

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1908 - L2 Version 3
Chandra X-Ray Center

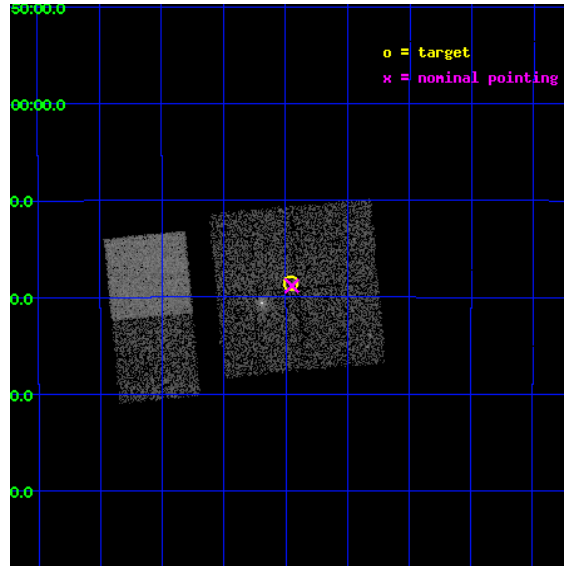
L2 Processing Date : Sep 25 2012

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

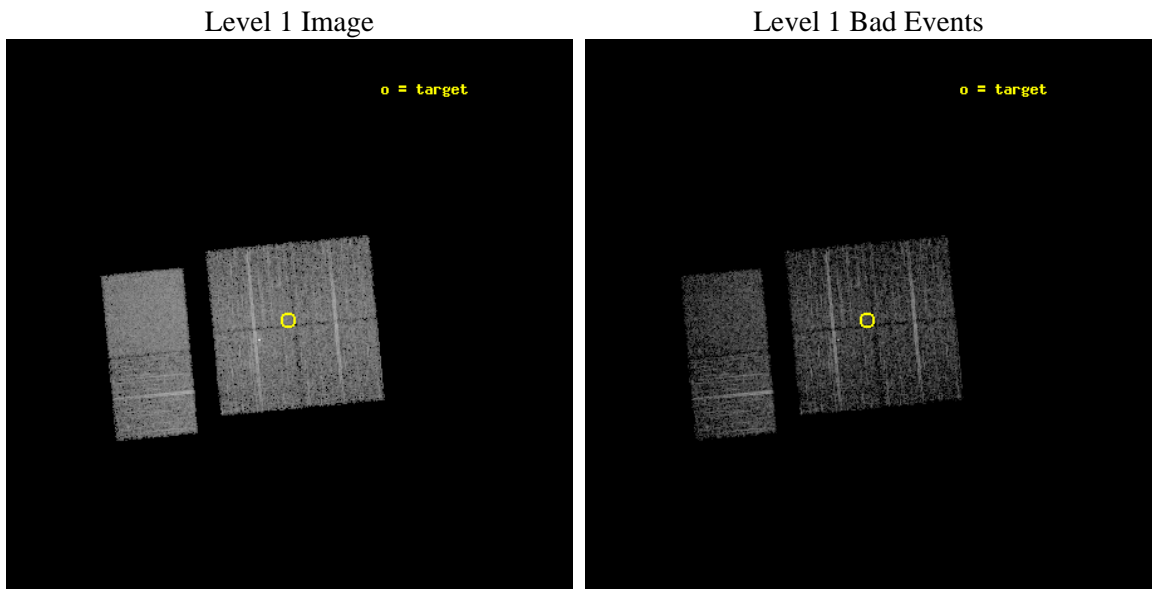
seq_num	400121	Sequence number
obs_id	1908	Observation id
title	XTE J1739-302 IN QUIESCENCE	Proposal title
observer	Prof. David Smith	Principal investigator
object	XTE J1739-302	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.74	Observer's specified target RA [deg]
dec_targ	-30.31	Observer's specified target Dec [deg]
ra_nom	264.7374037691	Nominal RA [deg]
dec_nom	-30.314069322556	Nominal Dec [deg]
roll_nom	264.63321756811	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4950.4000045955	Sum of GTIs [s]
livetime	4887.7150589643	Livetime [s]
ontime0	4950.4000045955	Sum of GTIs [s]
ontime1	4950.4000045955	Sum of GTIs [s]
ontime2	4950.4000045955	Sum of GTIs [s]
ontime3	4950.4000045955	Sum of GTIs [s]
ontime6	4950.4000045955	Sum of GTIs [s]
ontime7	4950.4000045955	Sum of GTIs [s]
l2events	35100	Number of level 2 events



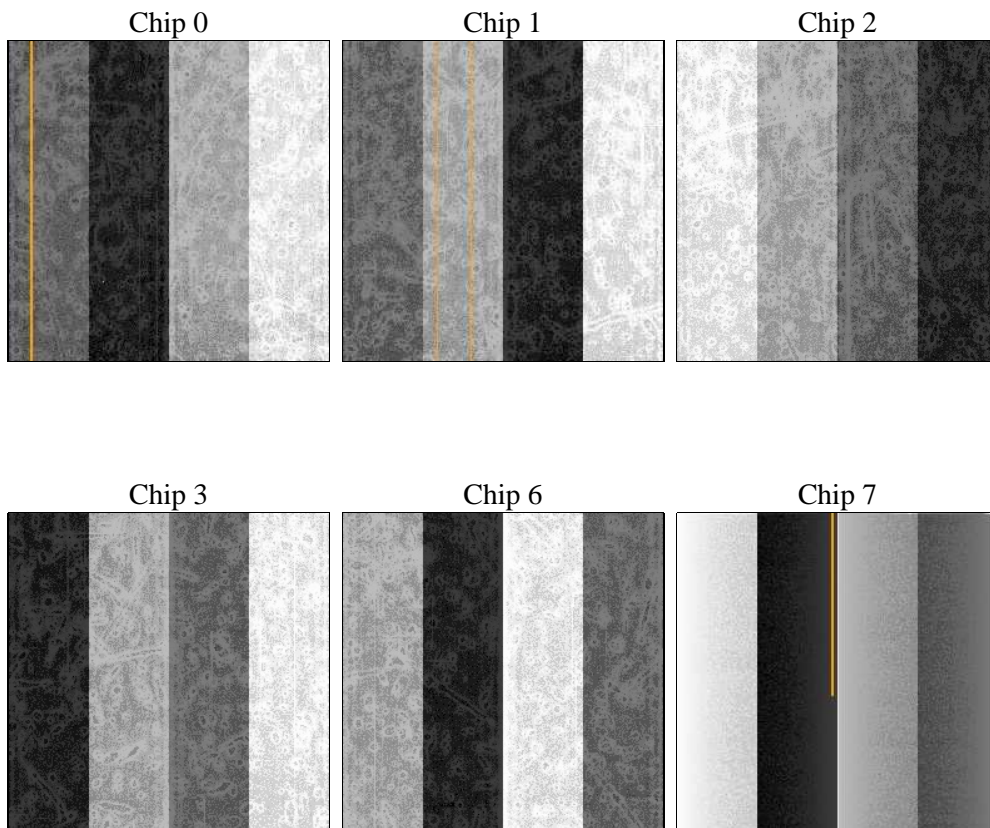
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4950.4000045955	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	4950.4000045955	Sum of GTIs [s]
date	2012-09-25T04:11:27	Date and time of file creation	ontime1	4950.4000045955	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4950.4000045955	Sum of GTIs [s]
			ontime3	4950.4000045955	Sum of GTIs [s]
			ontime6	4950.4000045955	Sum of GTIs [s]
			ontime7	4950.4000045955	Sum of GTIs [s]
			l1events	188453	Number of level 1 events

