

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3625 - L2 Version 3
Chandra X-Ray Center

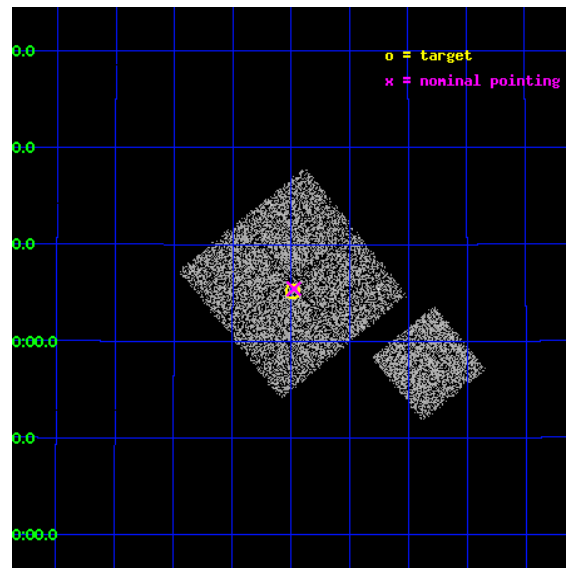
L2 Processing Date : Oct 25 2012

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

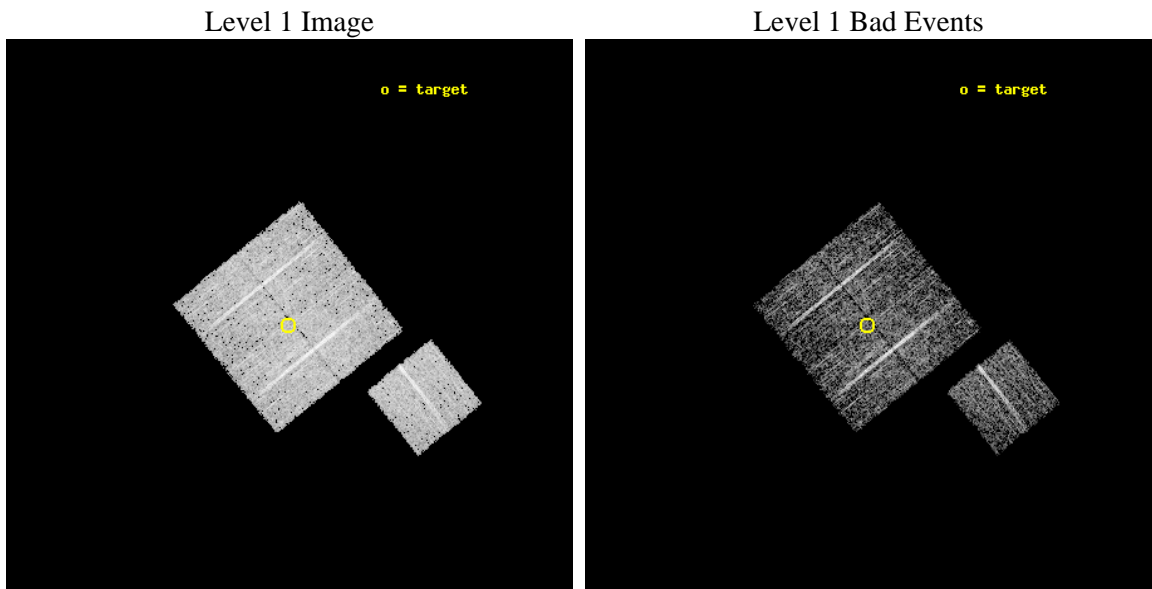
seq_num	900225	Sequence number
obs_id	3625	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.246914	Observer's specified target RA [deg]
dec_targ	35.08647	Observer's specified target Dec [deg]
ra_nom	218.24412865401	Nominal RA [deg]
dec_nom	35.090513266826	Nominal Dec [deg]
roll_nom	141.0102796942	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4742.4195846915	Sum of GTIs [s]
livetime	4680.456381499	Livetime [s]
ontime0	4745.4374648333	Sum of GTIs [s]
ontime1	4745.4785048366	Sum of GTIs [s]
ontime2	4742.3785645664	Sum of GTIs [s]
ontime3	4742.4195846915	Sum of GTIs [s]
ontime6	4745.39642483	Sum of GTIs [s]
l2events	18640	Number of level 2 events



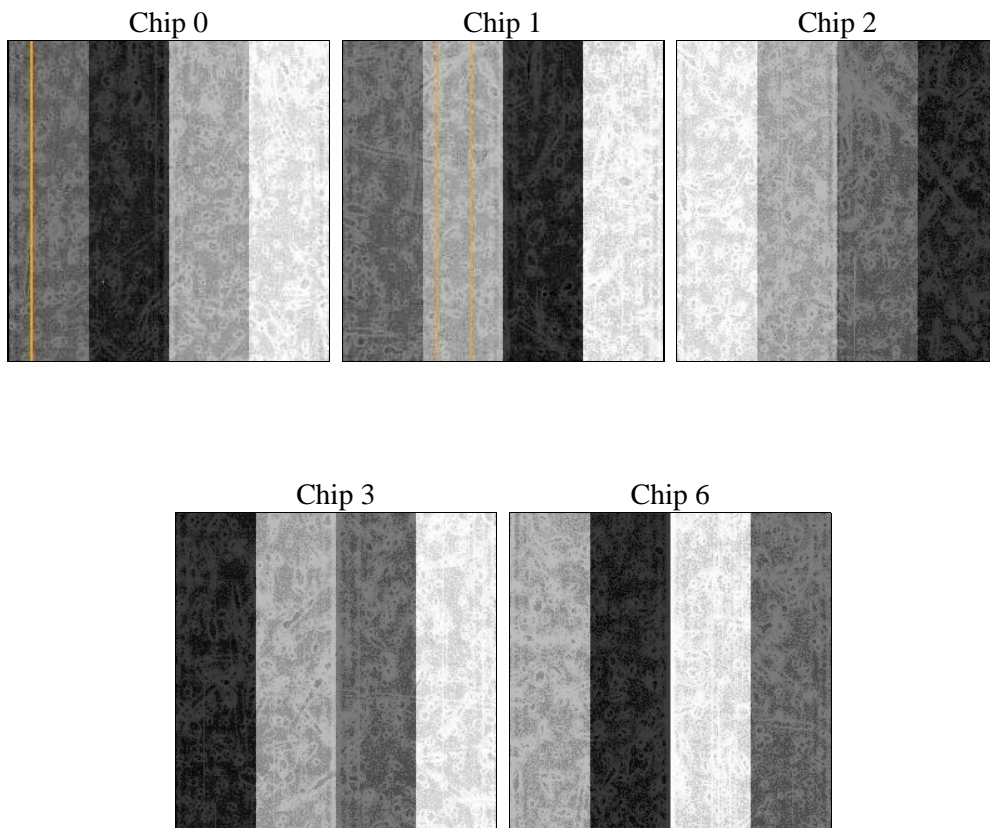
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4967.084000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4742.4195846915	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4745.4374648333	Sum of GTIs [s]
date	2012-10-25T23:18:25	Date and time of file creation	ontime1	4745.4785048366	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4742.3785645664	Sum of GTIs [s]
			ontime3	4742.4195846915	Sum of GTIs [s]
			ontime6	4745.39642483	Sum of GTIs [s]
			l1events	128144	Number of level 1 events

