

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3628 - L2 Version 3
Chandra X-Ray Center

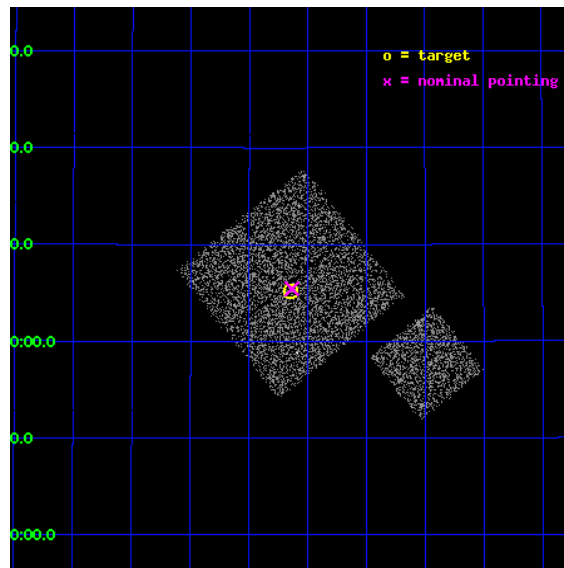
L2 Processing Date : Oct 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

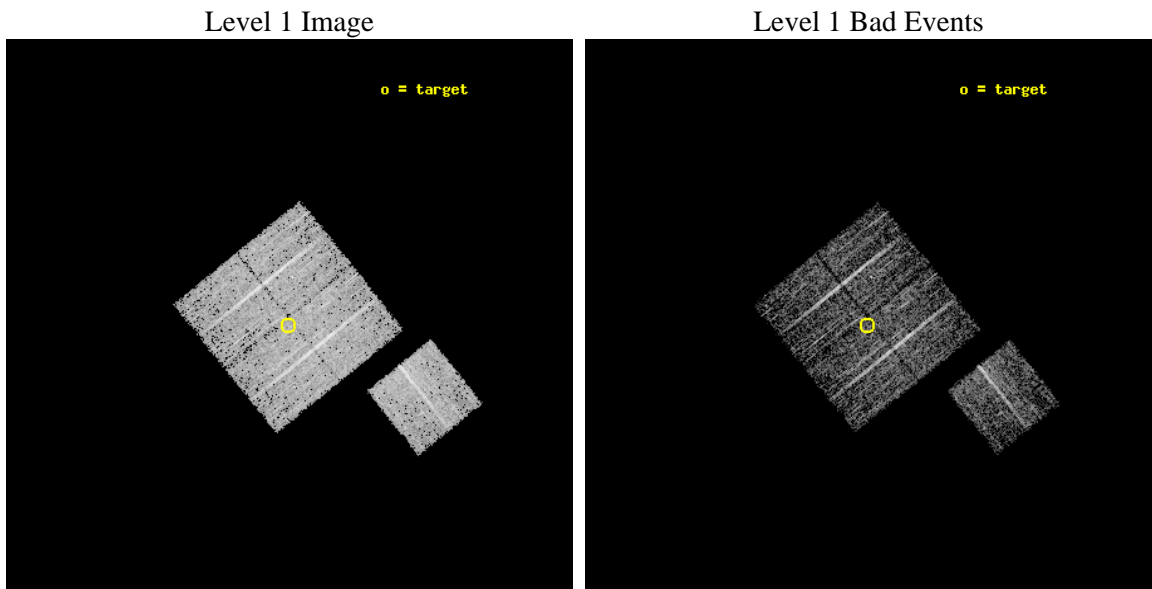
seq_num	900228	Sequence number
obs_id	3628	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F39	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.536665	Observer's specified target RA [deg]
dec_targ	35.08647	Observer's specified target Dec [deg]
ra_nom	219.53404792896	Nominal RA [deg]
dec_nom	35.090560833789	Nominal Dec [deg]
roll_nom	141.01019157481	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4671.0399512649	Sum of GTIs [s]
livetime	4610.009375532	Livetime [s]
ontime0	4670.9168312848	Sum of GTIs [s]
ontime1	4667.8168710768	Sum of GTIs [s]
ontime2	4674.1398814917	Sum of GTIs [s]
ontime3	4671.0399512649	Sum of GTIs [s]
ontime6	4670.8757912219	Sum of GTIs [s]
l2events	9974	Number of level 2 events



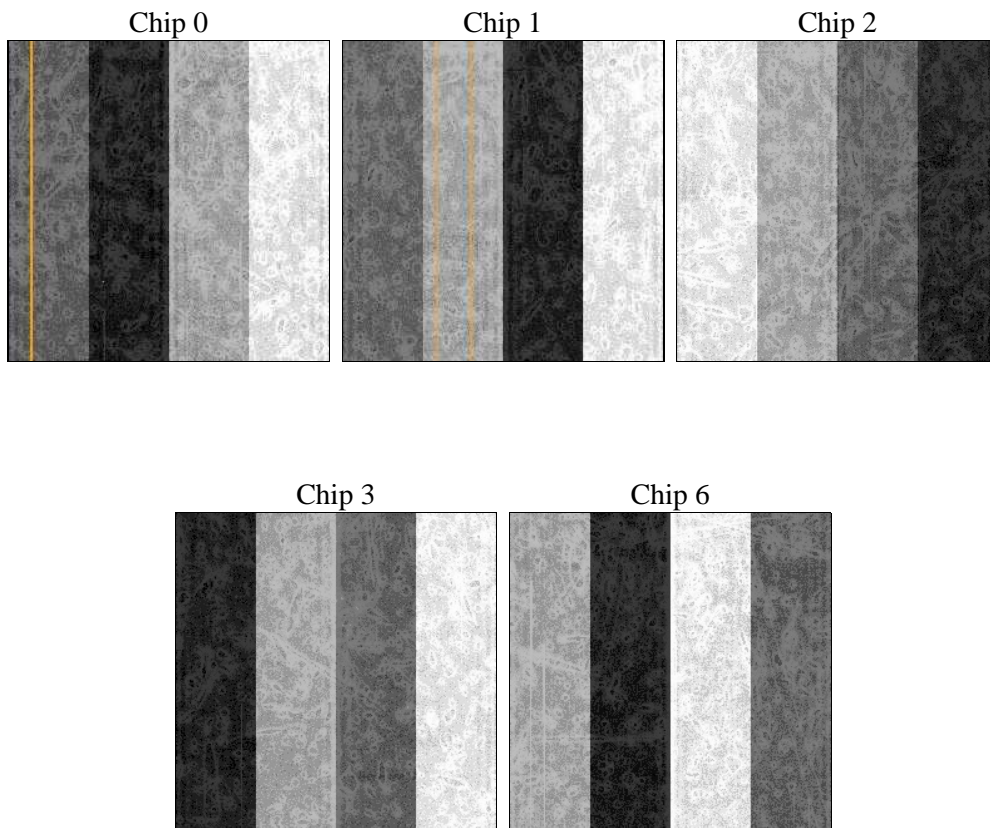
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4671.0399512649	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4670.9168312848	Sum of GTIs [s]
date	2012-10-26T00:16:48	Date and time of file creation	ontime1	4667.8168710768	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4674.1398814917	Sum of GTIs [s]
			ontime3	4671.0399512649	Sum of GTIs [s]
			ontime6	4670.8757912219	Sum of GTIs [s]
			l1events	114263	Number of level 1 events