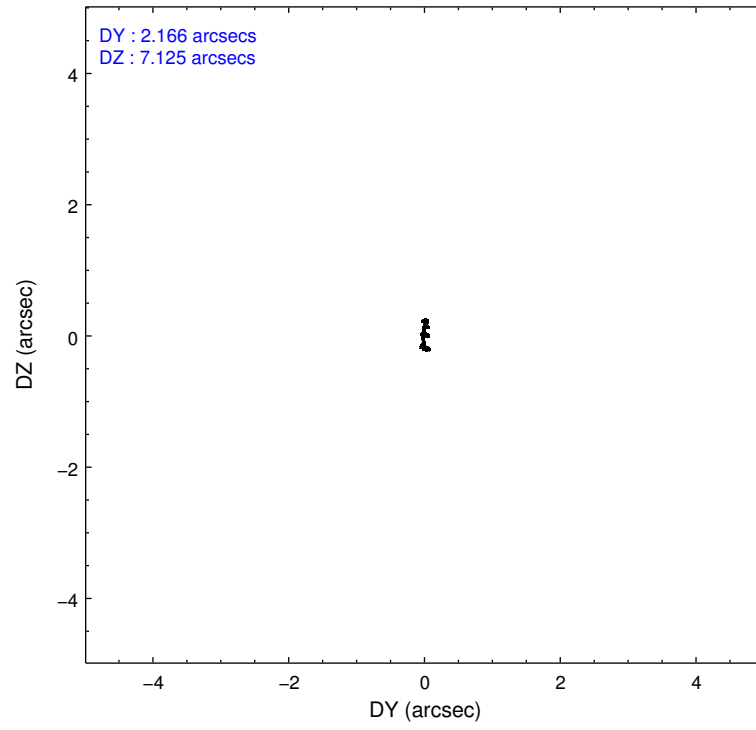
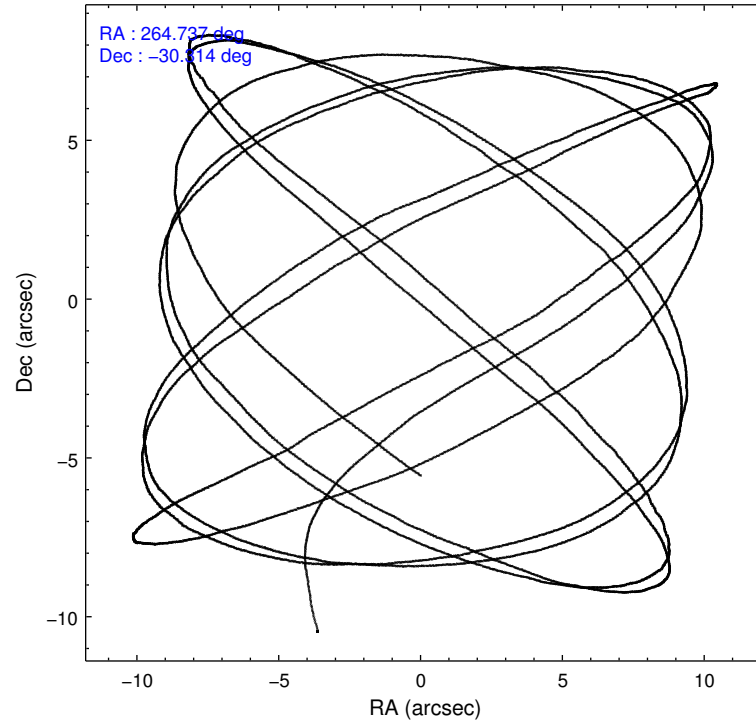
2.1.4 Events