2.1.4 Events

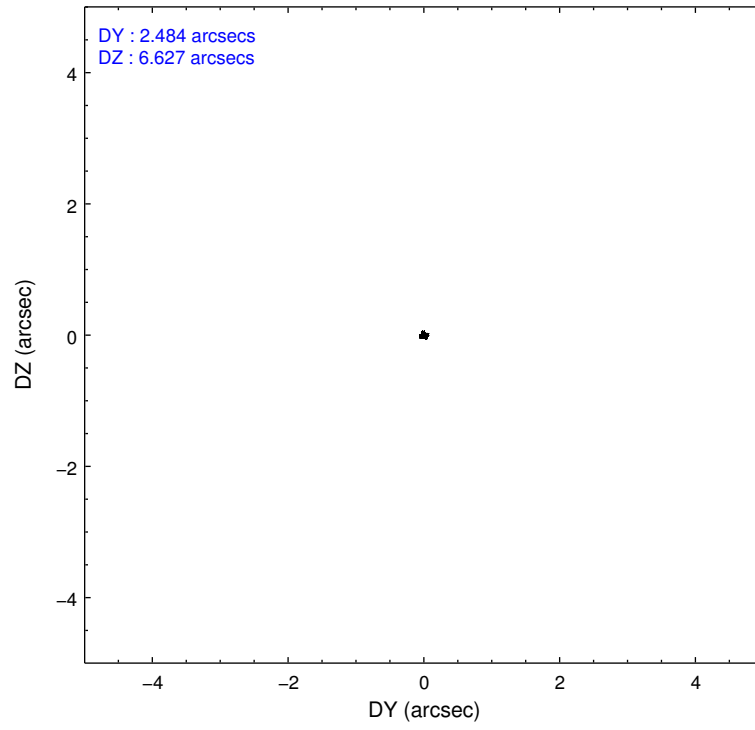
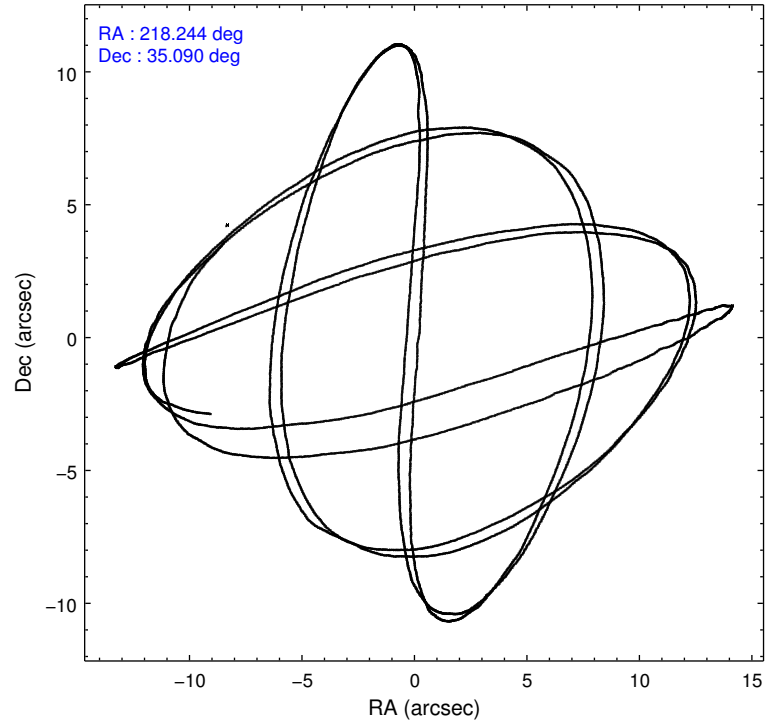
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	25207	23767	26359	26916	25895
rejected events	20907	19565	22283	22922	21210
rejected %	82%	82%	84%	85%	81%

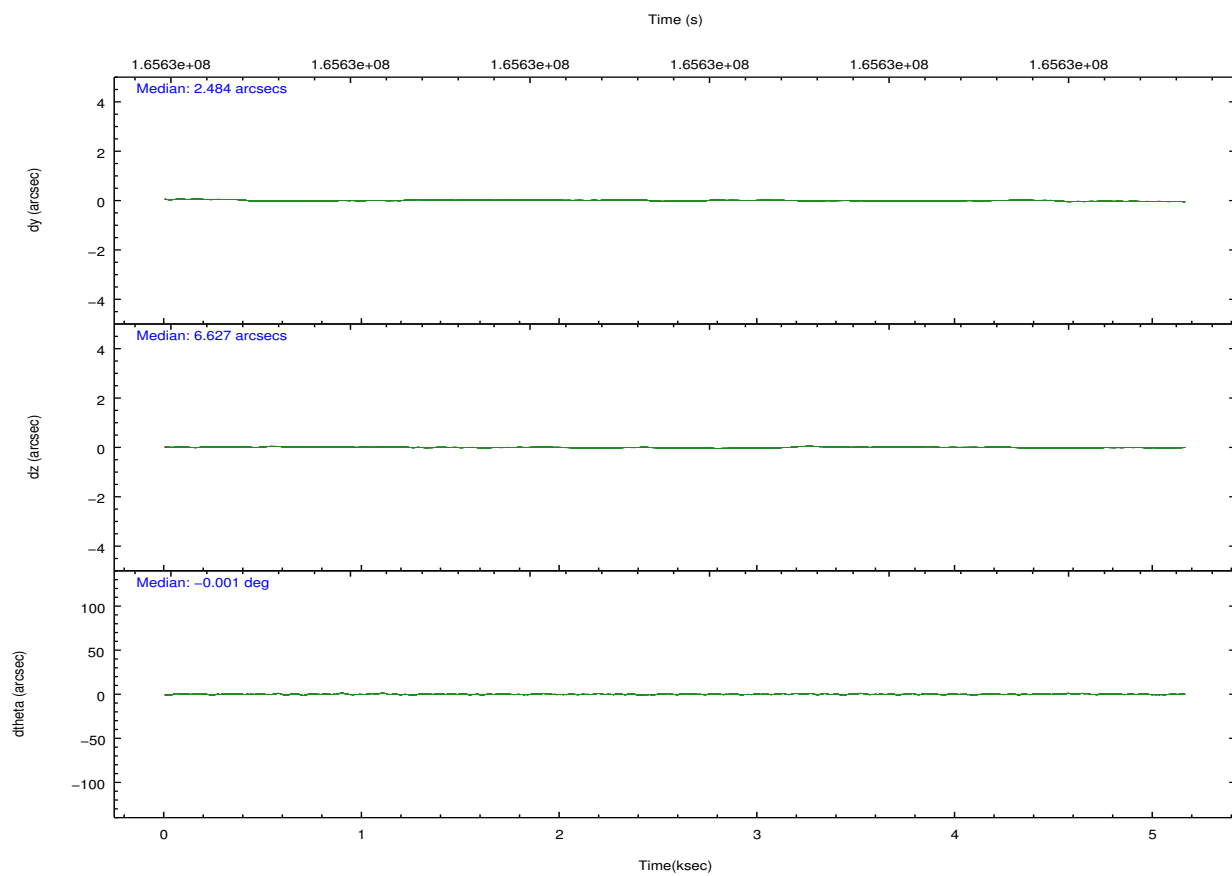
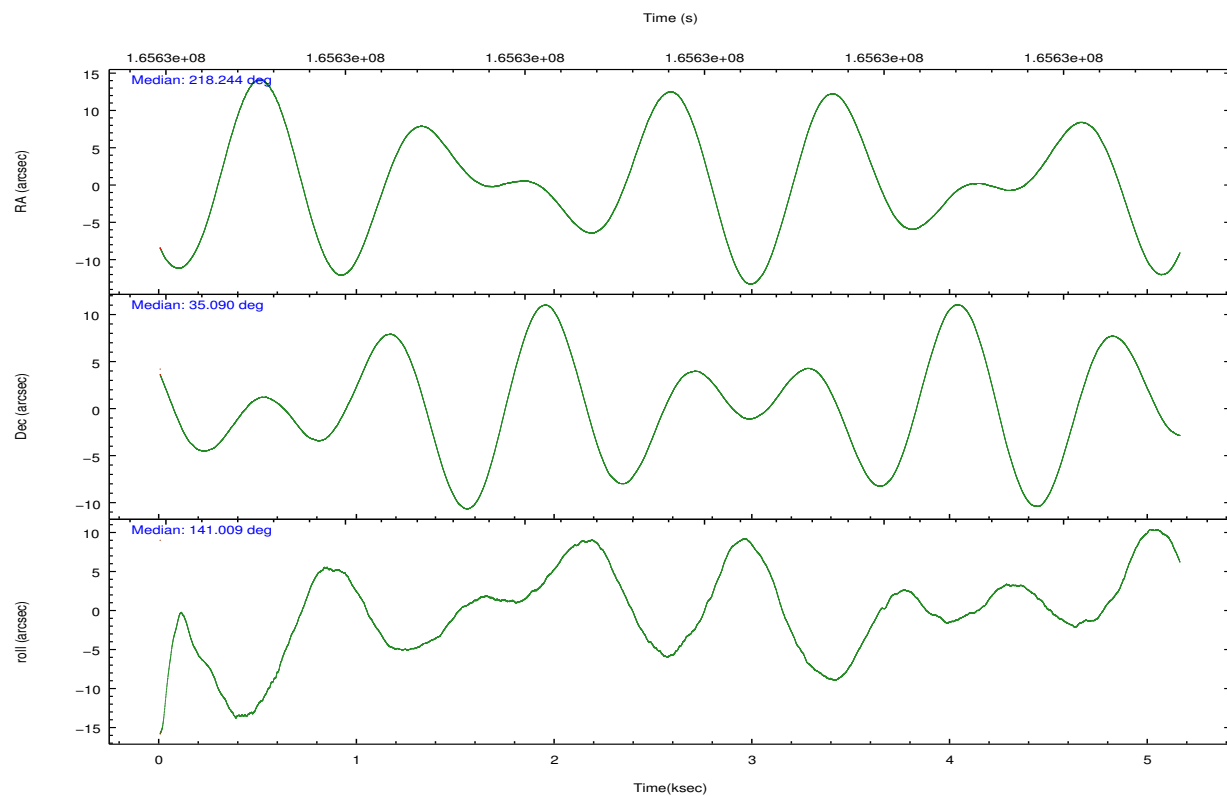
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1962	1847	1931	1890	2354
	7%	7%	7%	7%	9%
grade 1 events	16	13	16	14	16
	0%	0%	0%	0%	0%
grade 2 events	833	805	765	684	742
	3%	3%	2%	2%	2%
grade 3 events	388	401	343	368	432
	1%	1%	1%	1%	1%
grade 4 events	350	350	354	370	347
	1%	1%	1%	1%	1%
grade 5 events	661	737	618	786	765
	2%	3%	2%	2%	2%
grade 6 events	771	801	686	686	814
	3%	3%	2%	2%	3%
grade 7 events	20226	18813	21646	22118	20425
	80%	79%	82%	82%	78%