2.1.4 Events

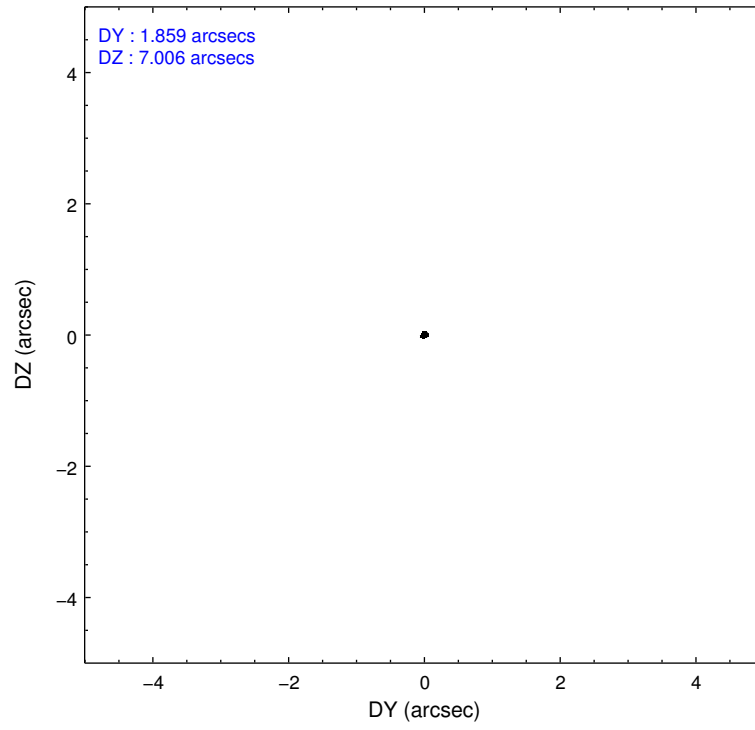
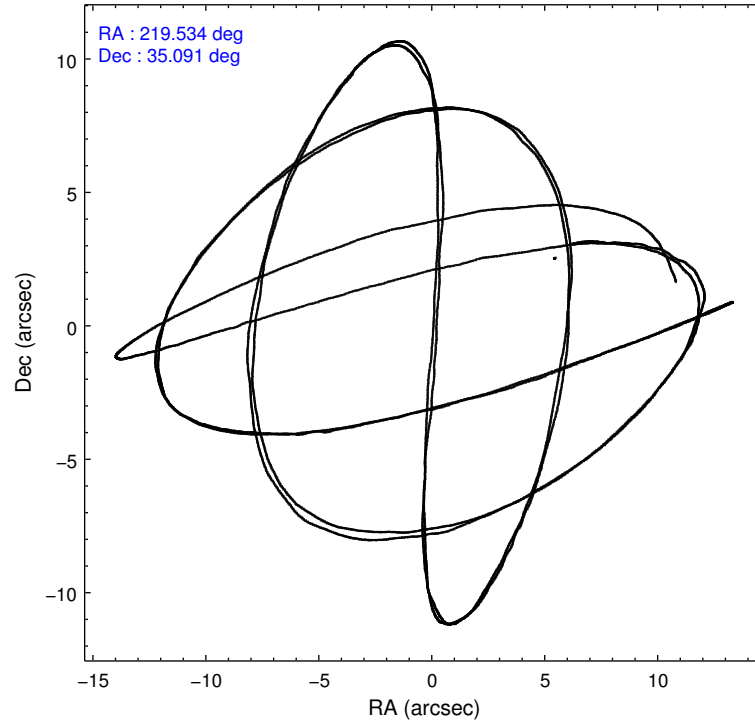
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22781	21110	24243	22979	23150
rejected events	20344	18600	21822	20553	20734
rejected %	89%	88%	90%	89%	89%

