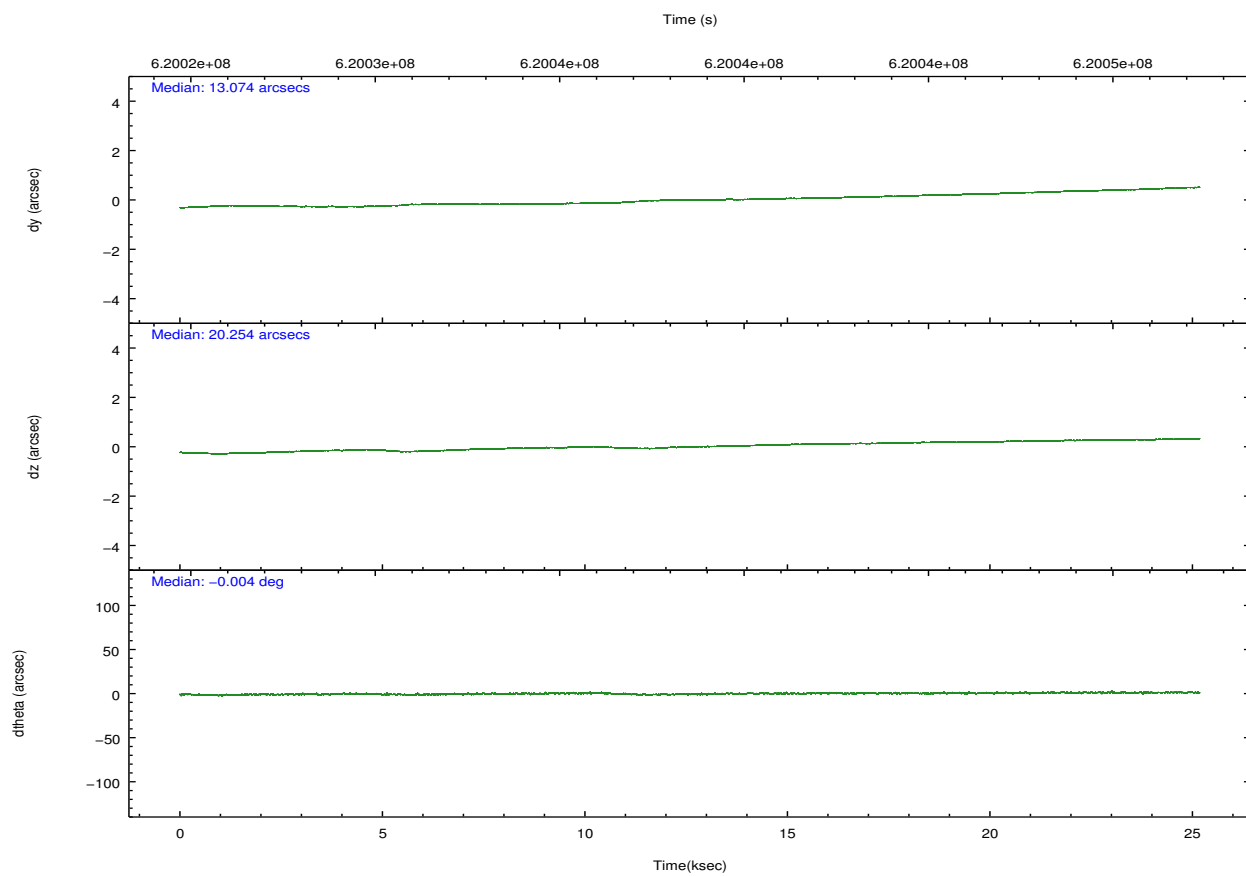
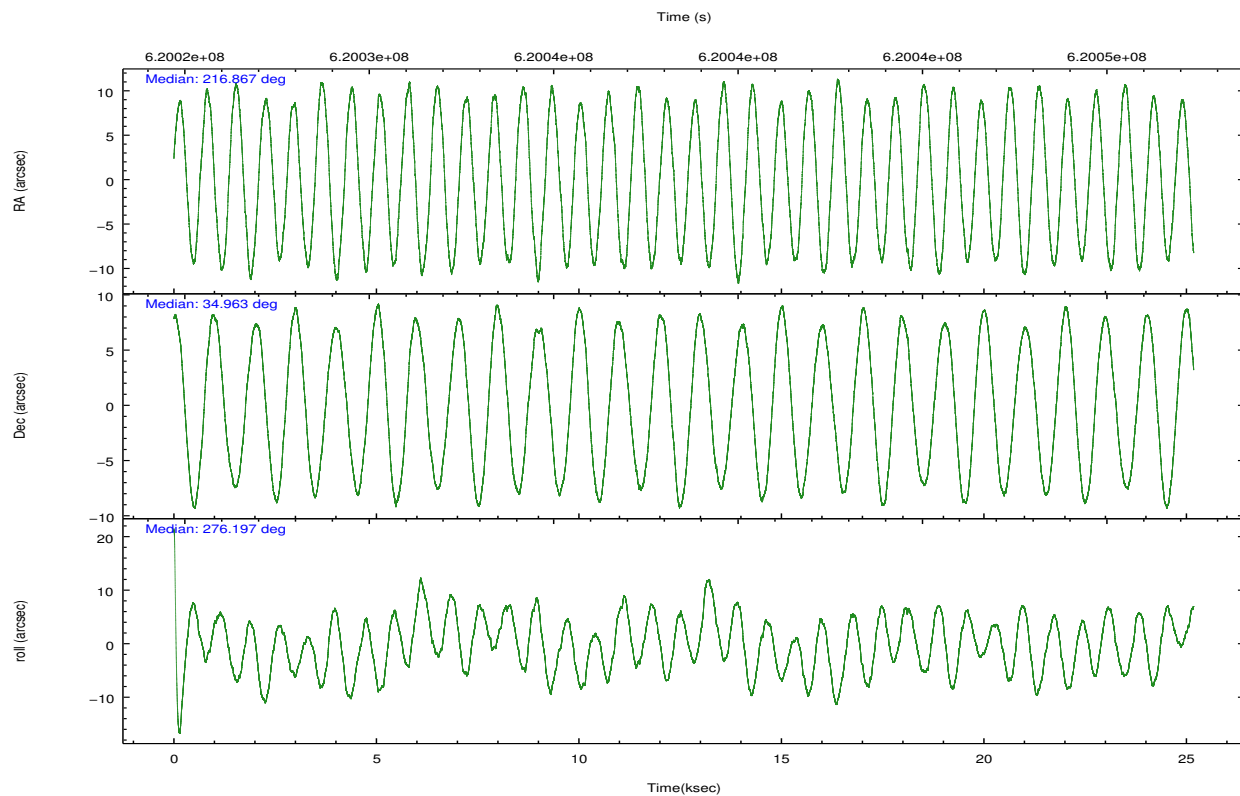
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6709	7046	6472	7216	7862
	4%	4%	3%	4%	3%
grade 1 events	81	74	105	101	309
	0%	0%	0%	0%	0%
grade 2 events	12407	5231	4548	4024	20149
	7%	3%	2%	2%	9%
grade 3 events	1836	1956	1762	1898	7479
	1%	1%	1%	1%	3%
grade 4 events	1763	2024	1847	1827	7396