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	218.277324	218.2441286540075	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.086393	35.09051326682604	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782521	141.0102796942016	[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)	165626423.184000	165626046.65987			
Observation start date	2003-04-01T23:19:19	2003-04-01T23:14:06			
[s] Observation end time (MET)	165631390.184000	165631704.14761			
Observation end date	2003-04-02T00:42:06	2003-04-02T00:48:24			
Read mode	TIMED	TIMED			

2.3 Aspect



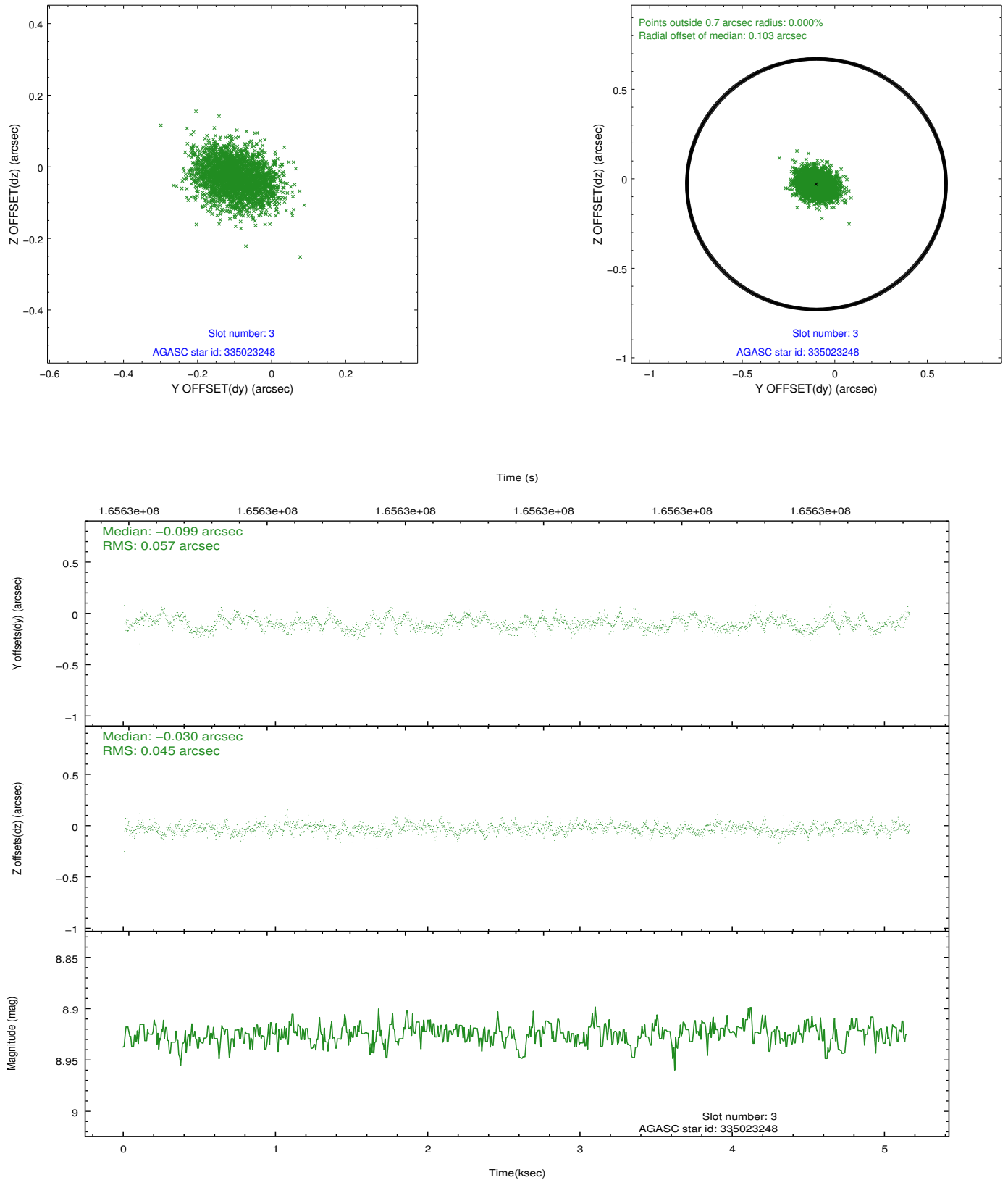


Slot Statistics

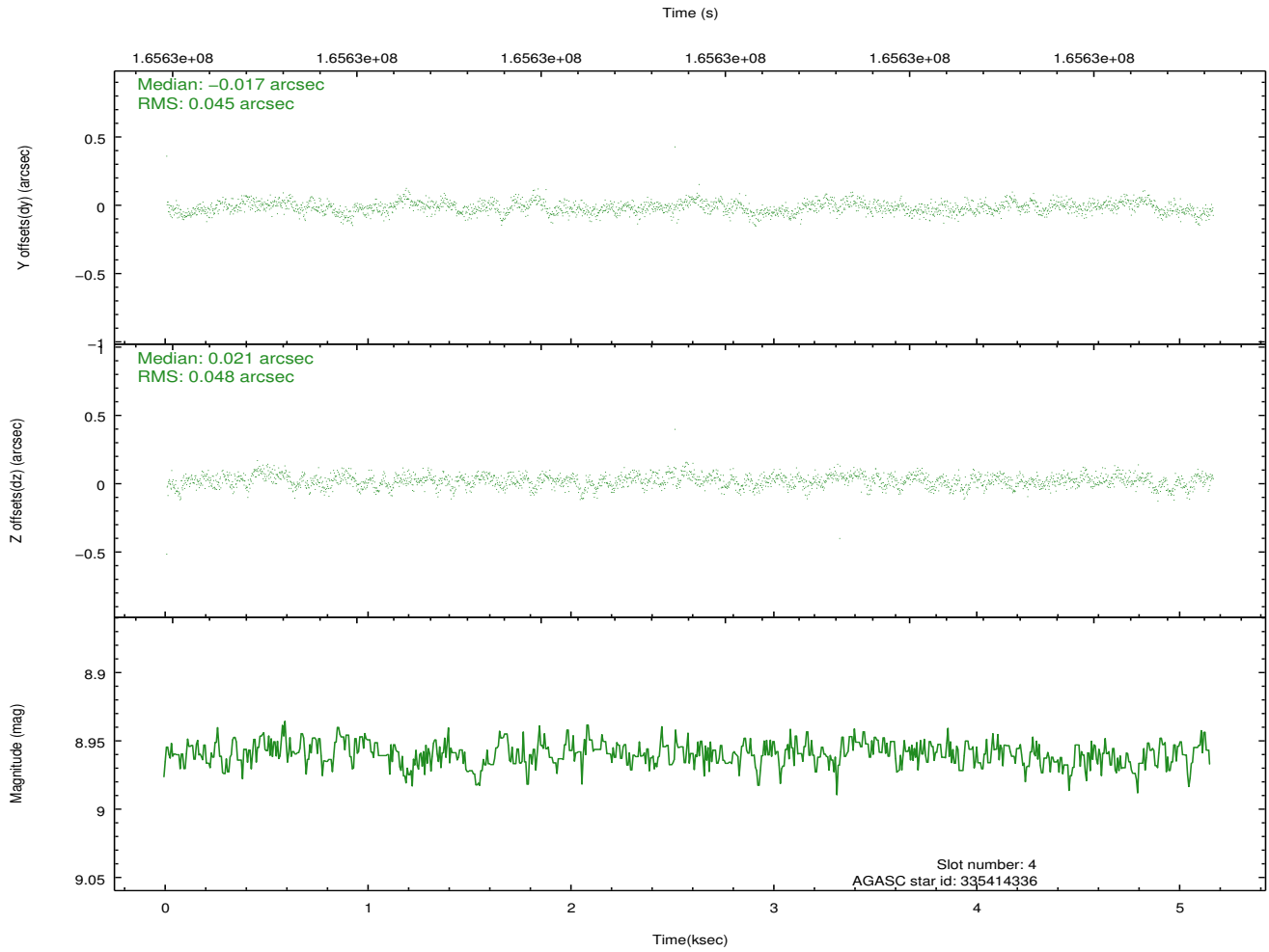
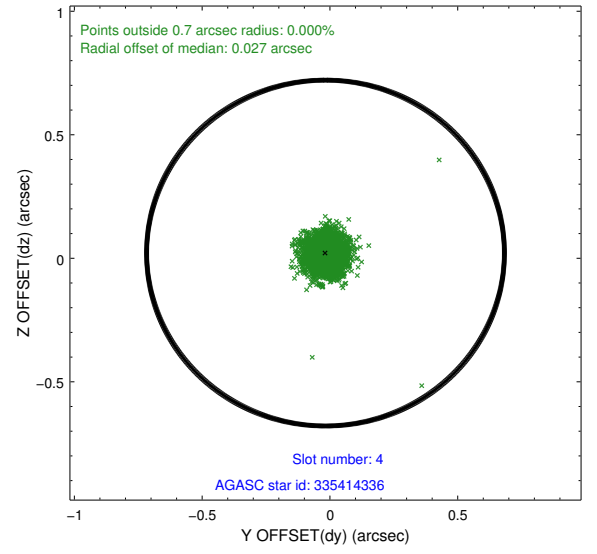
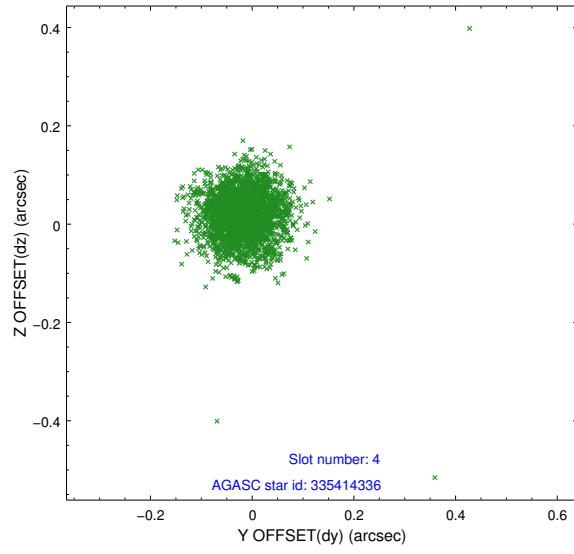
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1258	0.014	-0.007	0.007	0.011	0.000000	0.000000	937.32	-830.03
1	FID	ACIS-I-5	7.24	1258	-0.083	0.053	0.006	0.010	0.000000	0.000000	-1810.19	1066.99
2	FID	ACIS-I-6	7.26	1259	-0.023	0.024	0.007	0.011	0.000000	0.000000	401.61	1712.75
3	GUIDE	335023248	8.92	2512	-0.099	-0.030	0.078	0.123	217.634832	34.944512	1149.81	1589.53
4	GUIDE	335414336	8.96	2513	-0.017	0.021	0.067	0.108	218.979022	35.090910	-1585.93	-1324.72
5	GUIDE	335415168	9.80	2514	0.111	-0.148	0.106	0.177	217.681296	35.301767	1850.19	501.81
6	GUIDE	335417968	9.39	2516	0.028	0.072	0.104	0.171	217.358149	35.055285	2036.55	1789.90
7	GUIDE	335421696	8.97	2515	-0.019	0.087	0.092	0.139	218.045699	35.772449	2087.00	-1485.74