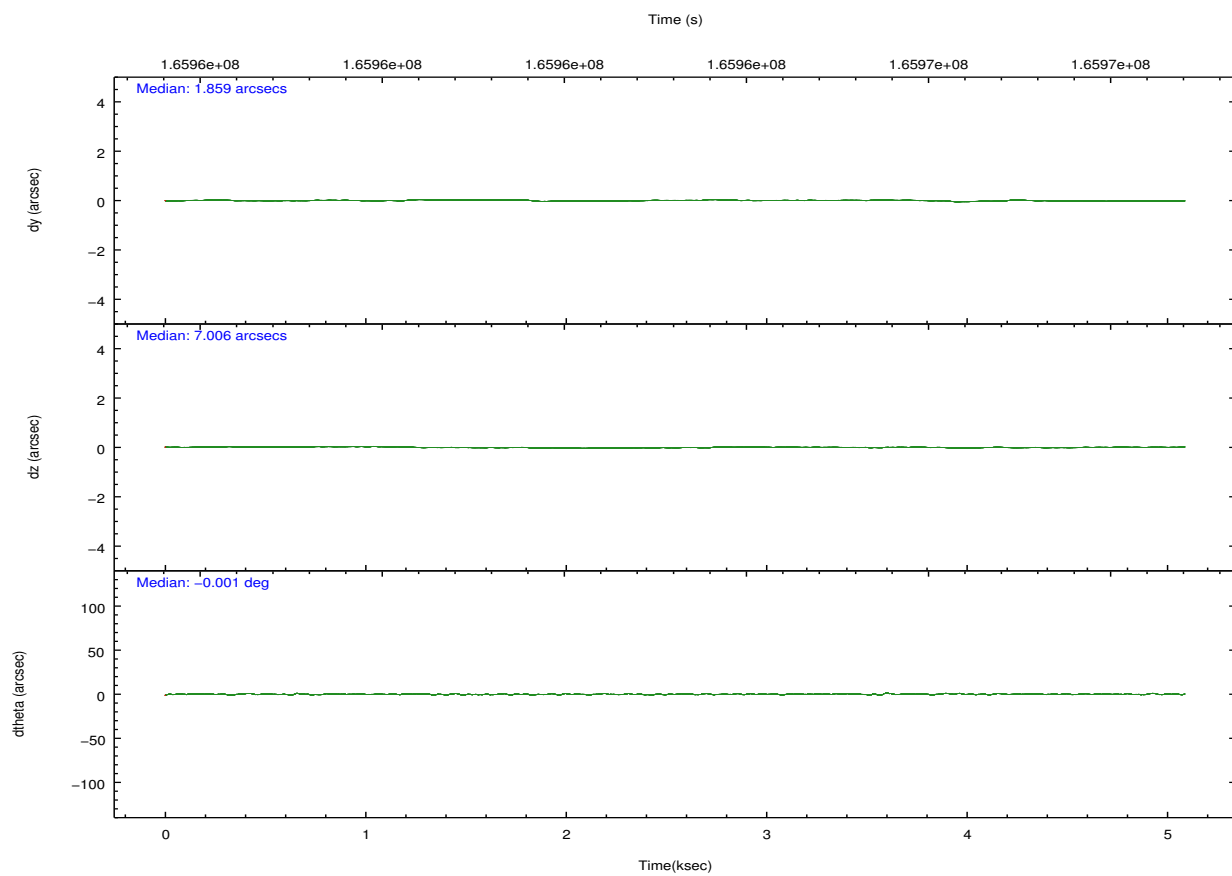
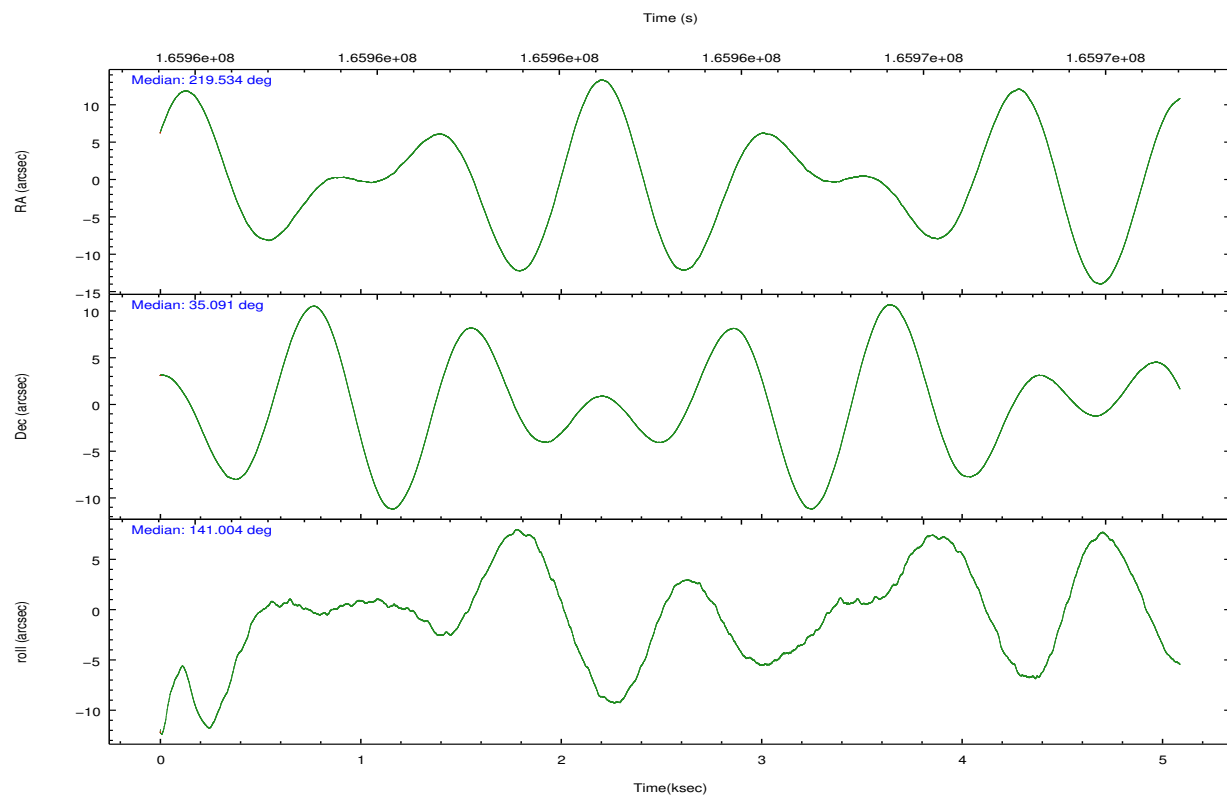
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	885	880	945	961	945
	3%	4%	3%	4%	4%
grade 1 events	10	9	7	10	9
	0%	0%	0%	0%	0%
grade 2 events	542	530	578	509	452
	2%	2%	2%	2%	1%
grade 3 events	290	309	244	246	287
	1%	1%	1%	1%	1%
grade 4 events	287	298	263	251	272
	1%	1%	1%	1%	1%
grade 5 events	629	703	632	796	760
	2%	3%	2%	3%	3%
grade 6 events	438	495	394	461	466
	1%	2%	1%	2%	2%
grade 7 events	19700	17886	21180	19745	19959
	86%	84%	87%	85%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	219.567071	219.5340479289638	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.086394	35.09056083378886	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782517	141.0101915748135	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	165962252.184000	165961875.62404			
Observation start date	2003-04-05T20:36:28	2003-04-05T20:31:15			
[s] Observation end time (MET)	165967152.184000	165967285.57427			
Observation end date	2003-04-05T21:58:08	2003-04-05T22:01:25			
Read mode	TIMED	TIMED			