	1%	1%	1%	1%	3%
grade 5 events	6823	7349	6340	7989	21378
	4%	4%	3%	4%	9%
grade 6 events	3571	4341	3507	3620	50352
	2%	2%	2%	2%	23%
grade 7 events	129131	124379	140265	135016	99021
	79%	81%	85%	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	216.846950	216.8669627396568	CCD I2 on	Y	Y
[deg] Pointing Dec	34.984706	34.96251693452098	CCD I3 on	Y	Y
[deg] Pointing Roll	276.008137	276.2053477002703	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)	620026120.184000	620025743.58727	CCD S5 on	N	N
Observation start date	2017-08-25T05:27:31	2017-08-25T05:22:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	620051120.184000	620051284.5387599	On-chip summing requested	N	N
Observation end date	2017-08-25T12:24:11	2017-08-25T12:28:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



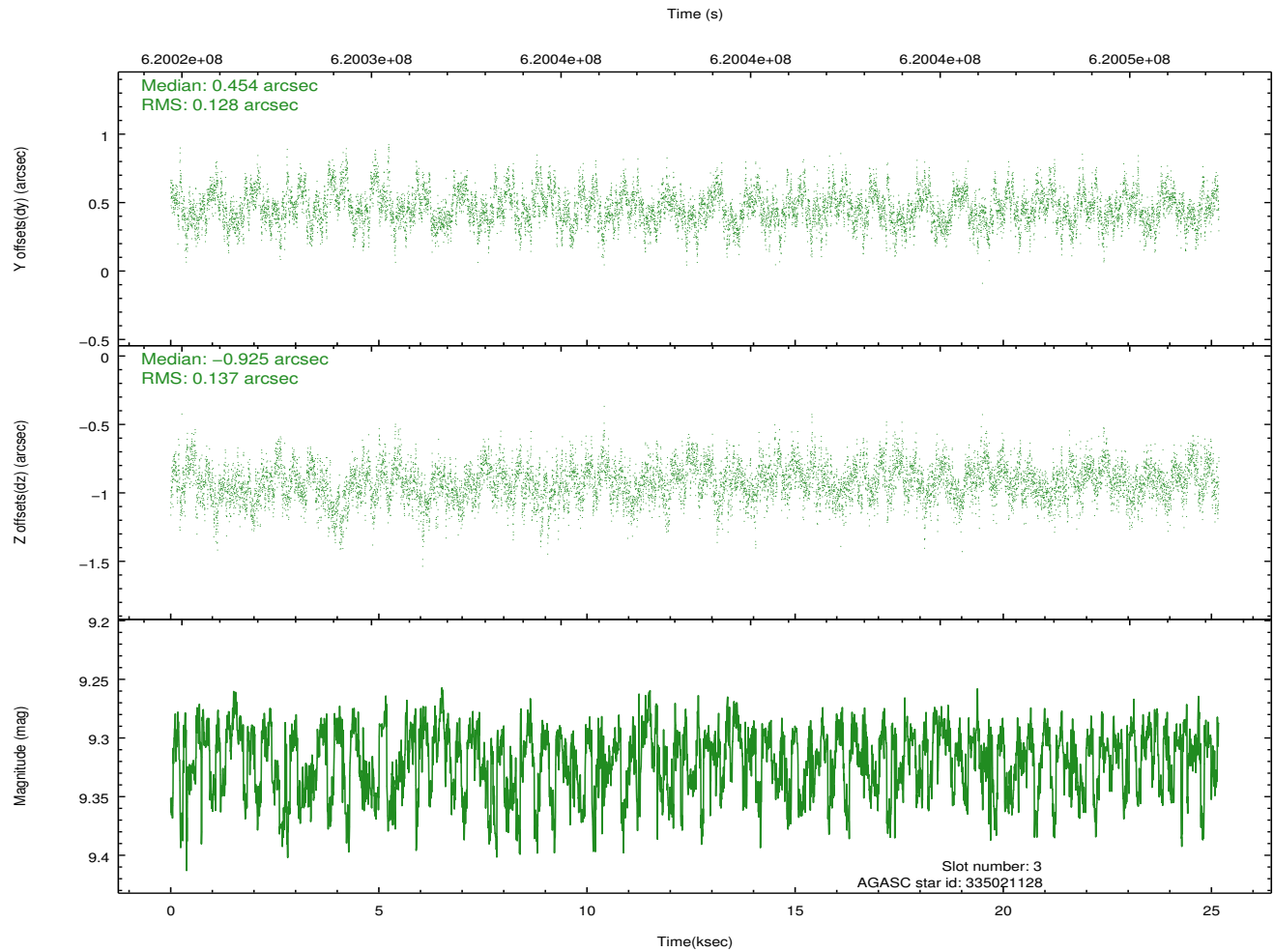
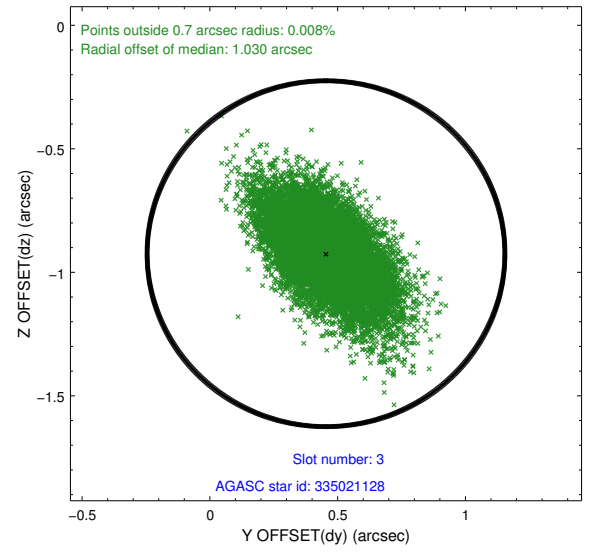
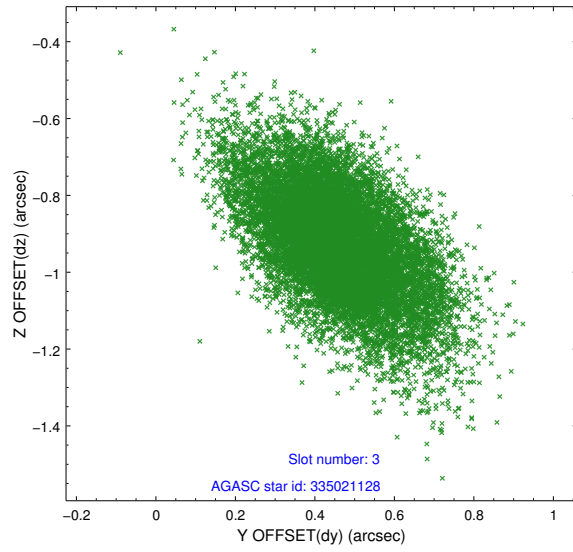


Slot Statistics

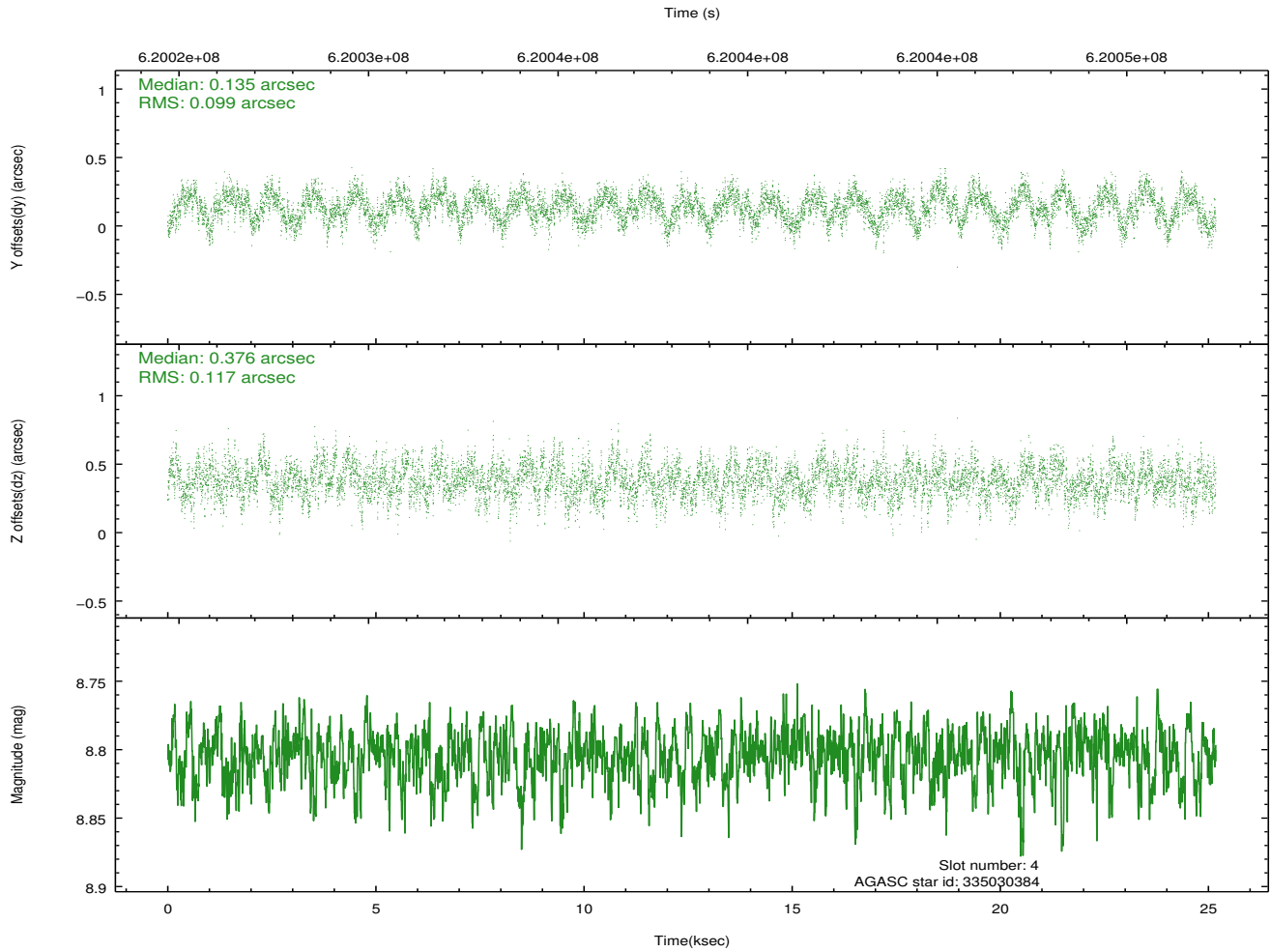
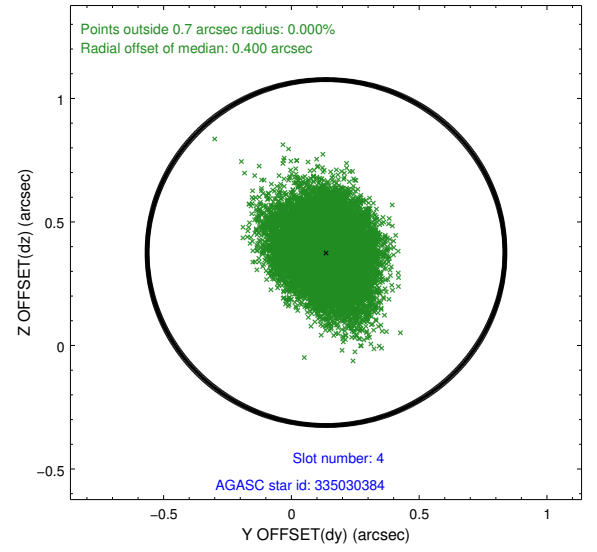
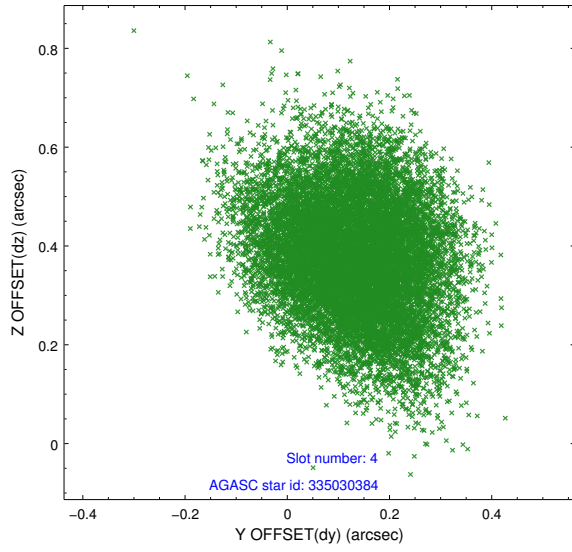