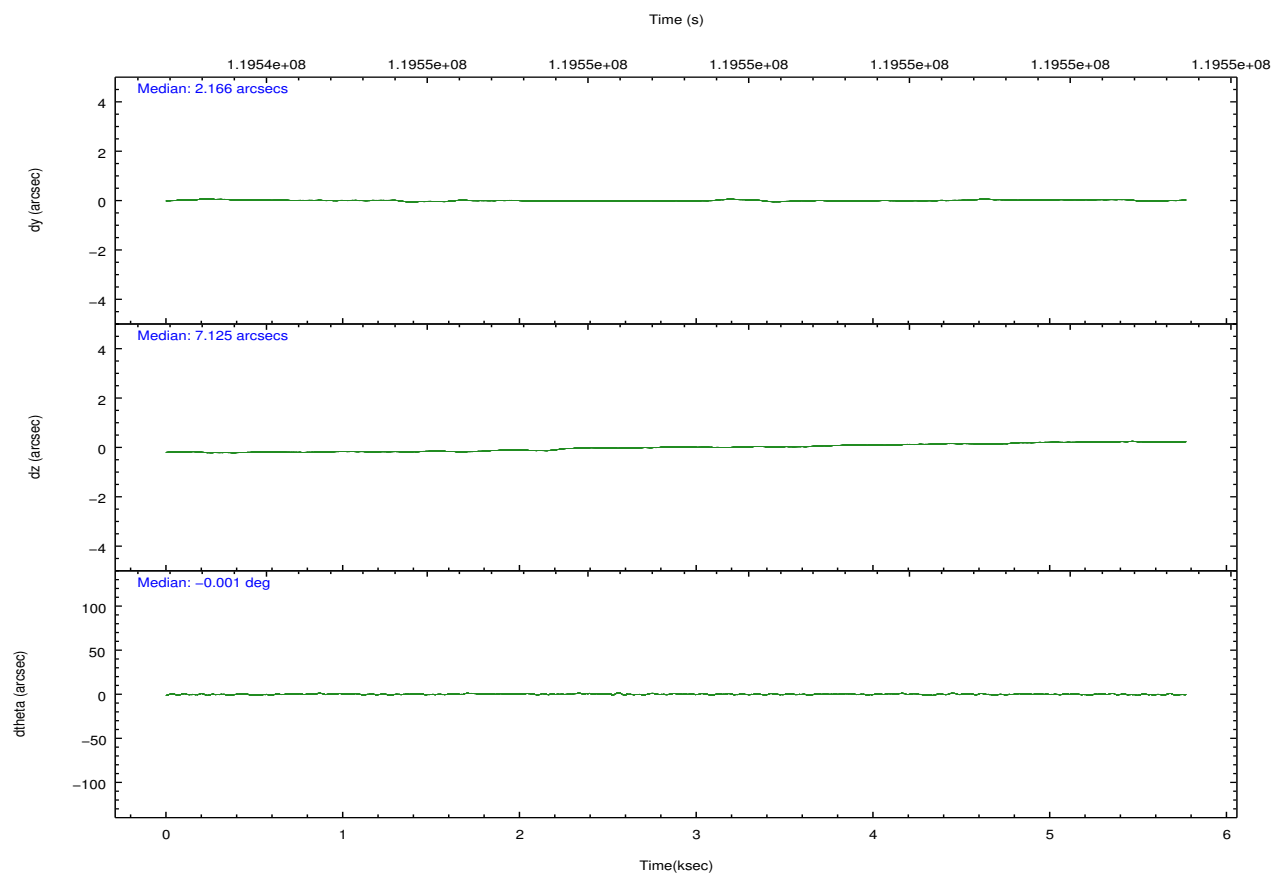
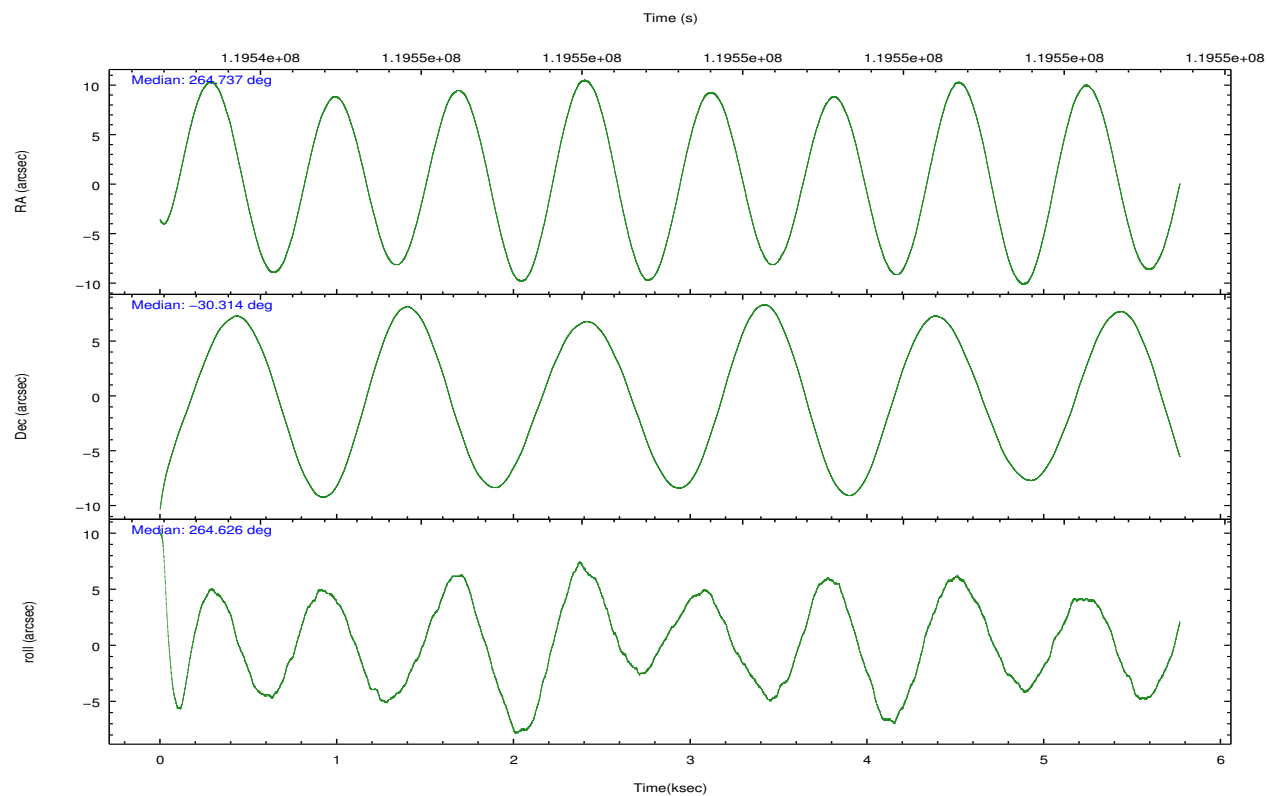
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26732	27874	31847	30391	32319	39290	grade 0 events	1792	1771	2878	1820	1725	1632
rejected events	22837	23833	26201	26501	28391	22569		6%	6%	9%	5%	5%	4%
rejected %	85%	85%	82%	87%	87%	57%	grade 1 events	16	11	97	18	17	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	756	772	1072	791	780	3446
								2%	2%	3%	2%	2%	8%
							grade 3 events	356	394	469	319	343	1561
								1%	1%	1%	1%	1%	3%
							grade 4 events	325	368	427	338	348	1514
								1%	1%	1%	1%	1%	3%
							grade 5 events	1071	1110	1119	1254	1357	3740
								4%	3%	3%	4%	4%	9%
							grade 6 events	670	737	805	624	734	8579
								2%	2%	2%	2%	2%	21%
							grade 7 events	21746	22711	24980	25227	27015	18777
								81%	81%	78%	83%	83%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.724114	264.737403769101	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.289231	-30.31406932255625	Alternating exposures requested	N	N
[deg] Pointing Roll	264.417811	264.6332175681081	[s] Primary exposure time	0.000000	3.2
[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)	119545436.184000	119544179.3323			
Observation start date	2001-10-15T15:02:52	2001-10-15T14:42:59			
[s] Observation end time (MET)	119550436.184000	119550734.20756			
Observation end date	2001-10-15T16:26:12	2001-10-15T16:32:14			
Read mode	TIMED	TIMED			