2.4 Star Slots

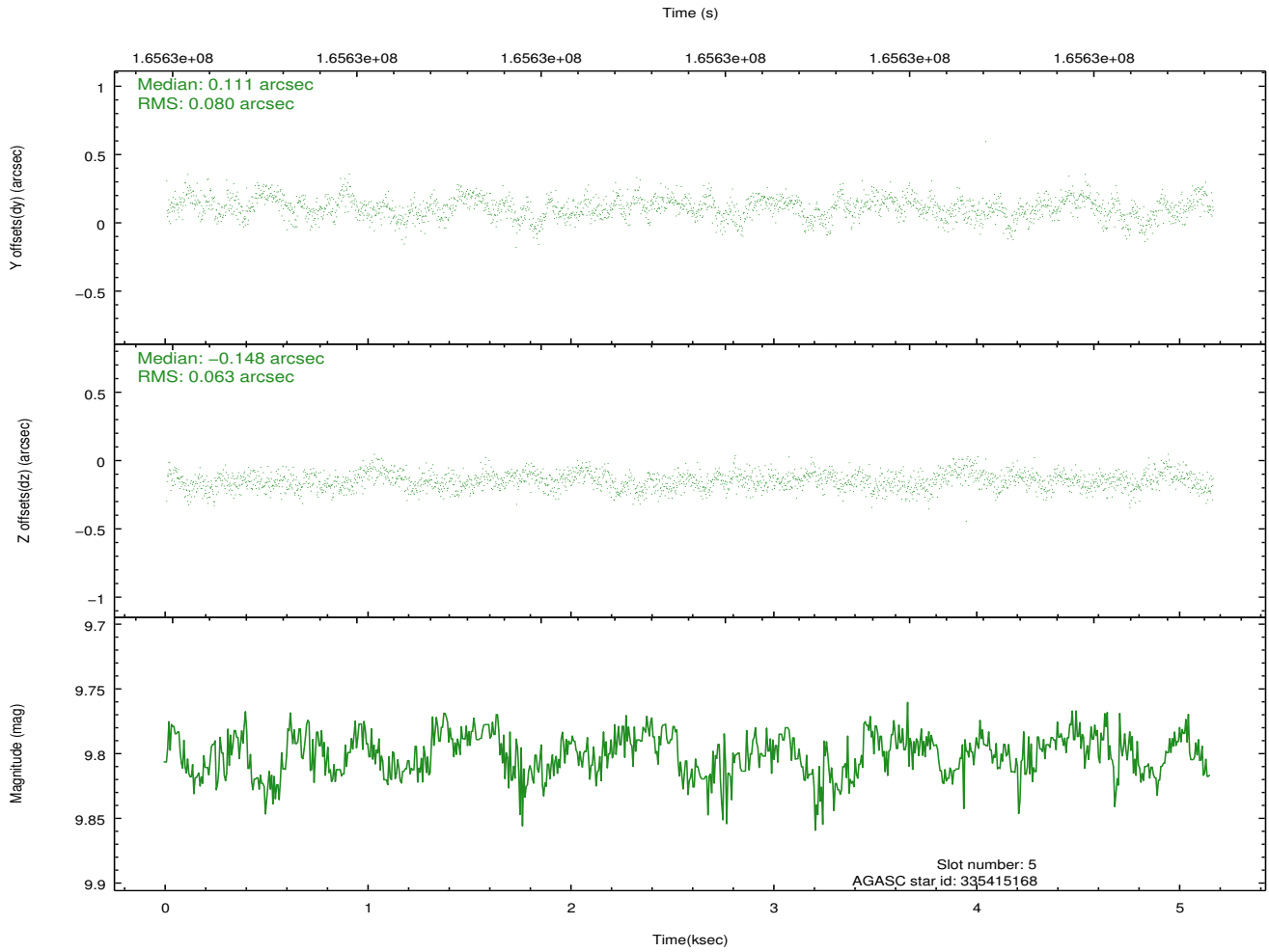
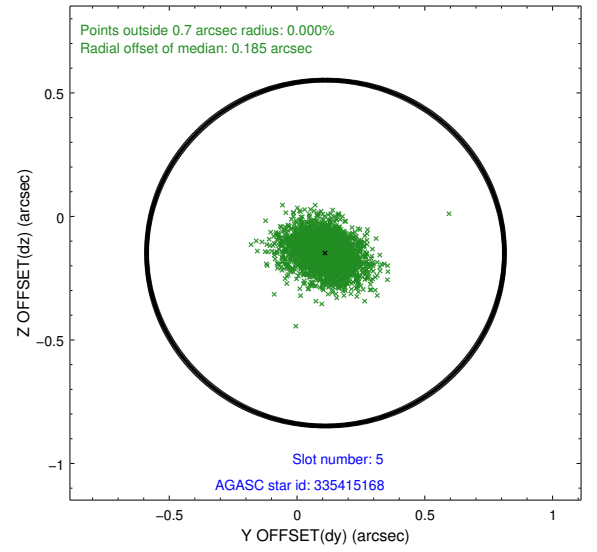
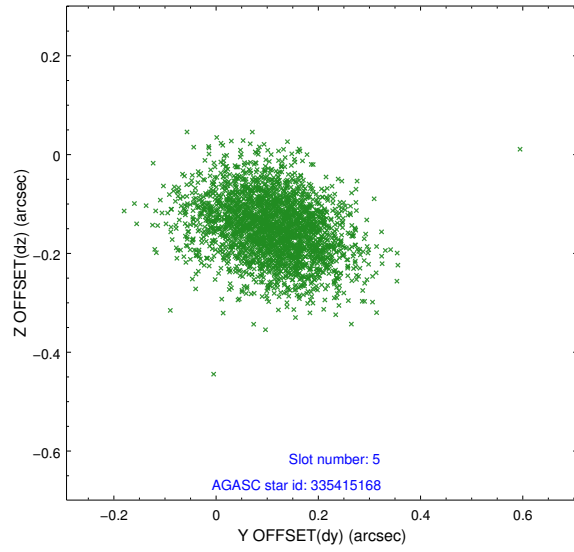
2.4.1 Slot 3