2.3 Aspect



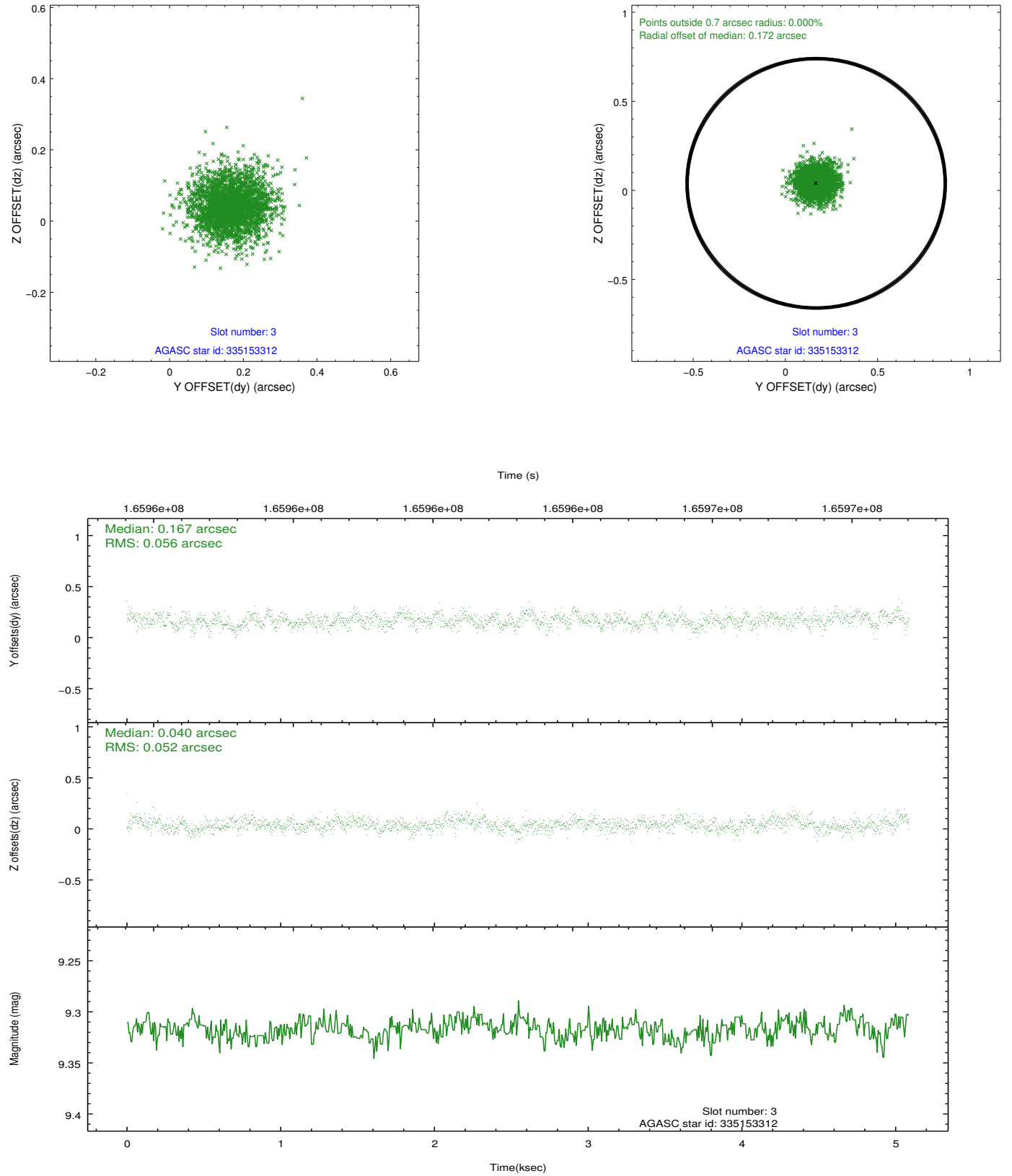


Slot Statistics

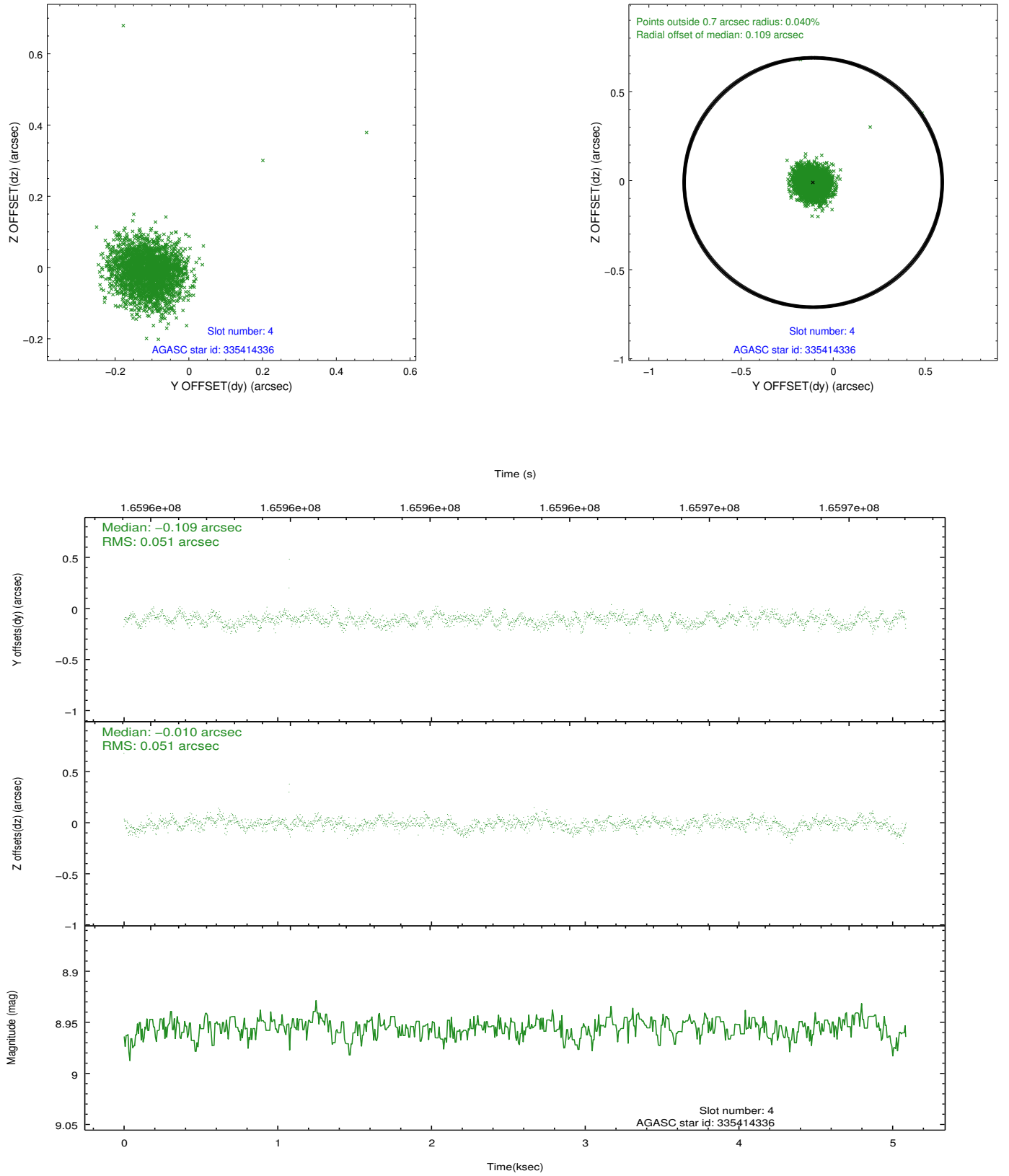
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1242	0.009	0.010	0.006	0.011	0.000000	0.000000	937.95	-830.41
1	FID	ACIS-I-5	7.24	1242	-0.076	0.053	0.006	0.010	0.000000	0.000000	-1809.53	1066.60
2	FID	ACIS-I-6	7.26	1242	-0.024	0.007	0.006	0.011	0.000000	0.000000	402.24	1712.35
3	GUIDE	335153312	9.32	2482	0.167	0.040	0.081	0.132	220.353946	34.889761	-2241.25	-927.46
4	GUIDE	335414336	8.96	2483	-0.109	-0.010	0.075	0.117	218.979022	35.090910	1354.71	1078.63
5	GUIDE	335544864	8.32	2483	-0.019	0.090	0.069	0.113	220.434915	35.240289	-1618.69	-2050.49
6	GUIDE	335545712	9.87	2482	0.058	0.129	0.104	0.174	220.165930	35.199137	-1105.06	-1433.03
7	GUIDE	335023304	8.41	2482	-0.096	-0.248	0.084	0.130	218.883608	34.686545	661.25	2388.52