2.3 Aspect



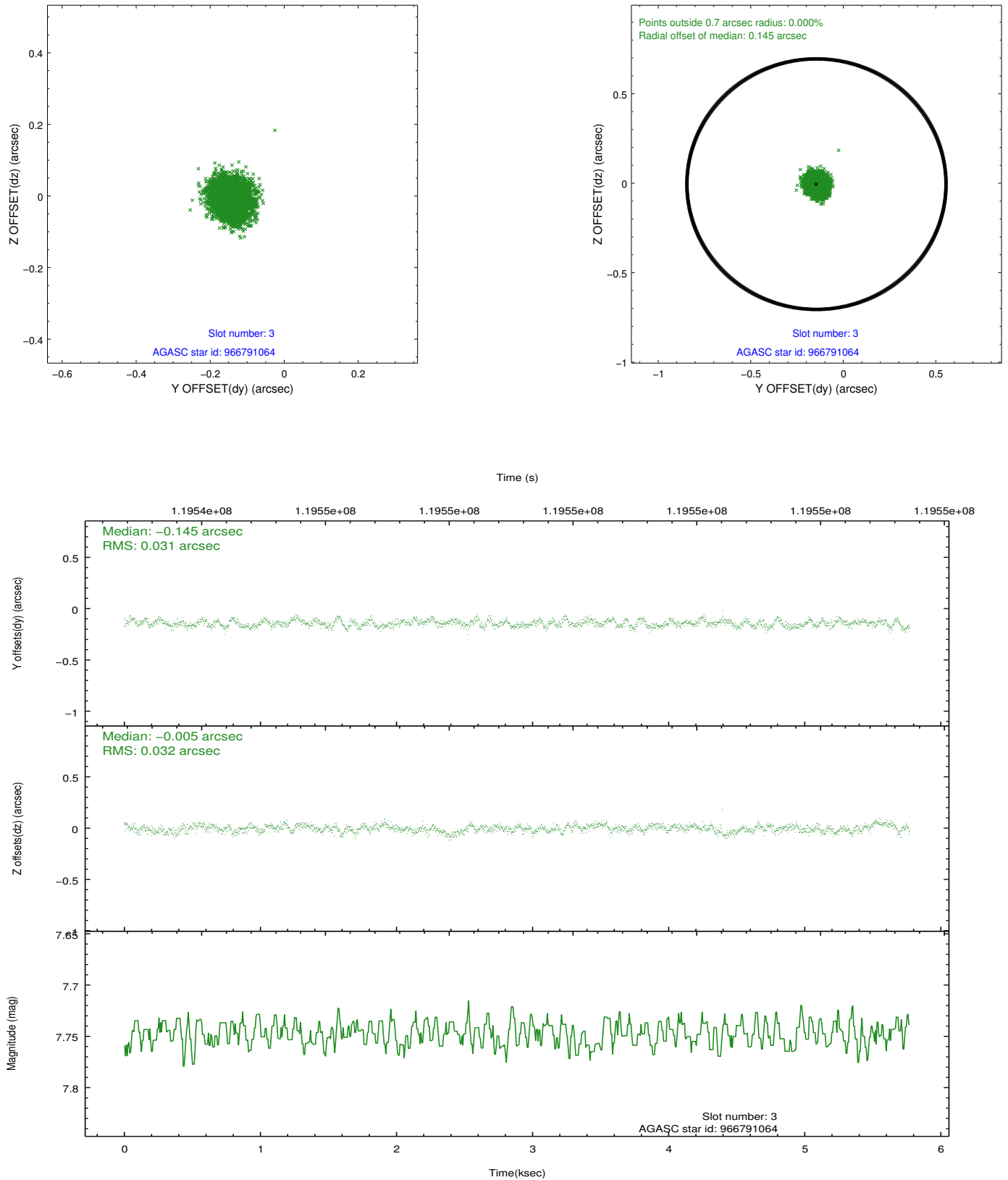


Slot Statistics

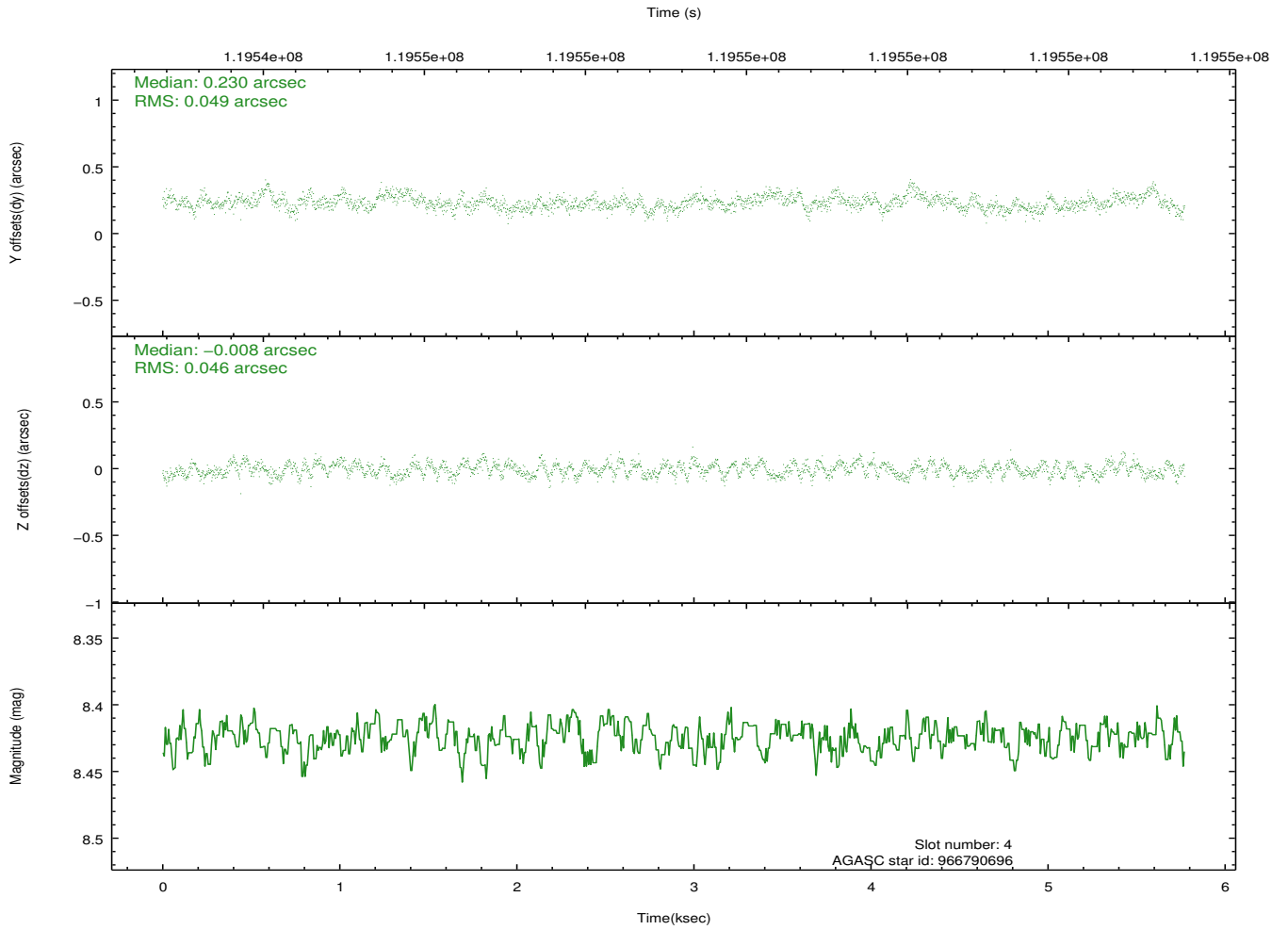
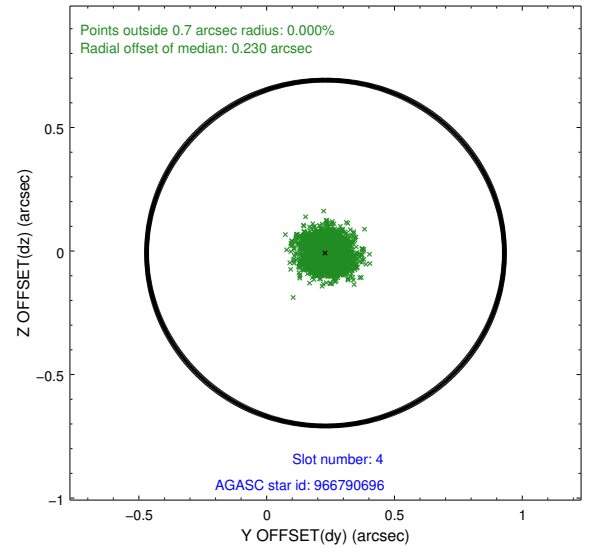
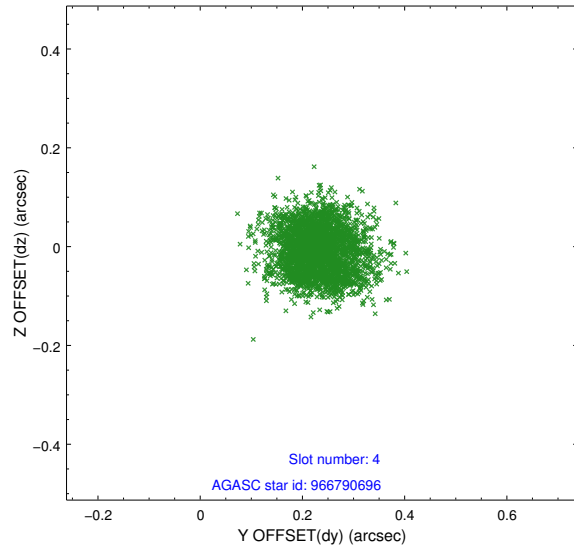
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1408	-0.008	0.037	0.010	0.017	0.000000	0.000000	937.62	-830.50
1	FID	ACIS-I-5	7.24	1408	-0.028	0.053	0.007	0.012	0.000000	0.000000	-1809.89	1066.55
2	FID	ACIS-I-6	7.26	1408	-0.054	-0.020	0.011	0.019	0.000000	0.000000	402.05	1712.11
3	GUIDE	966791064	7.75	2816	-0.145	-0.005	0.048	0.074	263.920275	-30.338943	429.62	-2466.83
4	GUIDE	966790696	8.42	2814	0.230	-0.008	0.072	0.115	264.462516	-30.909486	2301.92	-587.01
5	GUIDE	896406904	8.98	2816	-0.004	-0.130	0.097	0.147	264.311862	-29.742267	-1831.51	-1473.91
6	GUIDE	966791536	9.35	2816	0.010	0.099	0.096	0.151	265.423122	-30.013043	-1196.20	2072.56
7	GUIDE	896402008	9.34	2812	-0.091	0.047	0.096	0.159	265.494990	-29.907324	-1595.52	2262.38