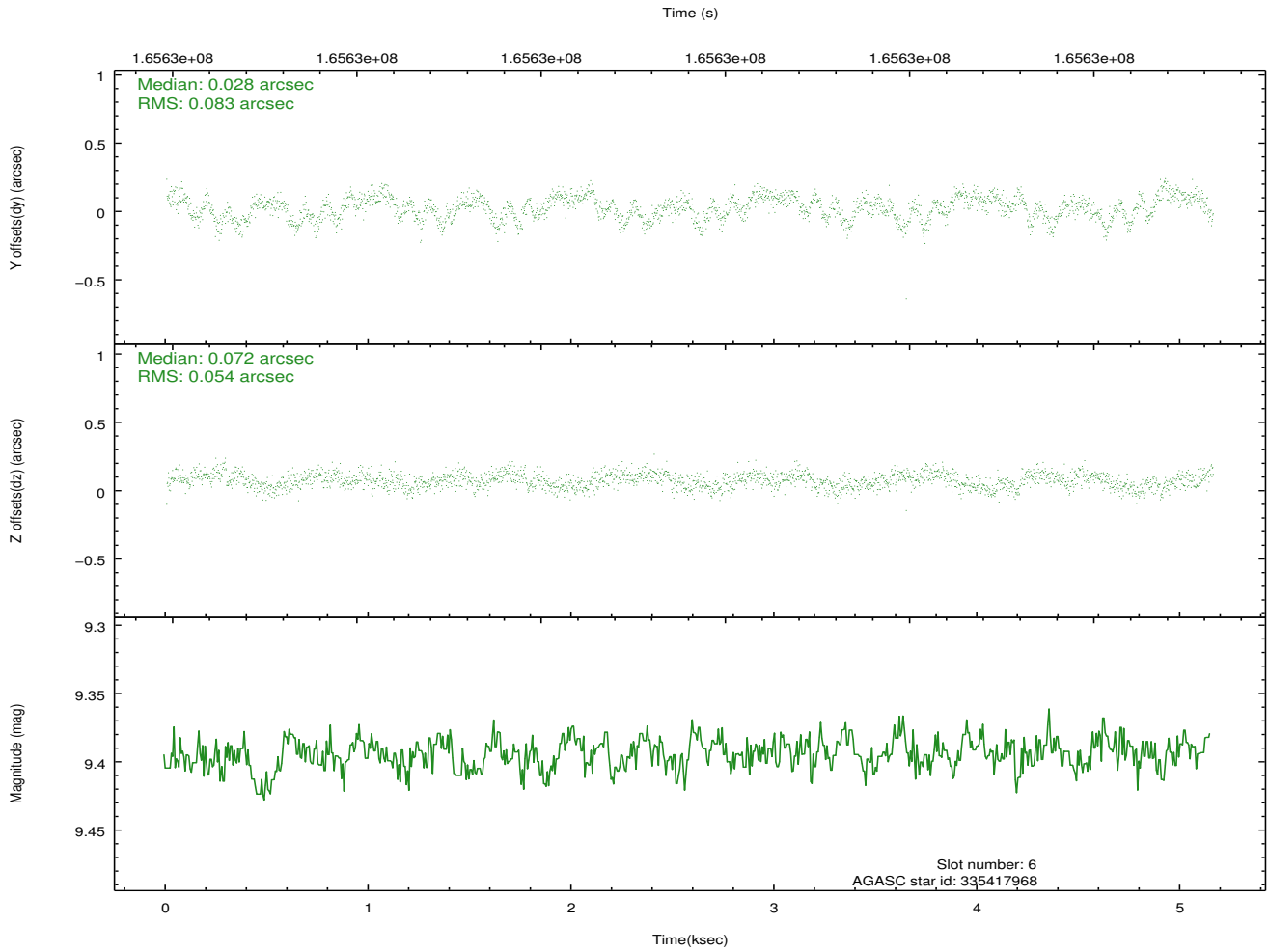
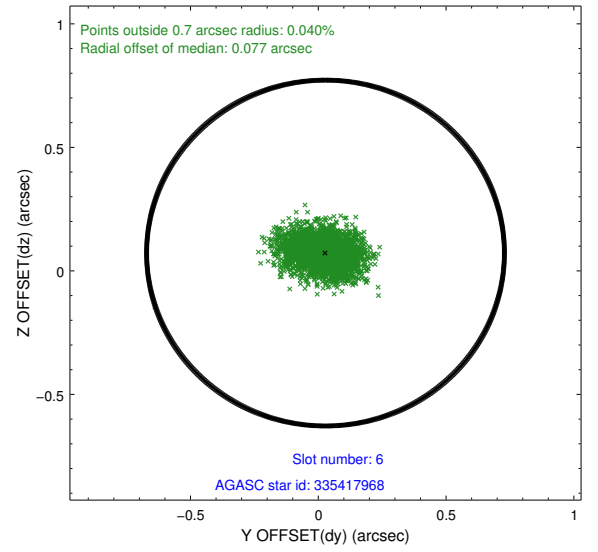
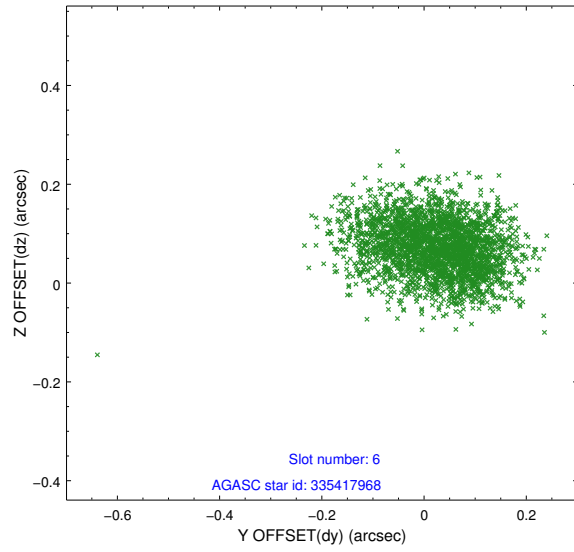
2.4.2 Slot 4