2.4 Star Slots

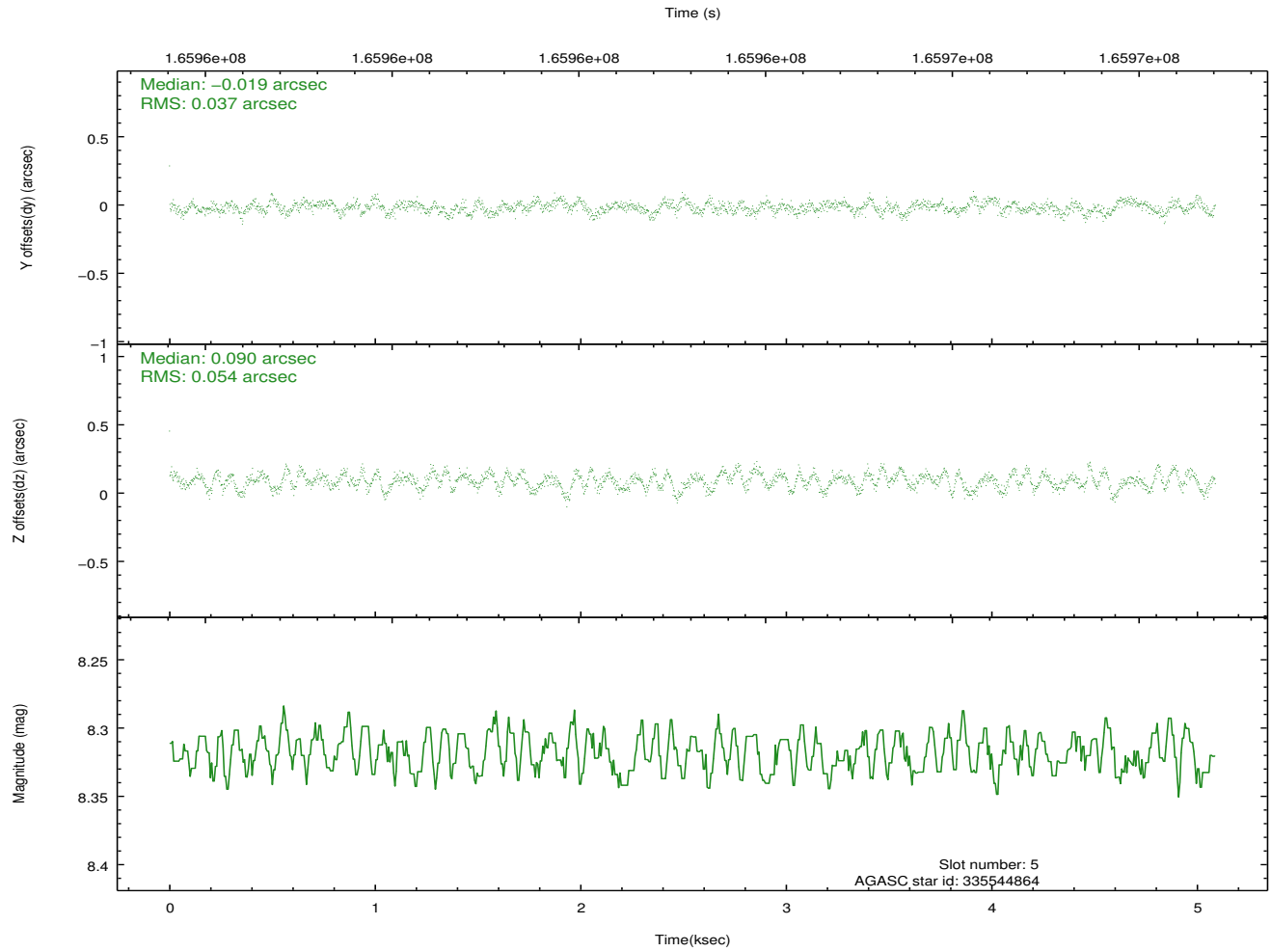
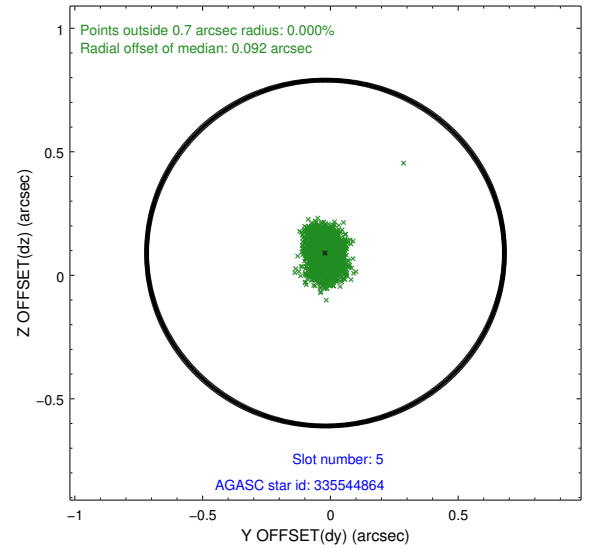
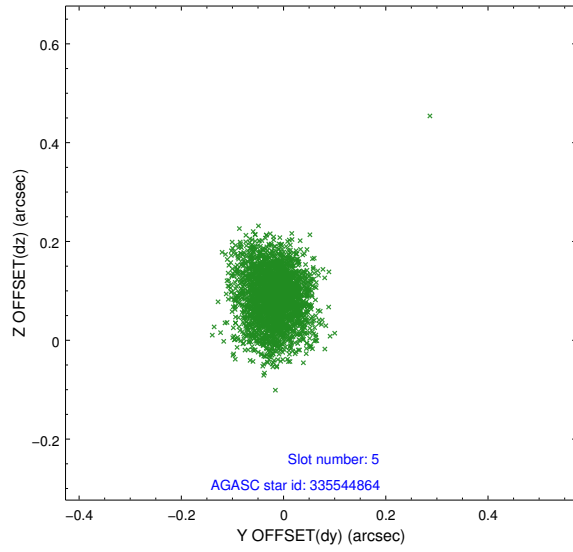
2.4.1 Slot 3