2.4 Star Slots

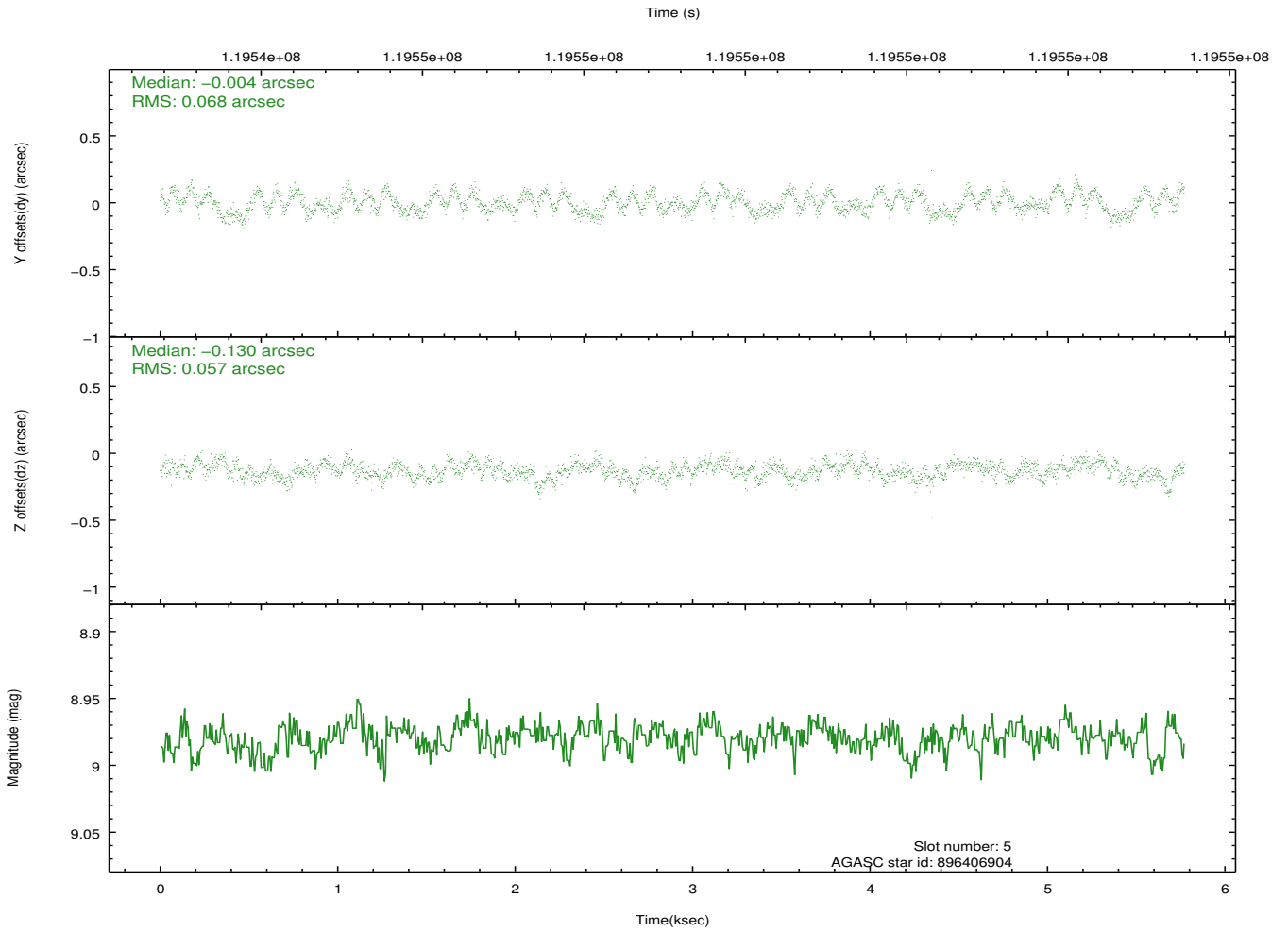
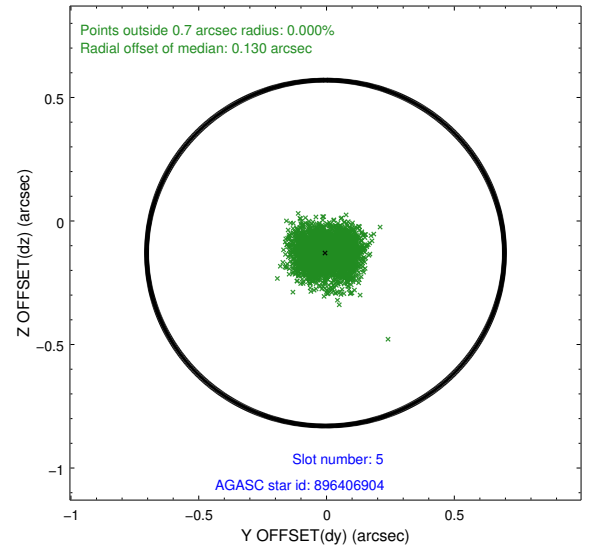
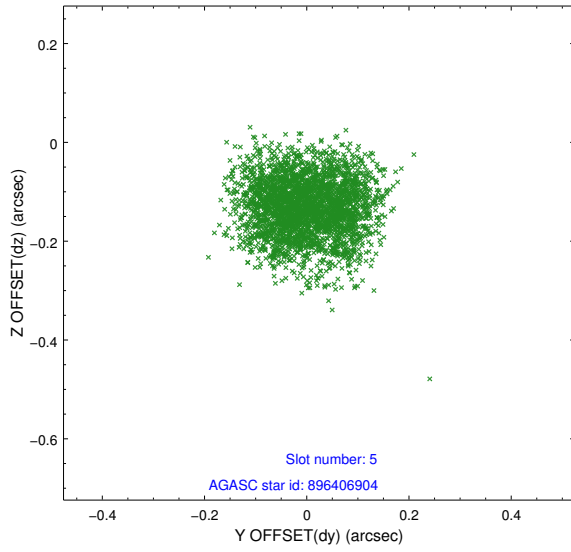
2.4.1 Slot 3