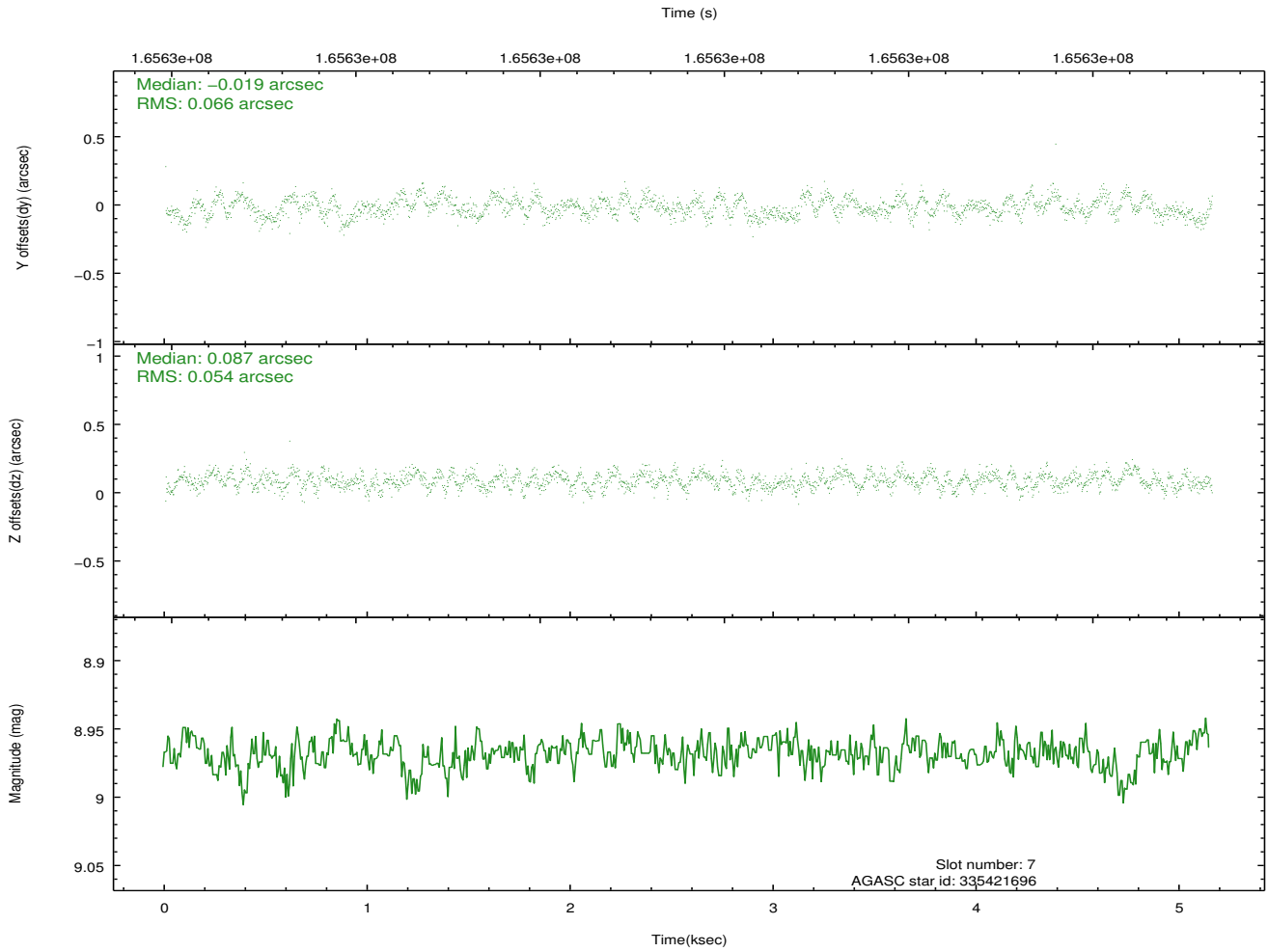
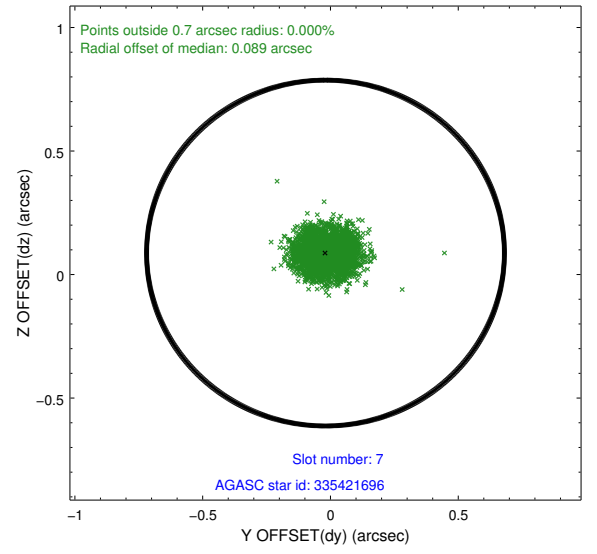
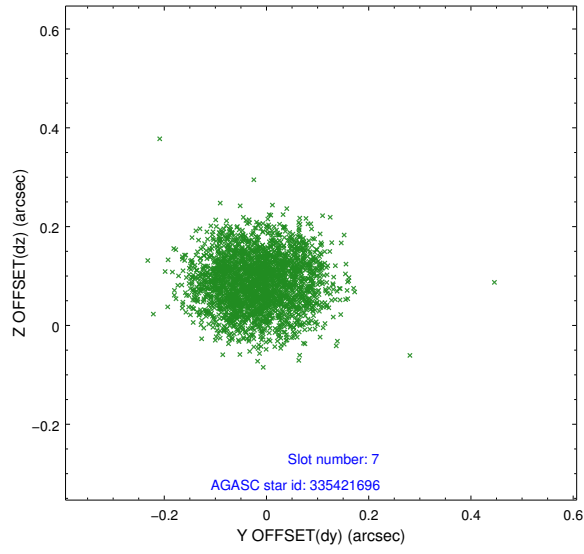
2.4.3 Slot 5