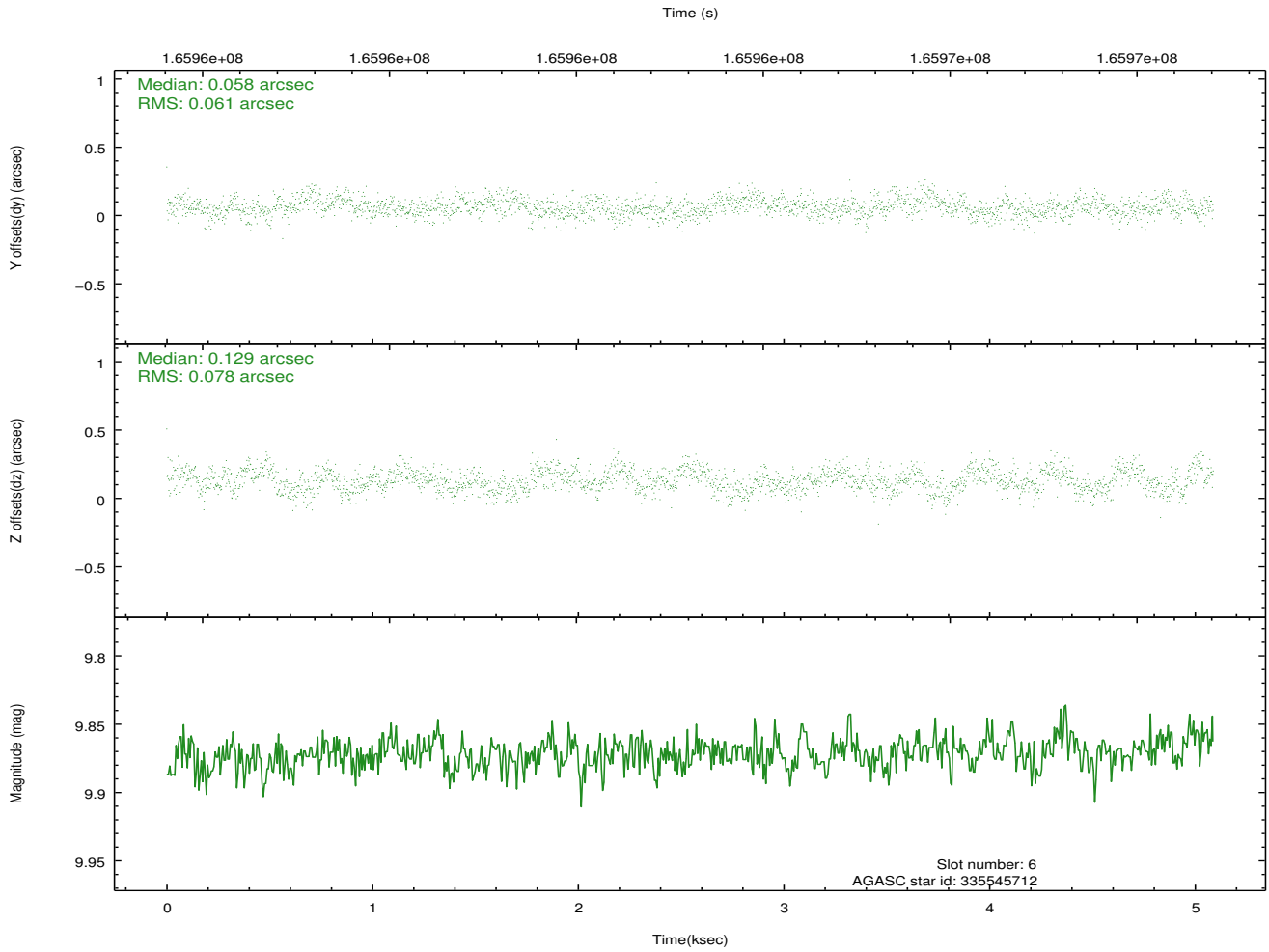
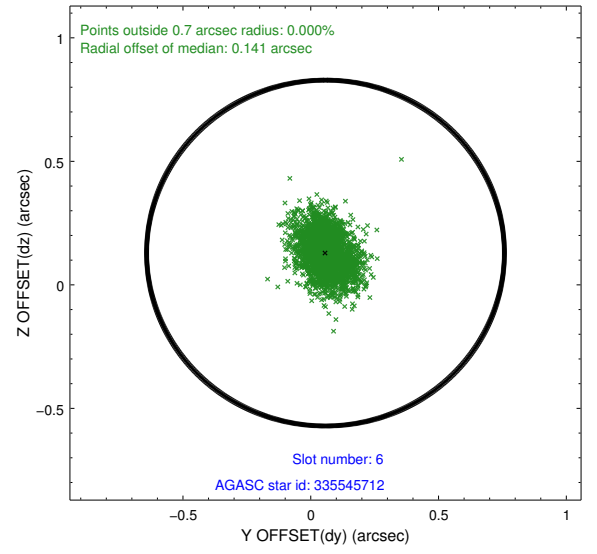
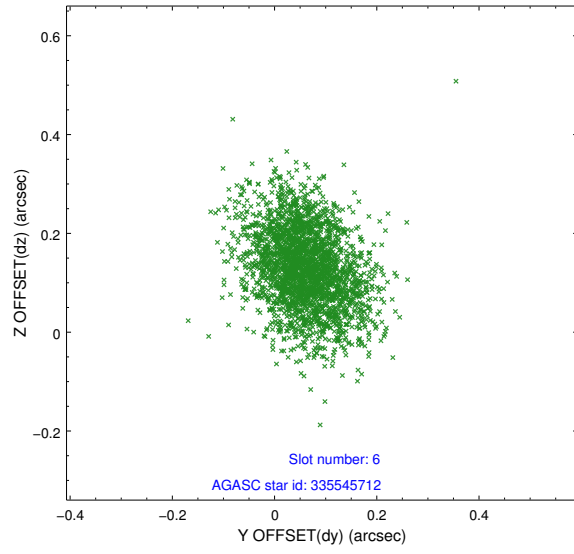
2.4.2 Slot 4