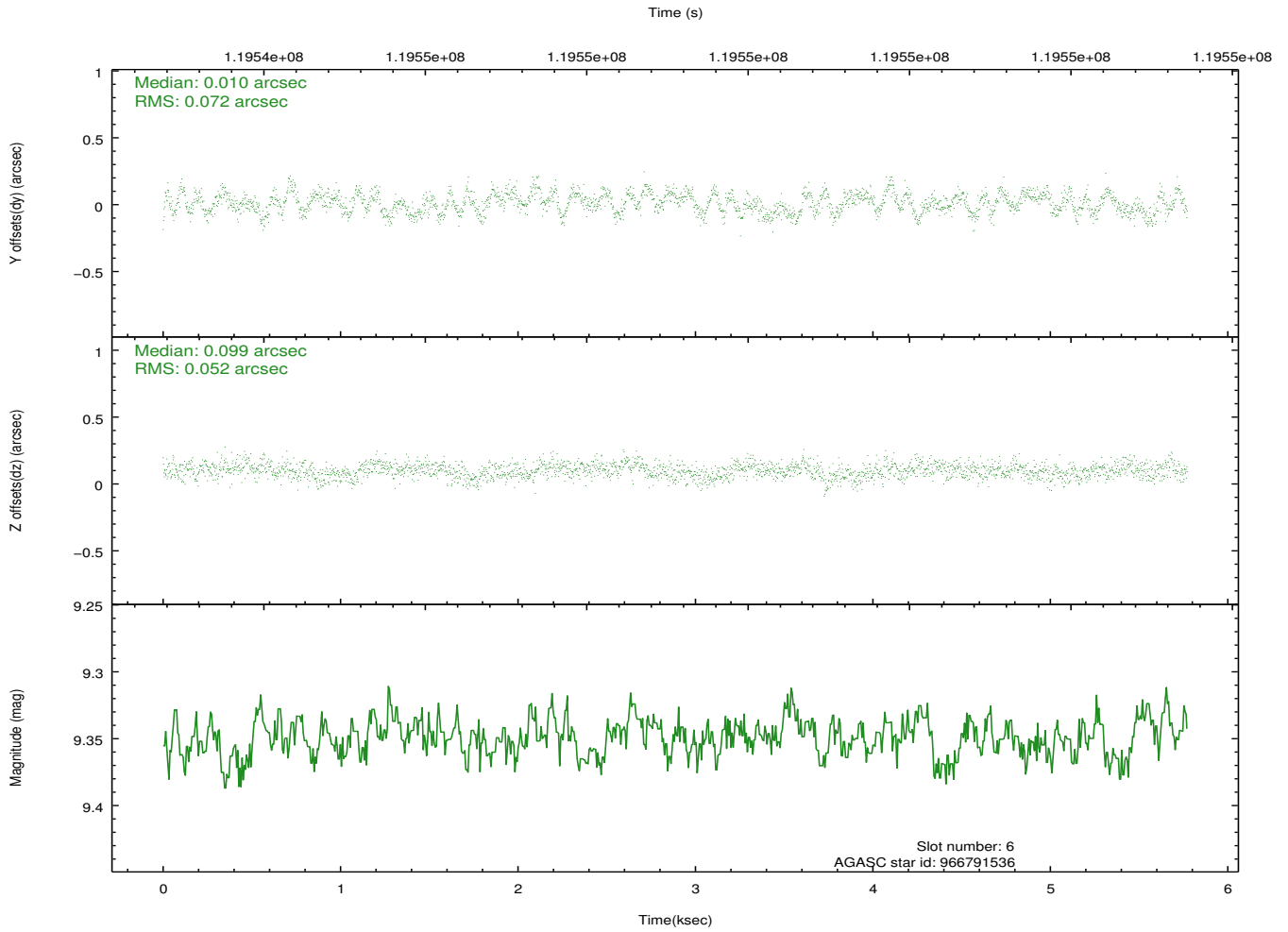
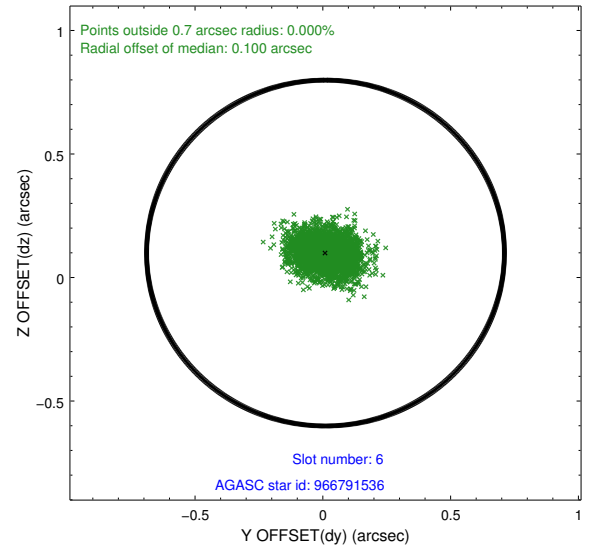
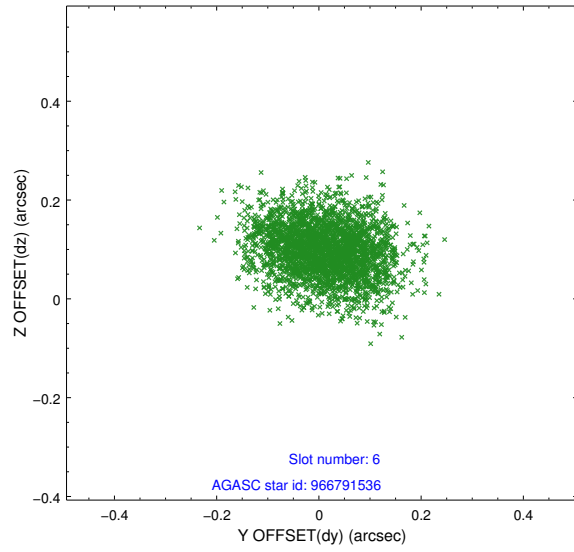
2.4.2 Slot 4