2.4.4 Slot 6

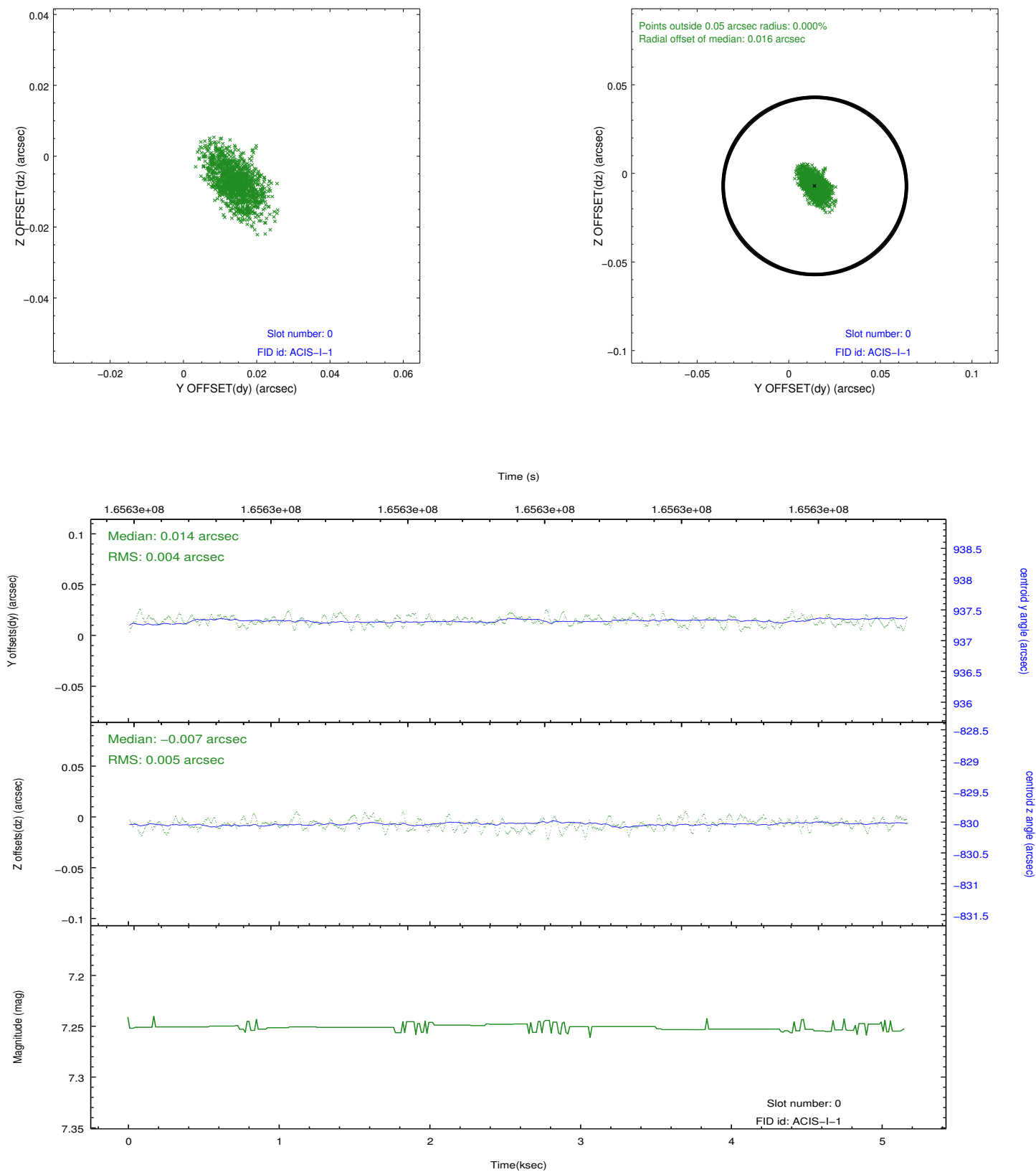


2.4.5 Slot 7

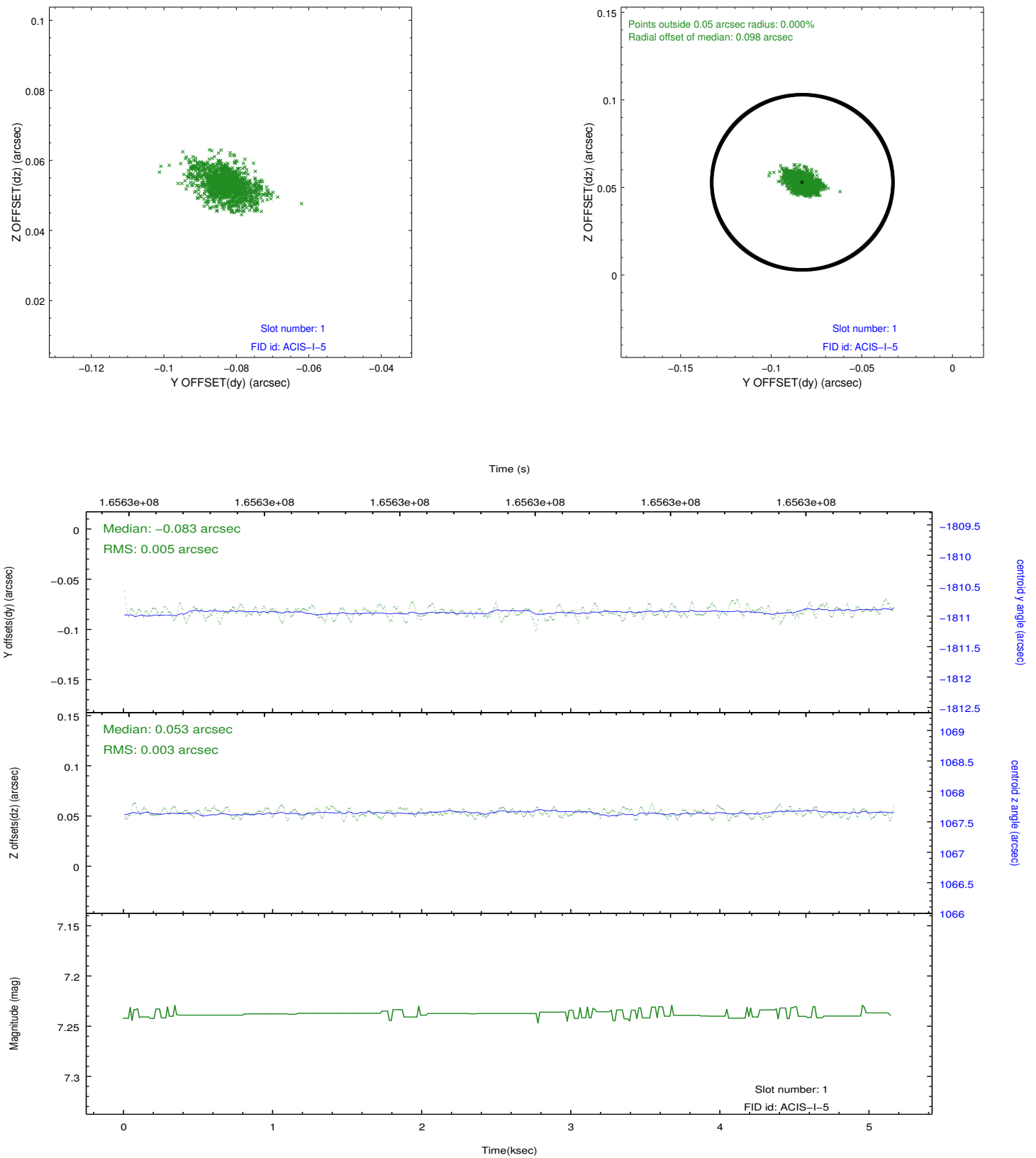


2.5 FID Slots

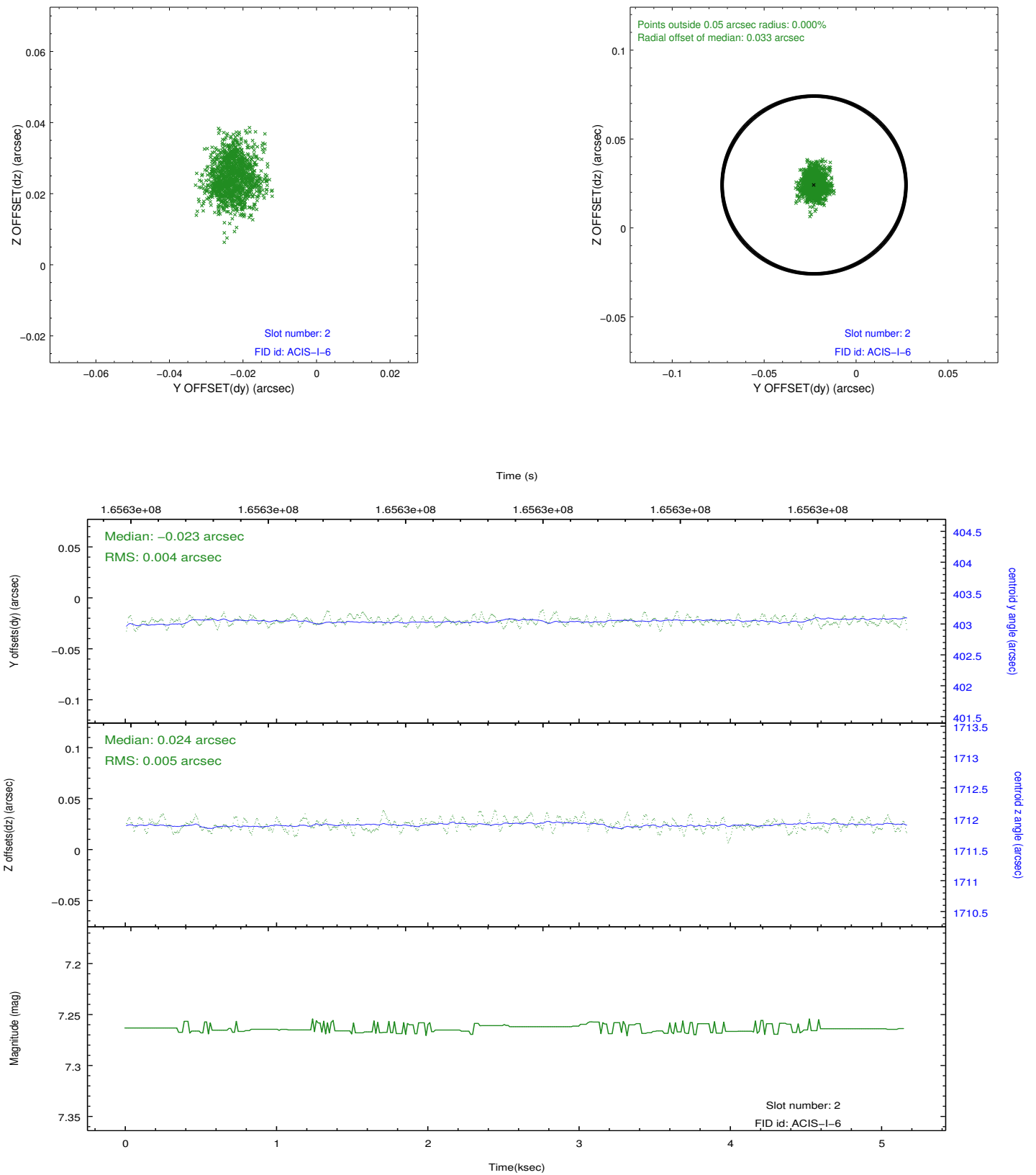
2.5.1 Slot 0



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)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.742

A.2 Comments