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	6142	0.064	-0.035	0.009	0.016	0.000000	0.000000	926.52	-844.02
1	FID		ACIS-I-5	7.13	6141	-0.319	0.035	0.007	0.012	0.000000	0.000000	-1821.98	1053.37
2	FID		ACIS-I-6	7.14	6142	0.164	0.070	0.008	0.014	0.000000	0.000000	391.93	1698.13
3	GUIDE	used	335021128	9.32	12265	0.454	-0.925	0.191	0.337	216.159551	34.422539	1793.33	-2241.84
4	GUIDE	used	335030384	8.80	12276	0.135	0.376	0.164	0.259	216.806407	34.722197	927.97	-217.80
5	GUIDE	used	335414448	7.34	12281	-0.000	0.406	0.123	0.214	216.992261	35.577204	-2075.01	647.59
6	GUIDE	used	335422272	9.39	12257	-0.186	0.156	0.203	0.325	217.586135	35.522660	-1708.35	2357.93
7	GUIDE	used	335023248	8.91	12274	-0.409	-0.021	0.142	0.254	217.634832	34.944512	377.67	2298.34

2.4 Star Slots

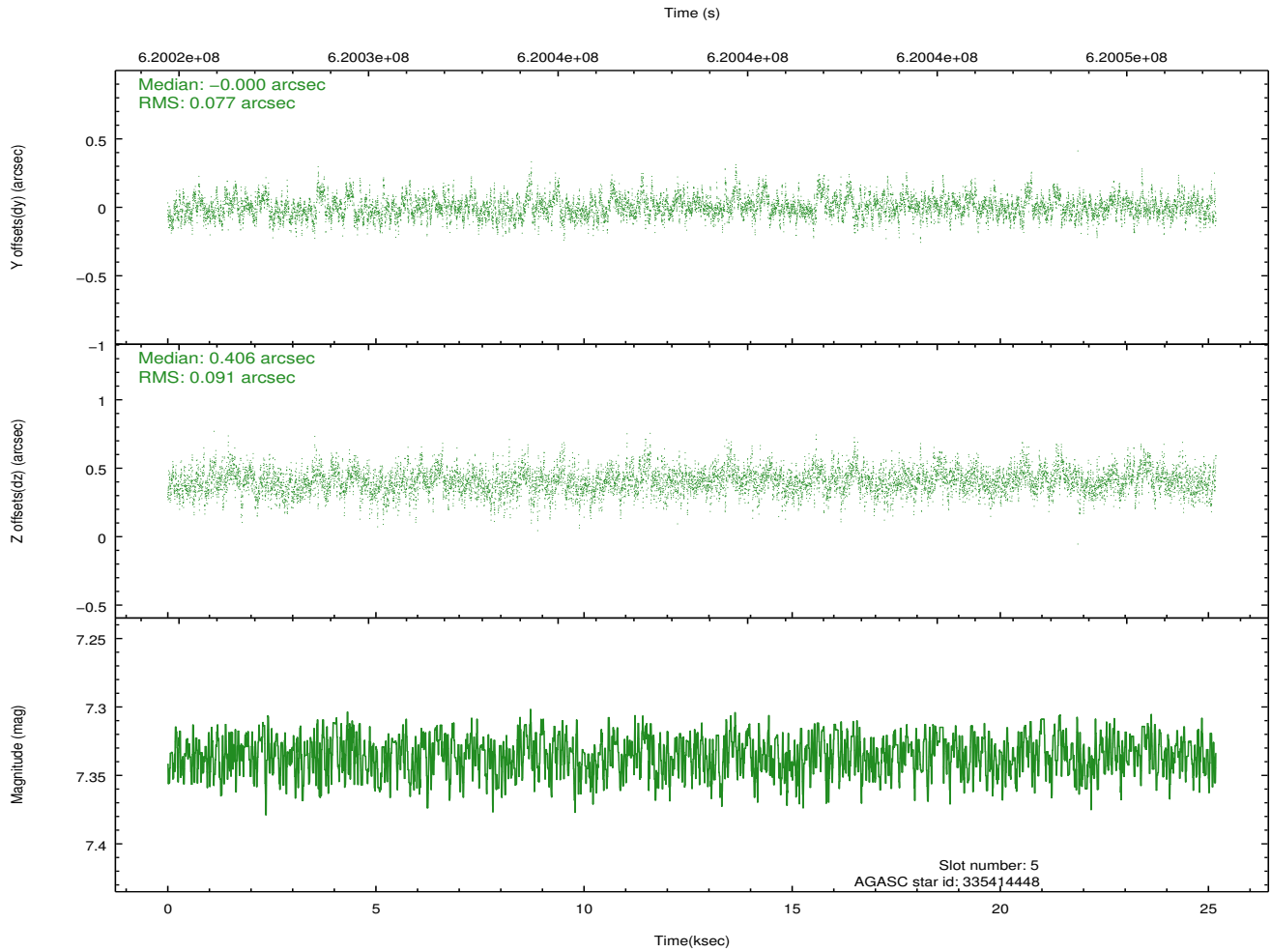
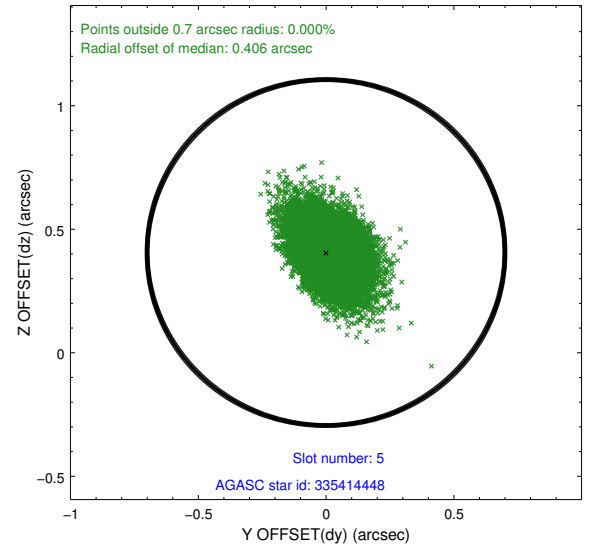
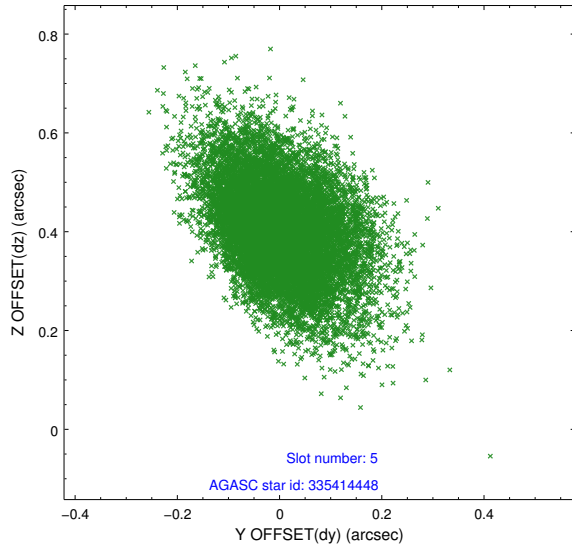
2.4.1 Slot 3



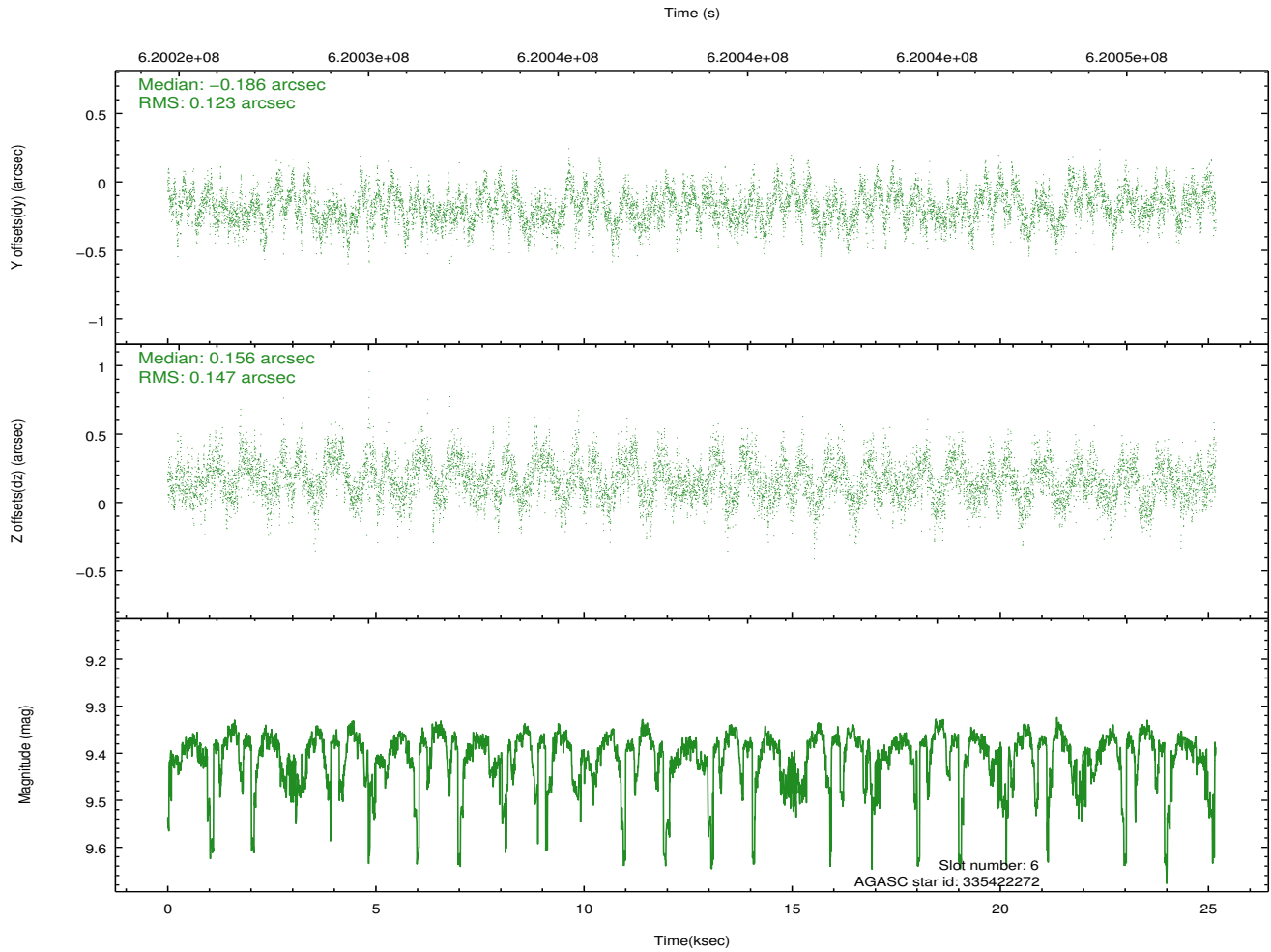
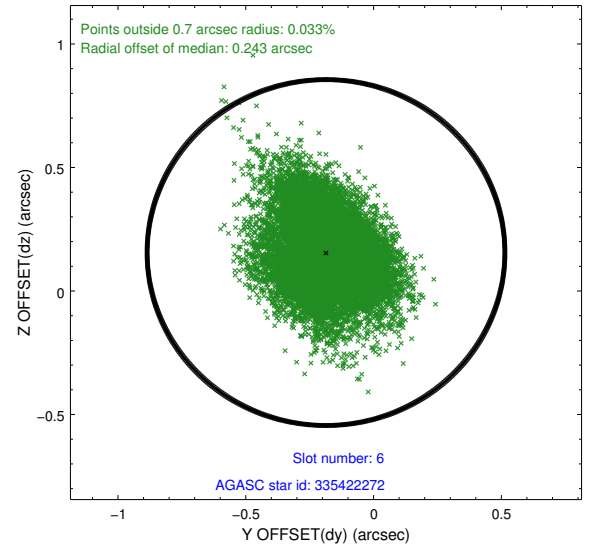
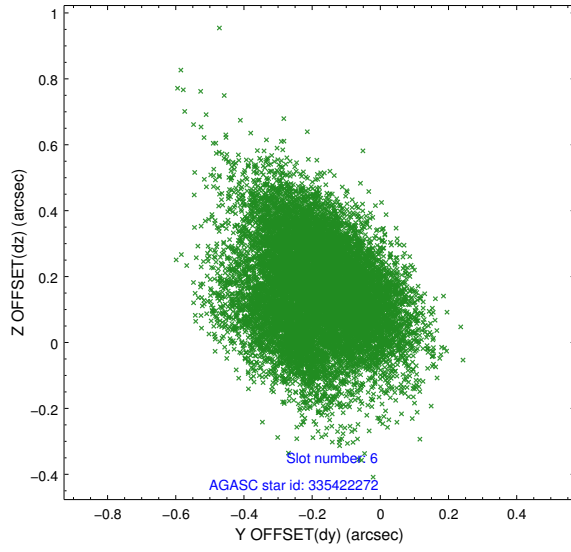
2.4.2 Slot 4



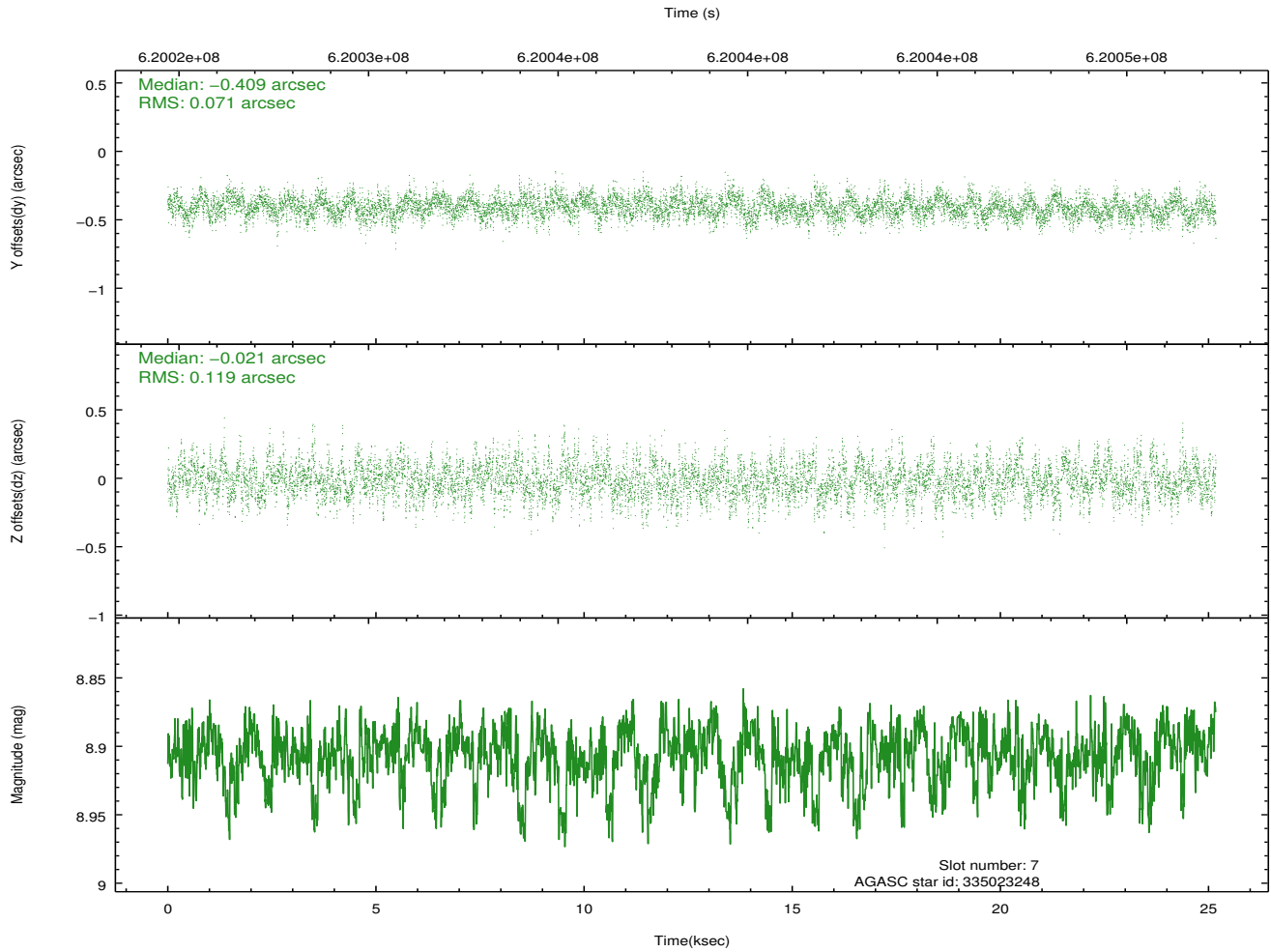
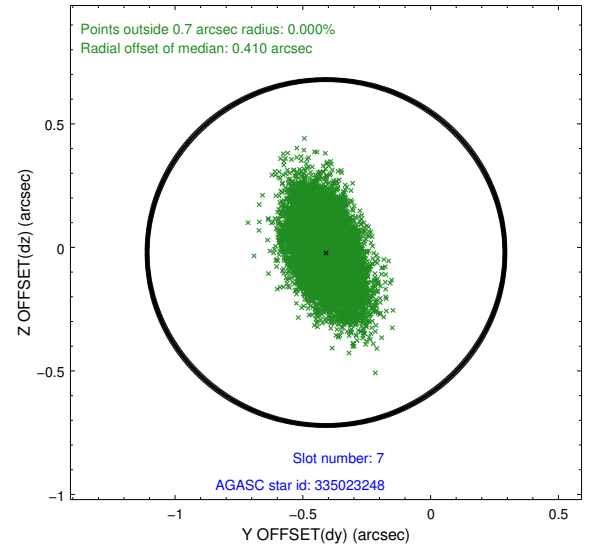