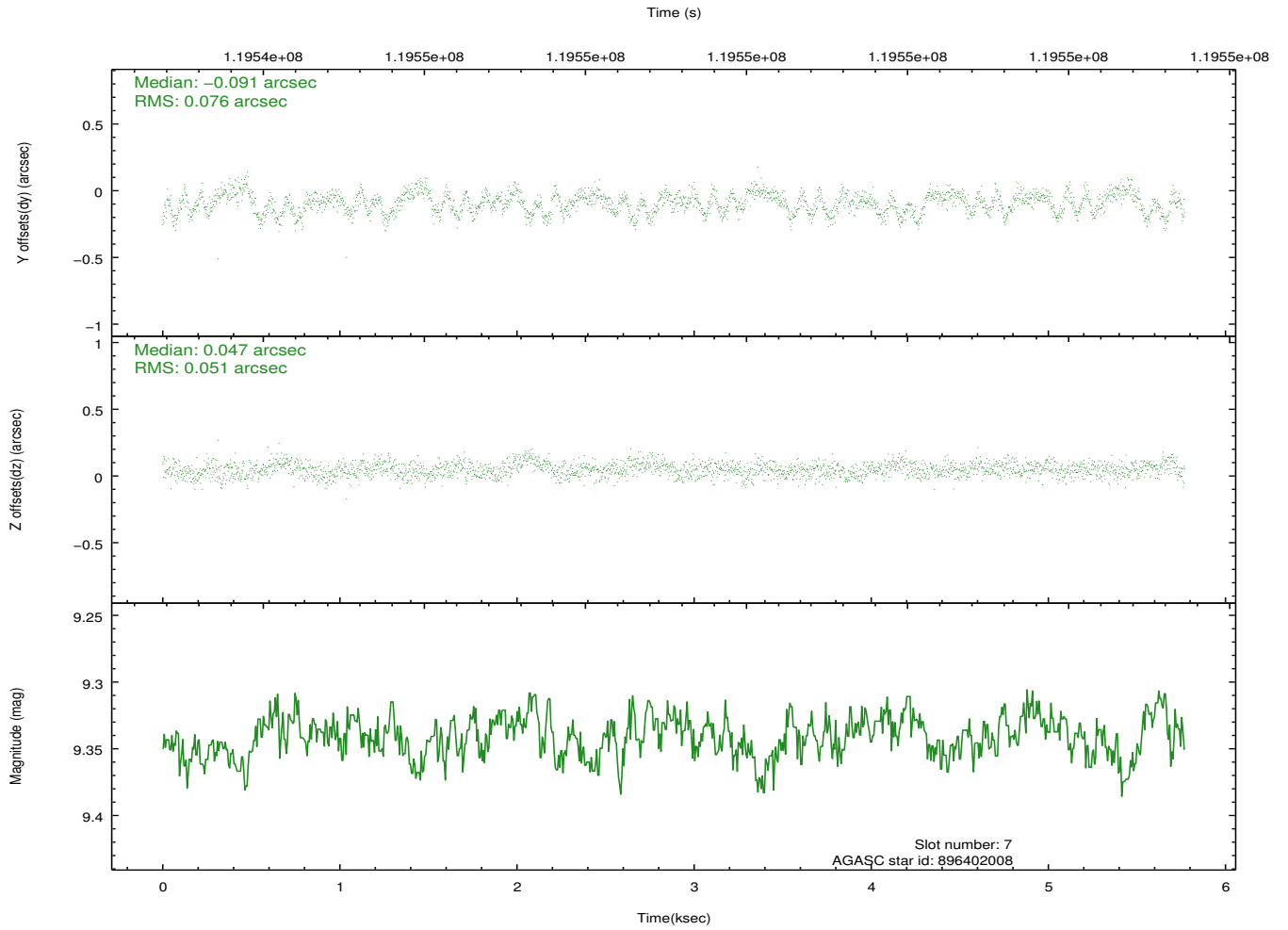
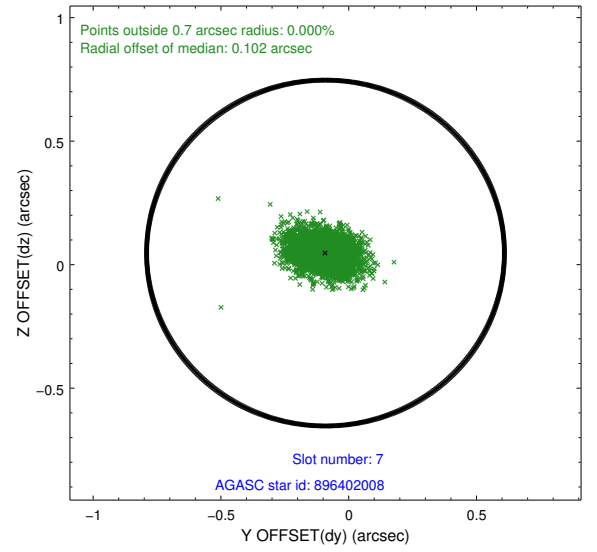
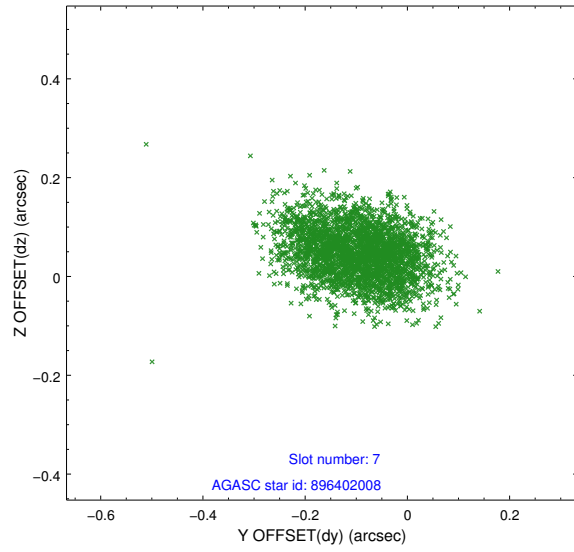
2.4.3 Slot 5



