

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7534 - L2 Version 2
Chandra X-Ray Center

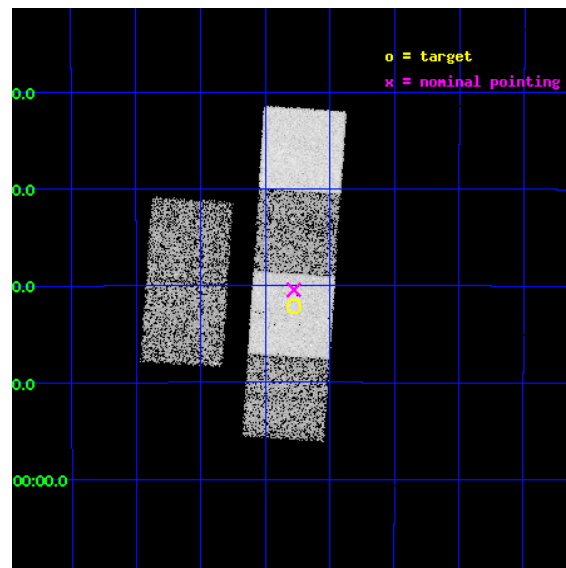
L2 Processing Date : May 9 2012

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

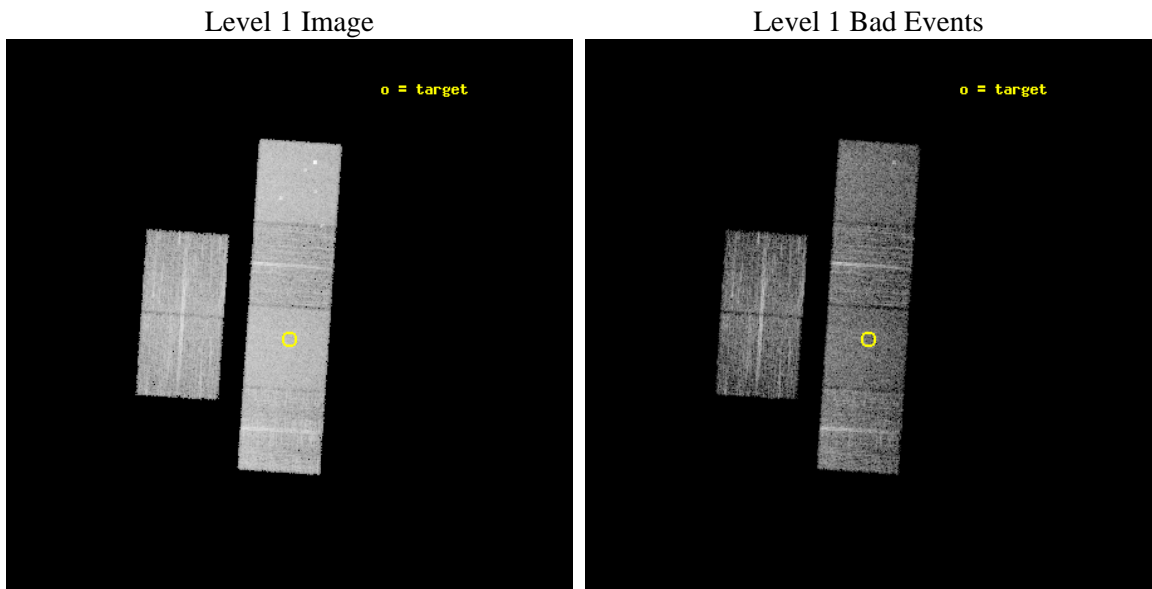
seq_num	400644	Sequence number
obs_id	7534	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18193-2542	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.82	Observer's specified target RA [deg]
dec_targ	-25.703	Observer's specified target Dec [deg]
ra_nom	274.8198255334	Nominal RA [deg]
dec_nom	-25.673898627614	Nominal Dec [deg]
roll_nom	93.814804454436	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5148.7999808788	Sum of GTIs [s]
livetime	5083.6027752858	Livetime [s]
ontime2	5148.7999808788	Sum of GTIs [s]
ontime3	5148.7999808788	Sum of GTIs [s]
ontime5	5148.7999808788	Sum of GTIs [s]
ontime6	5148.7999808788	Sum of GTIs [s]
ontime7	5148.7999808788	Sum of GTIs [s]
ontime8	5148.7999808788	Sum of GTIs [s]
l2events	85349	Number of level 2 events