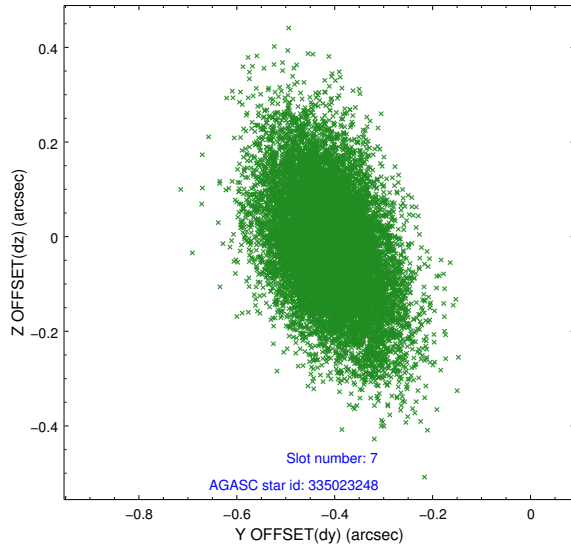
2.4.3 Slot 5



2.4.4 Slot 6

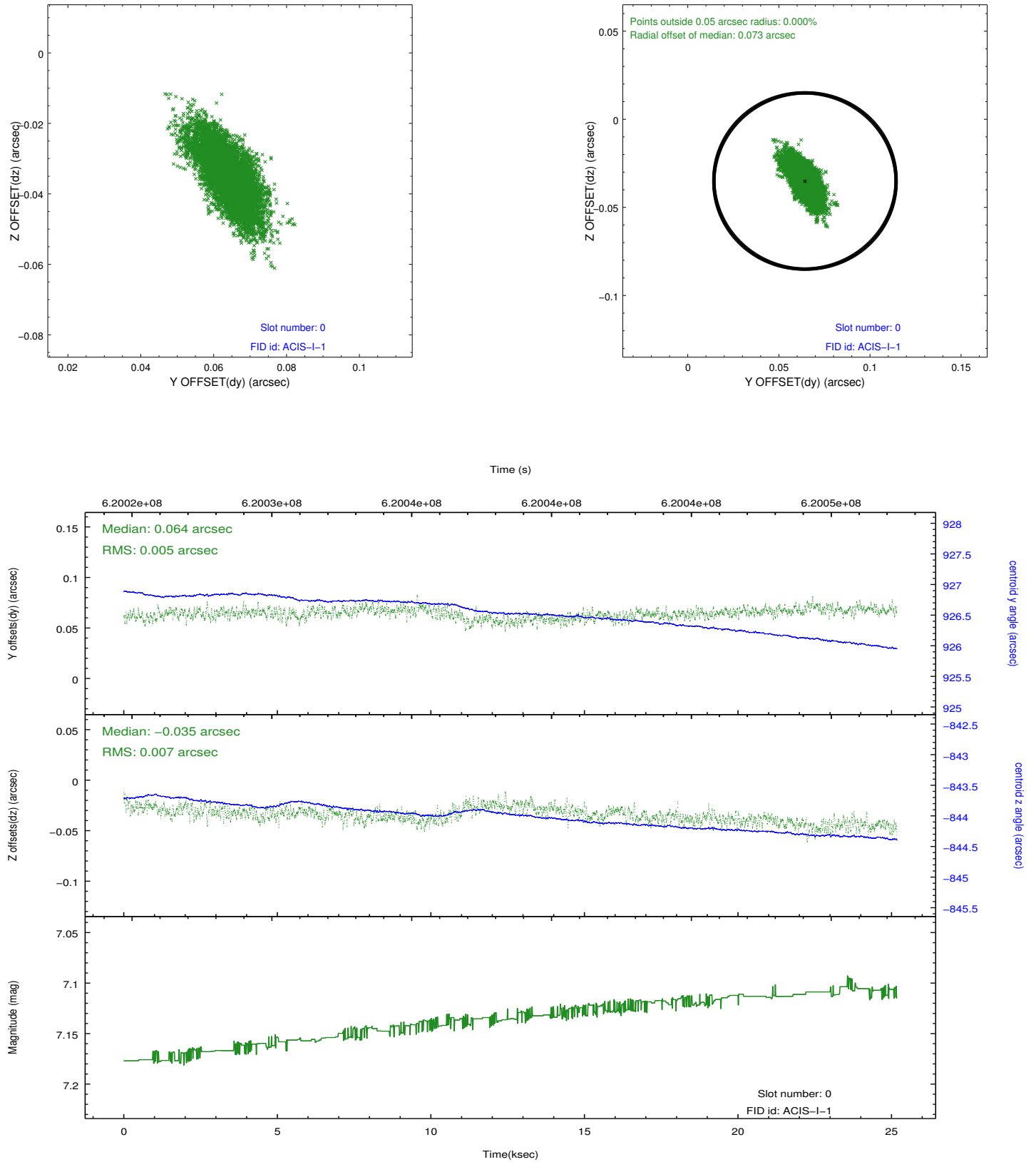


2.4.5 Slot 7

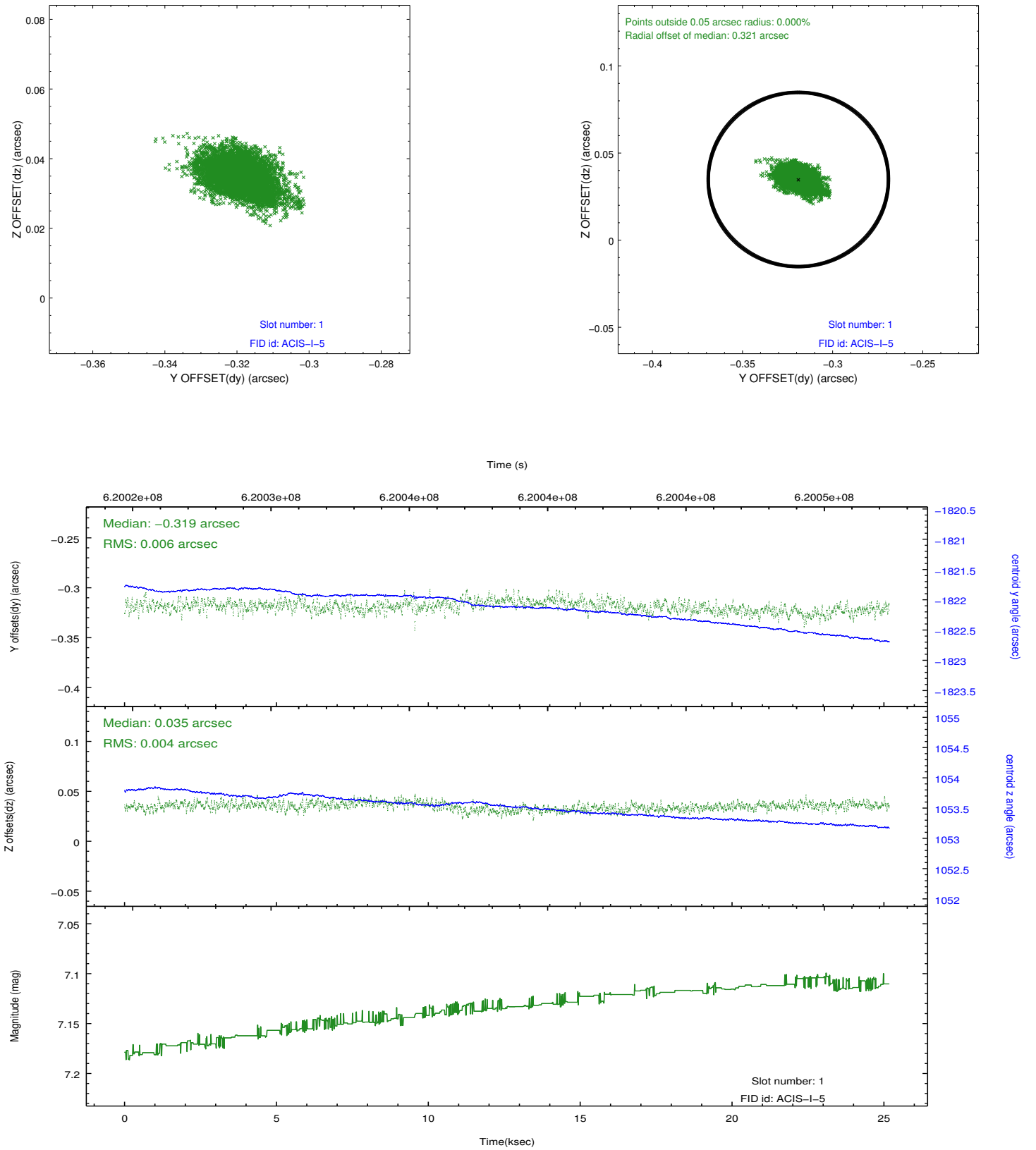


2.5 FID Slots

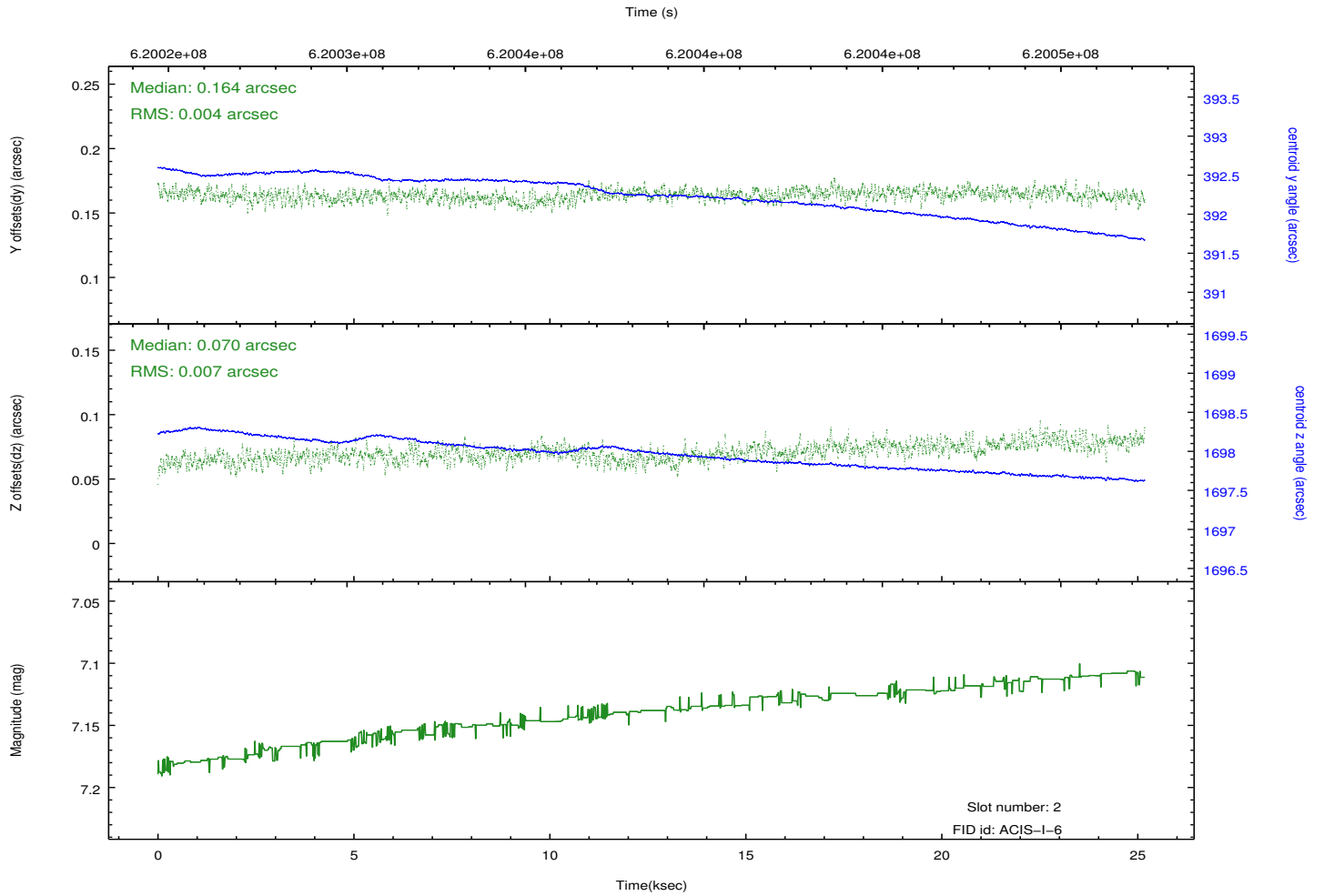
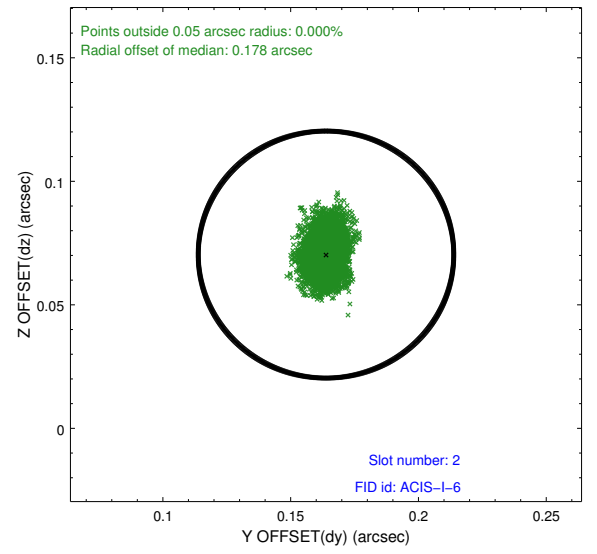
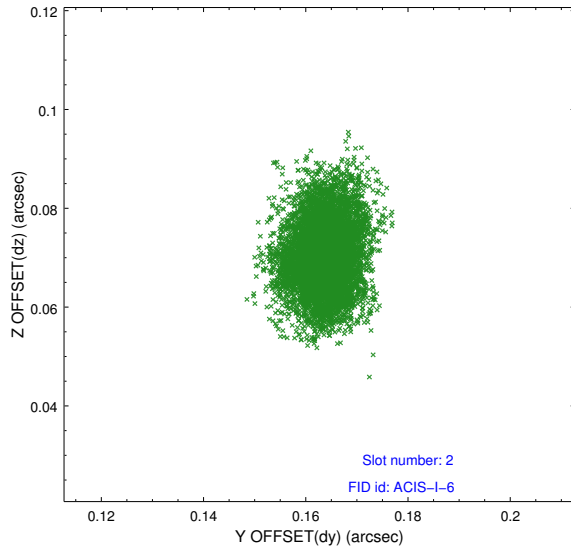
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.77064160192

A.2 Comments