2.4.4 Slot 6

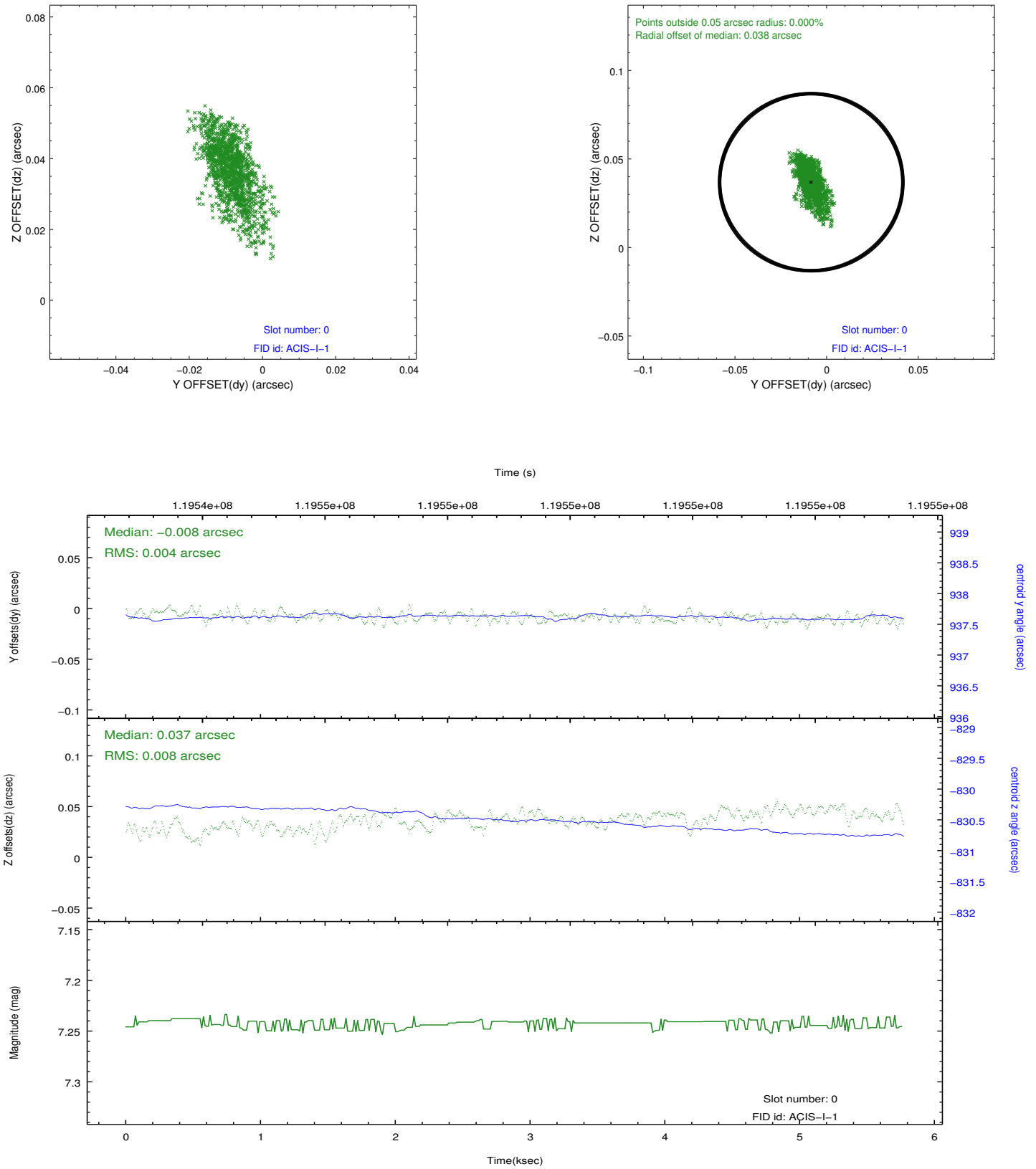


2.4.5 Slot 7

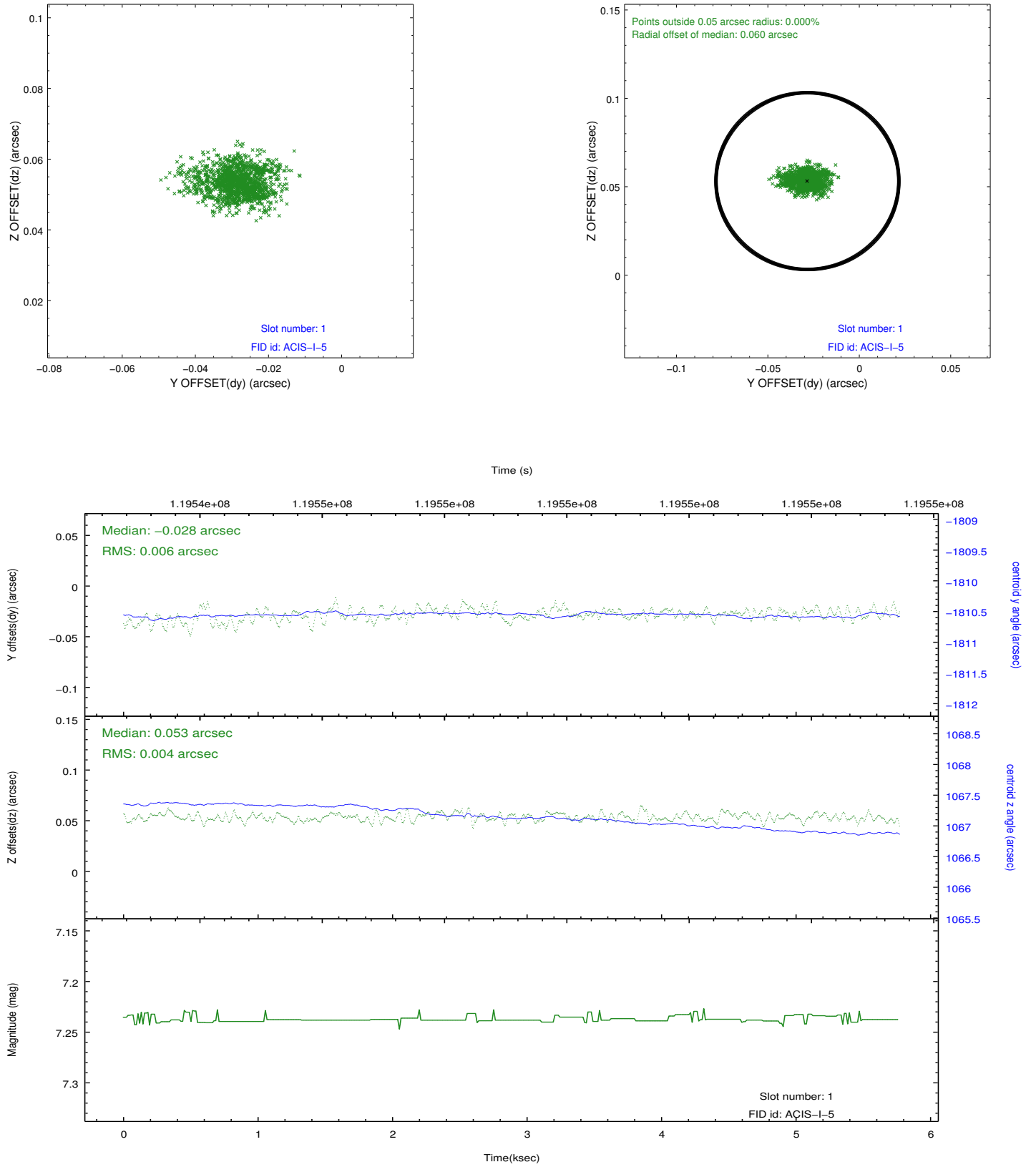


2.5 FID Slots

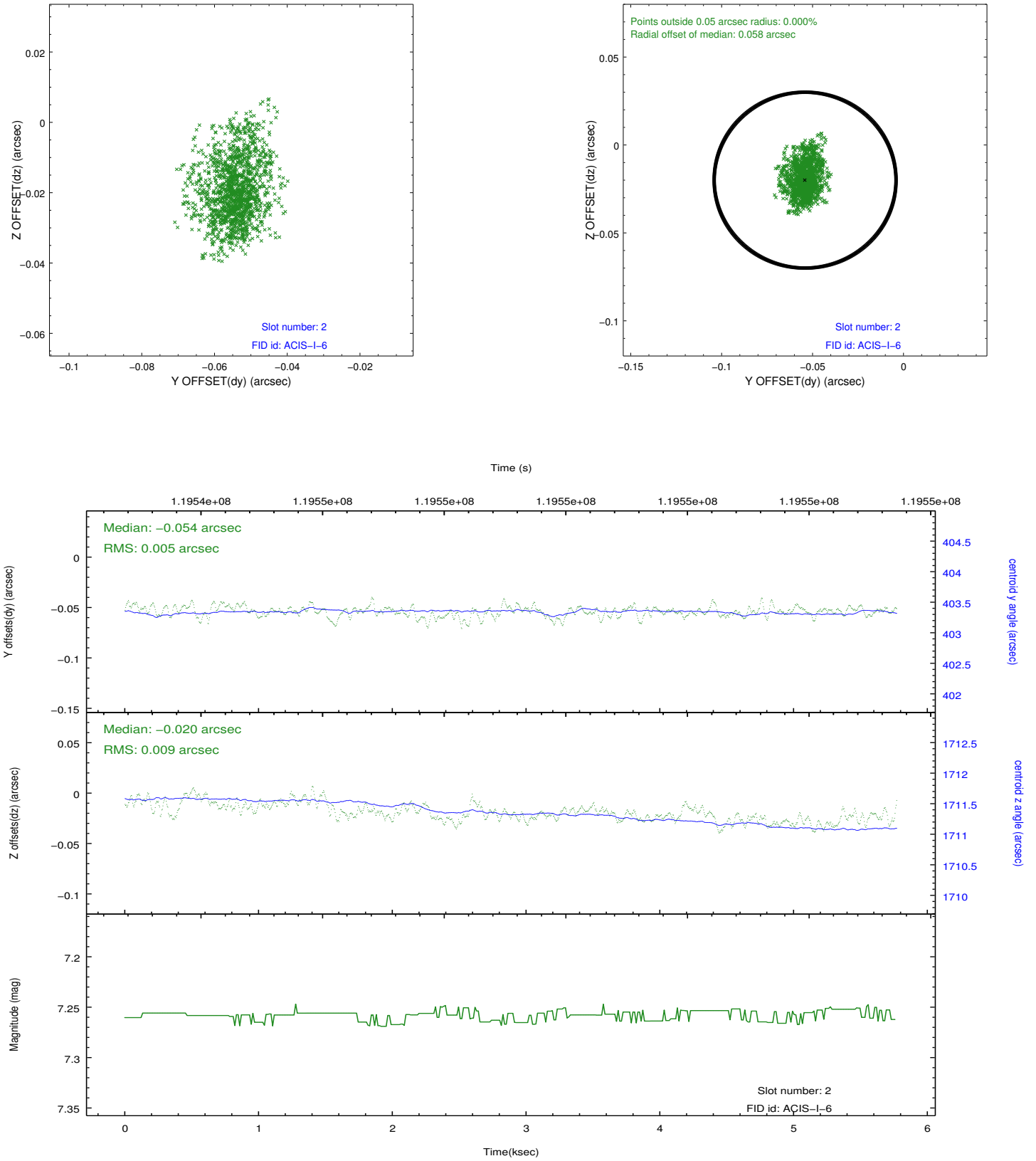
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.953

A.2 Comments