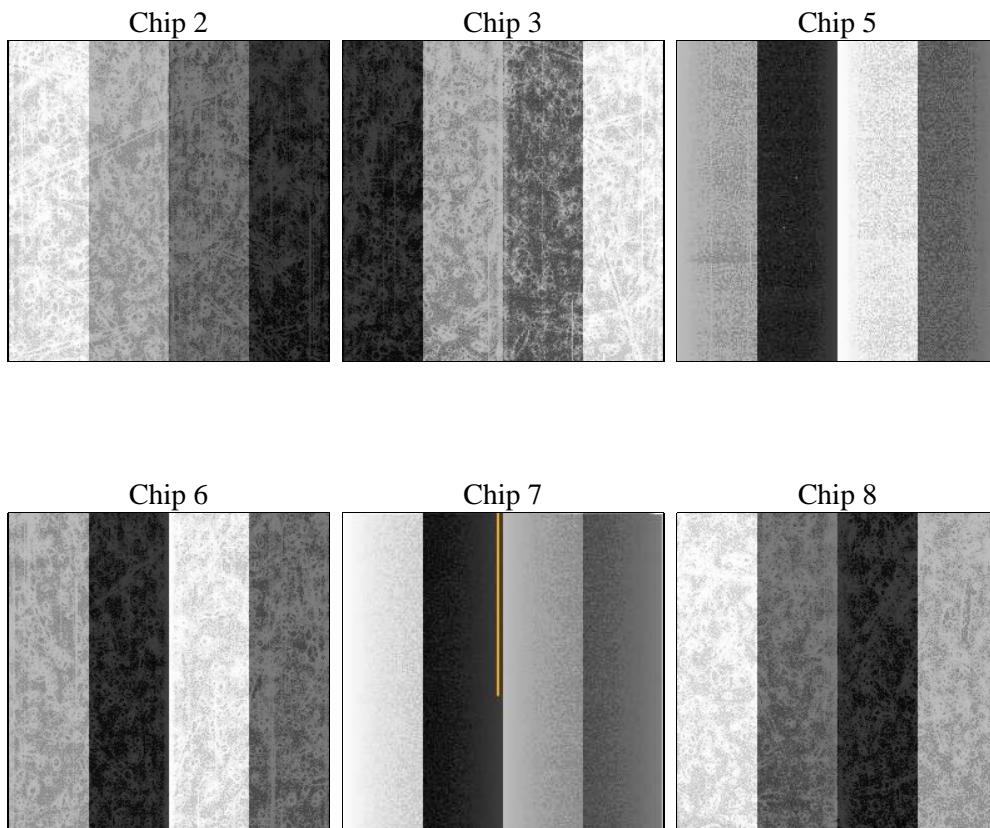
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5148.7999808788	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5148.7999808788	Sum of GTIs [s]
date	2012-05-09T18:38:46	Date and time of file creation	ontime3	5148.7999808788	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5148.7999808788	Sum of GTIs [s]
			ontime6	5148.7999808788	Sum of GTIs [s]
			ontime7	5148.7999808788	Sum of GTIs [s]
			ontime8	5148.7999808788	Sum of GTIs [s]
			l1events	359945	Number of level 1 events

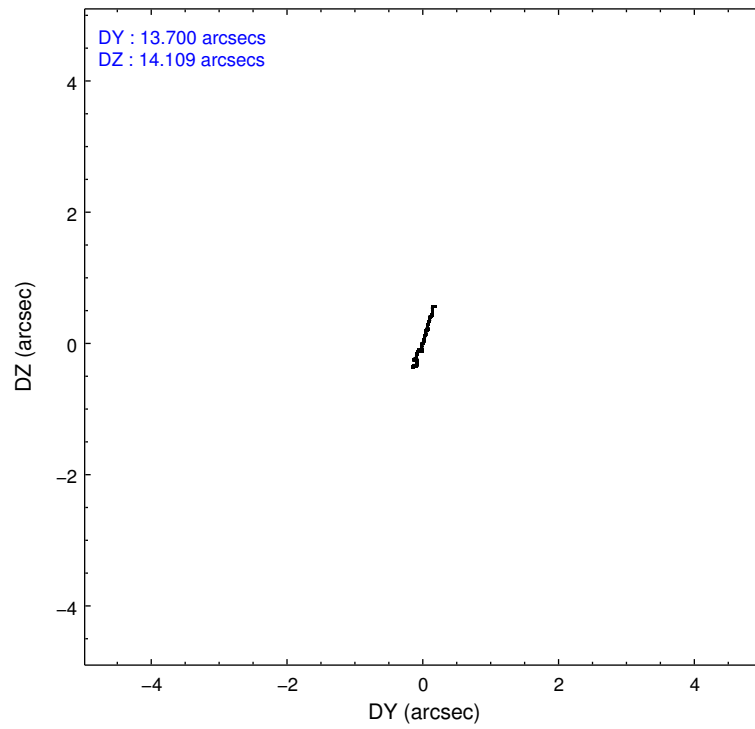
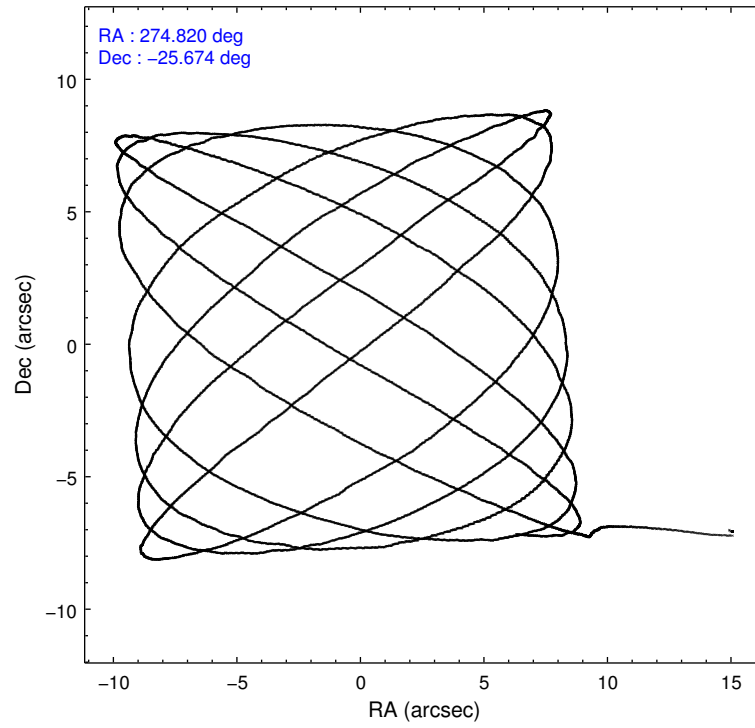
2.1.4 Events