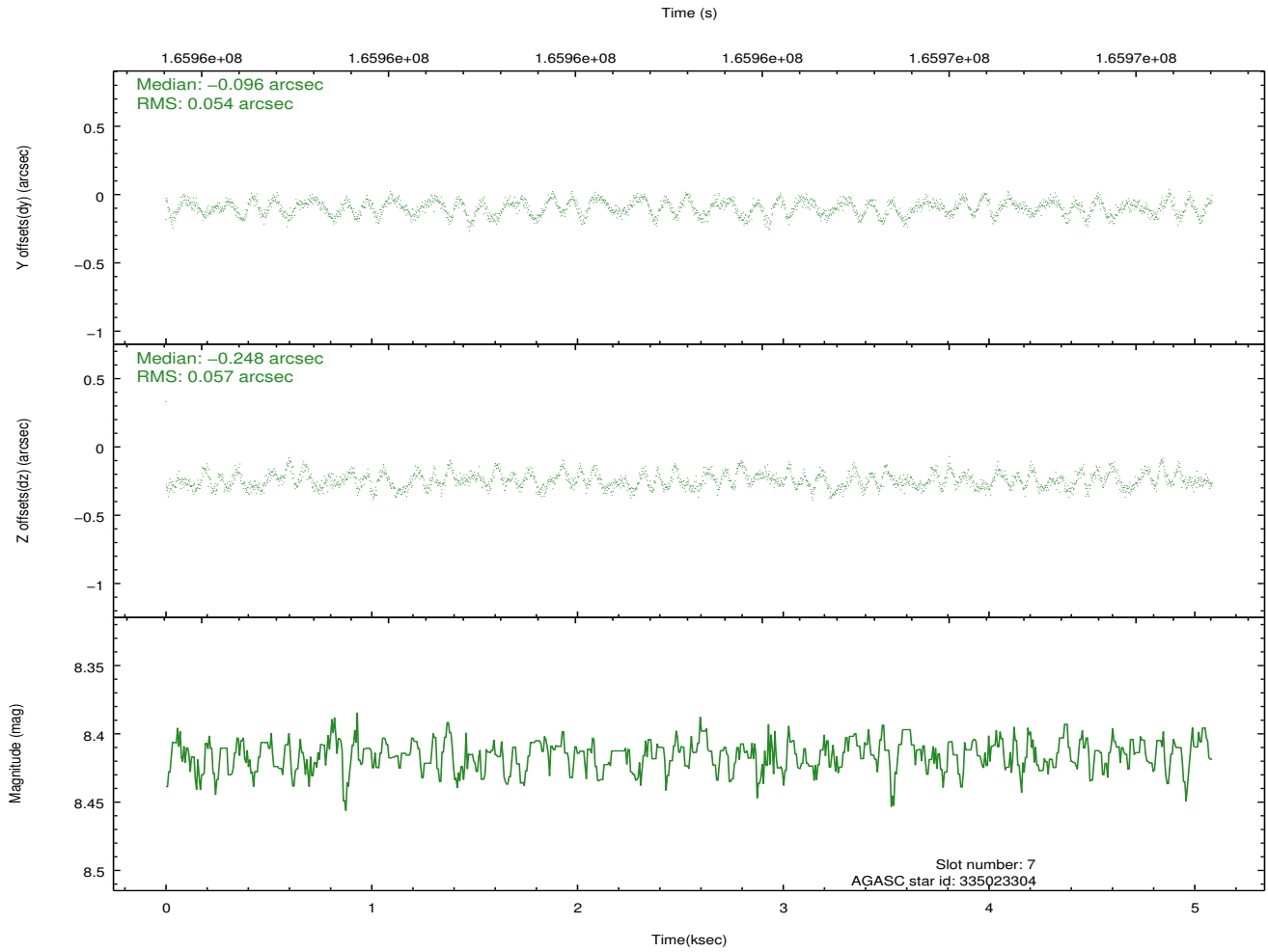
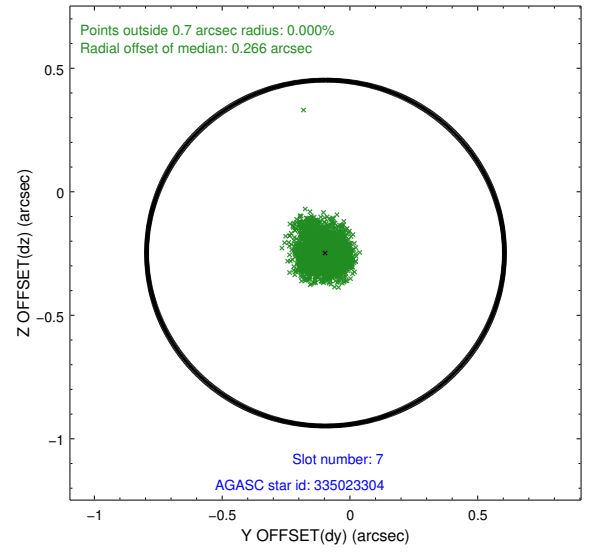
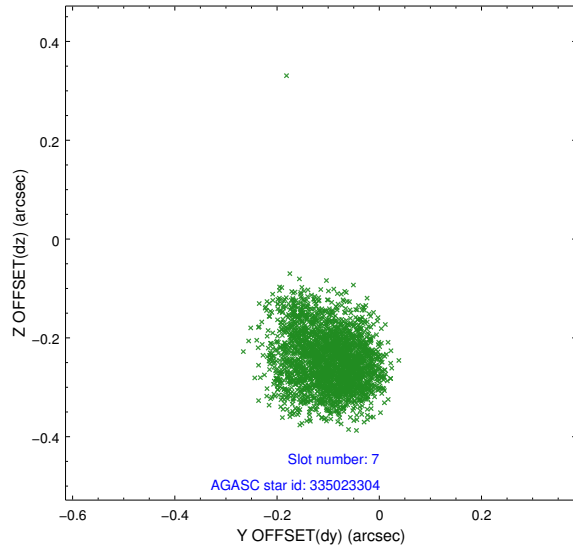
2.4.3 Slot 5



2.4.4 Slot 6

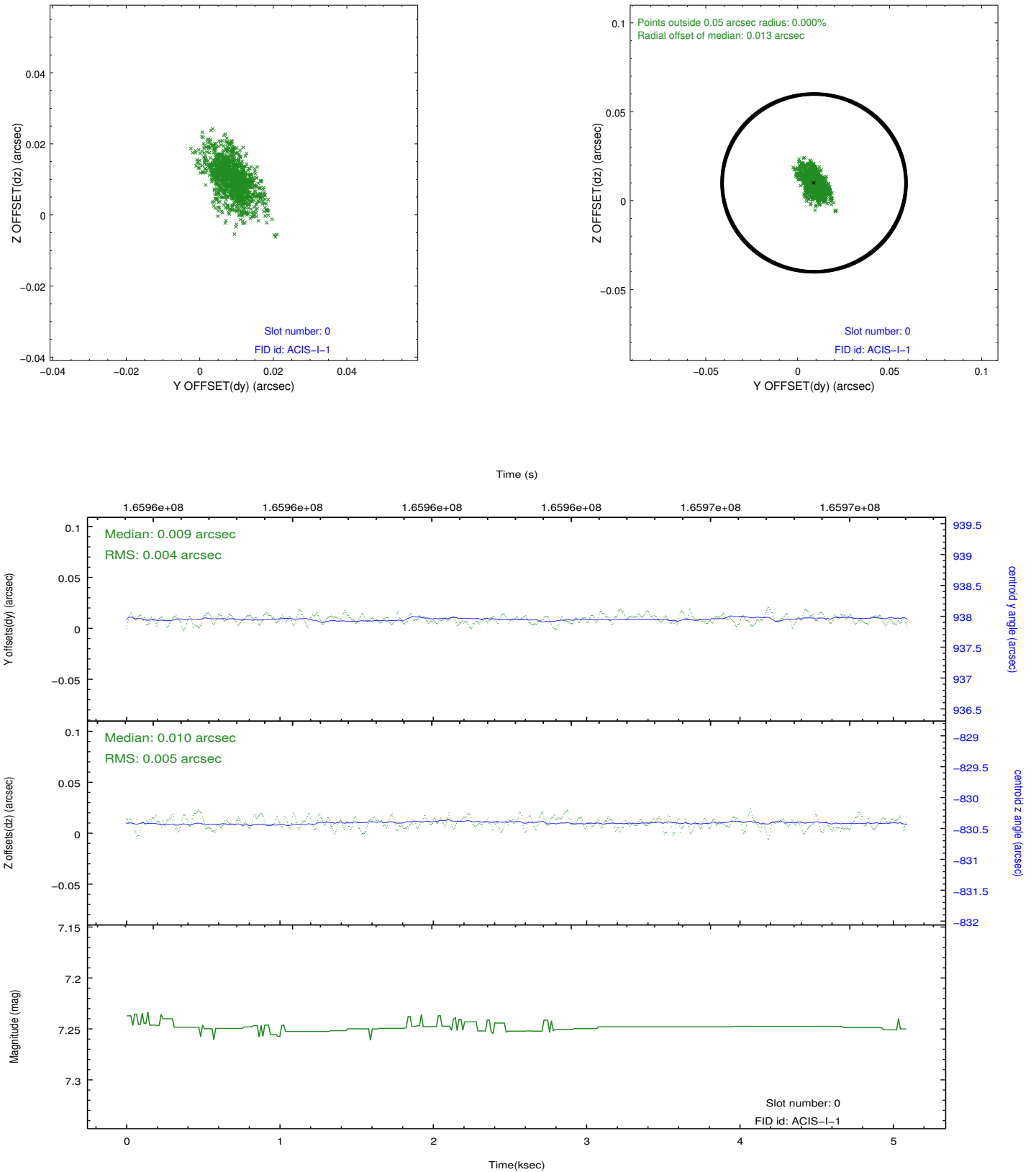


2.4.5 Slot 7

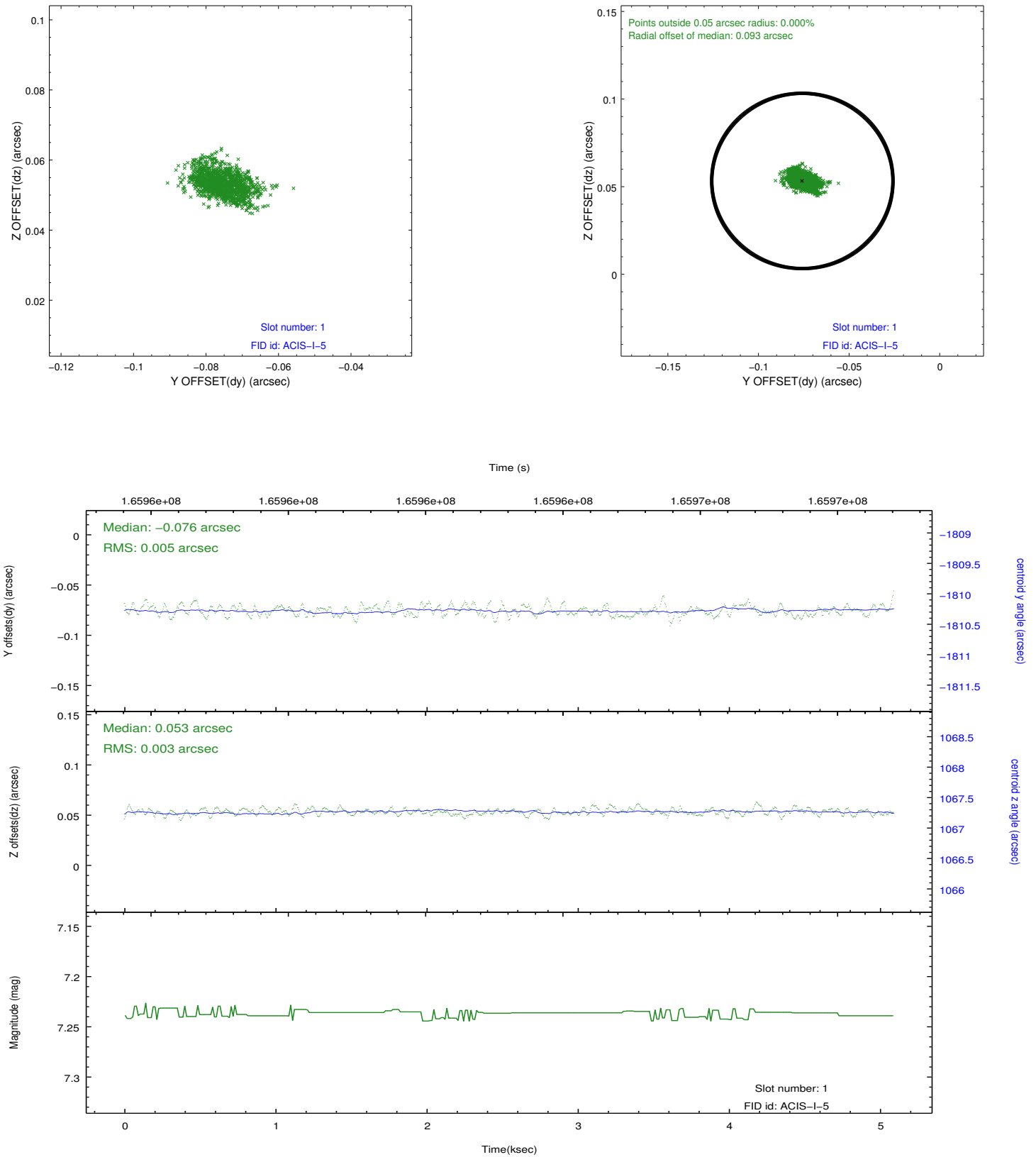


2.5 FID Slots

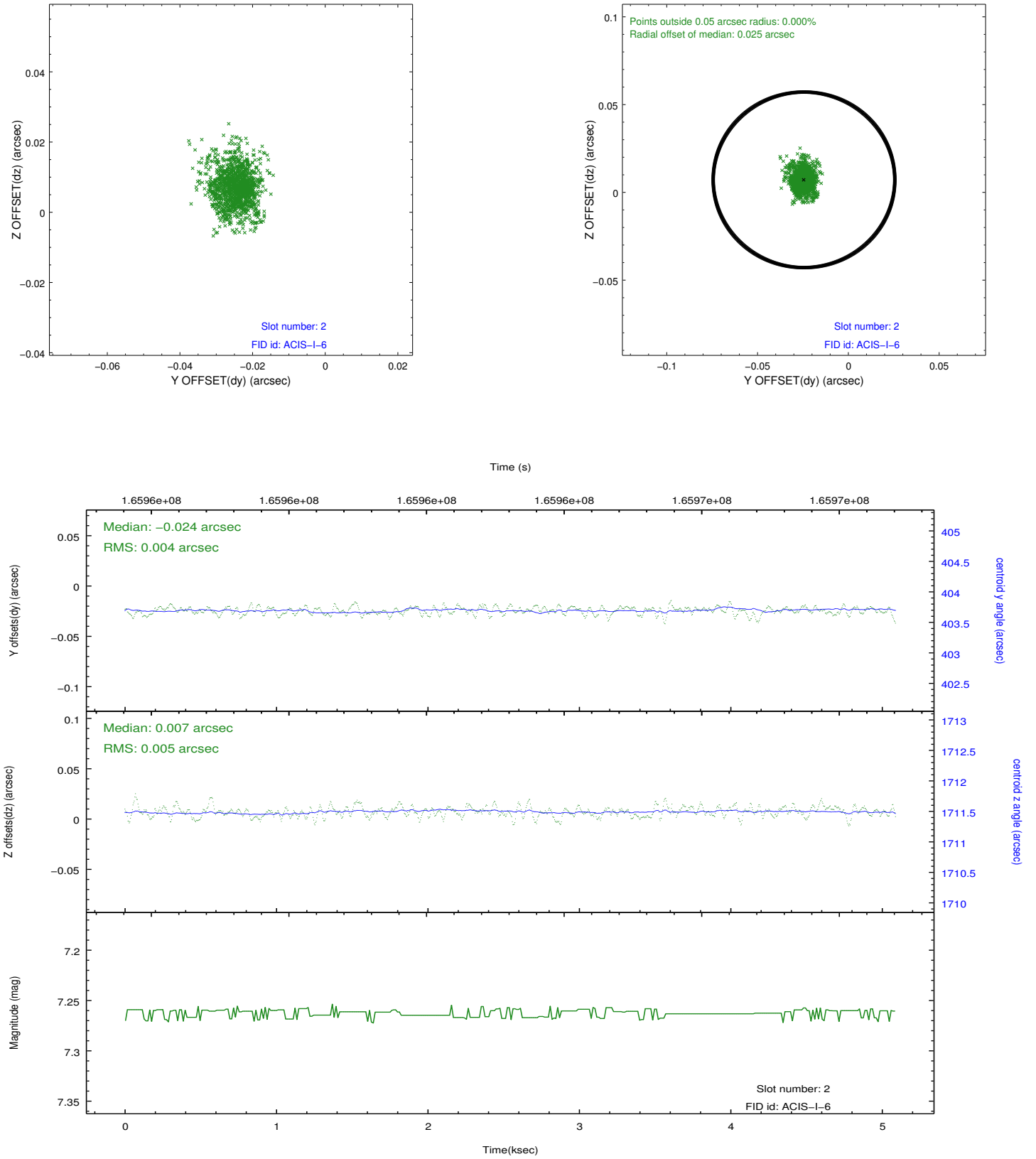
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.671

A.2 Comments