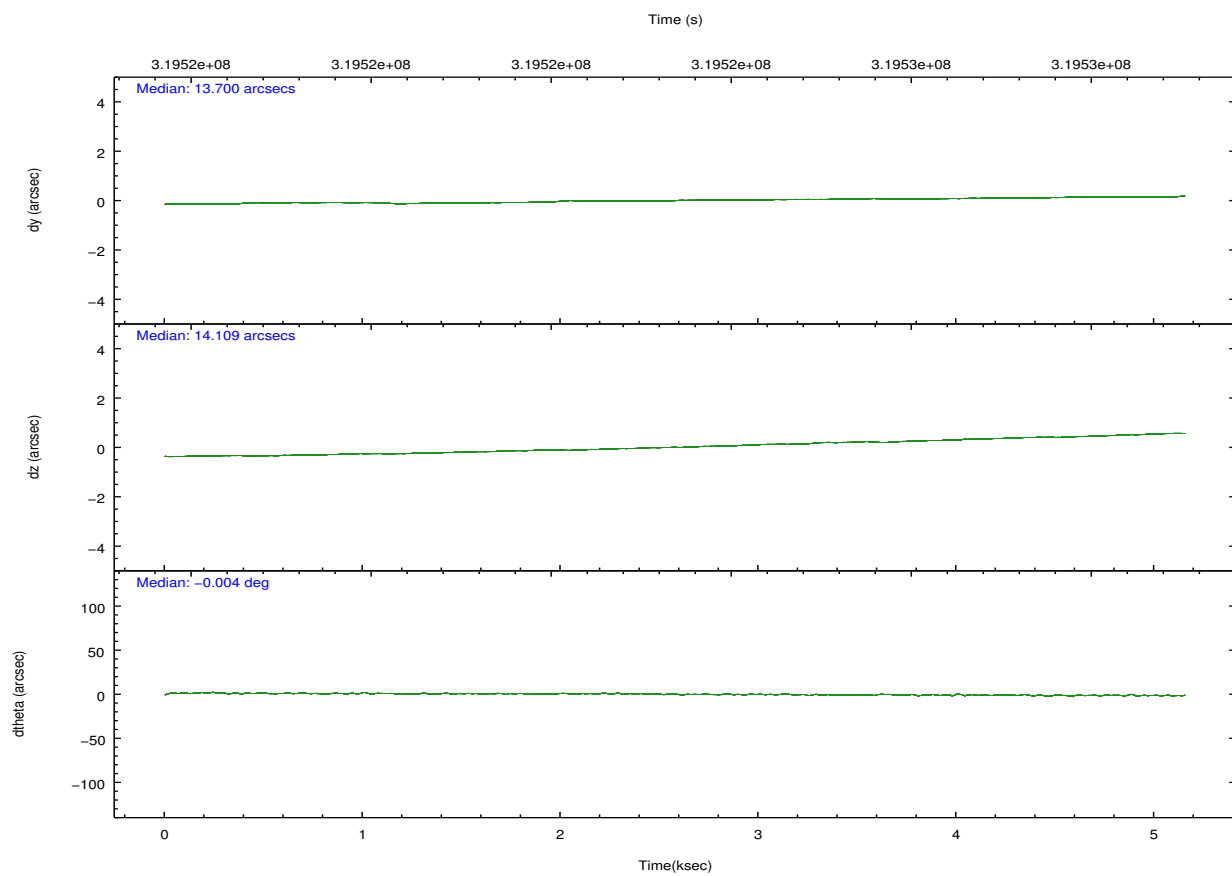
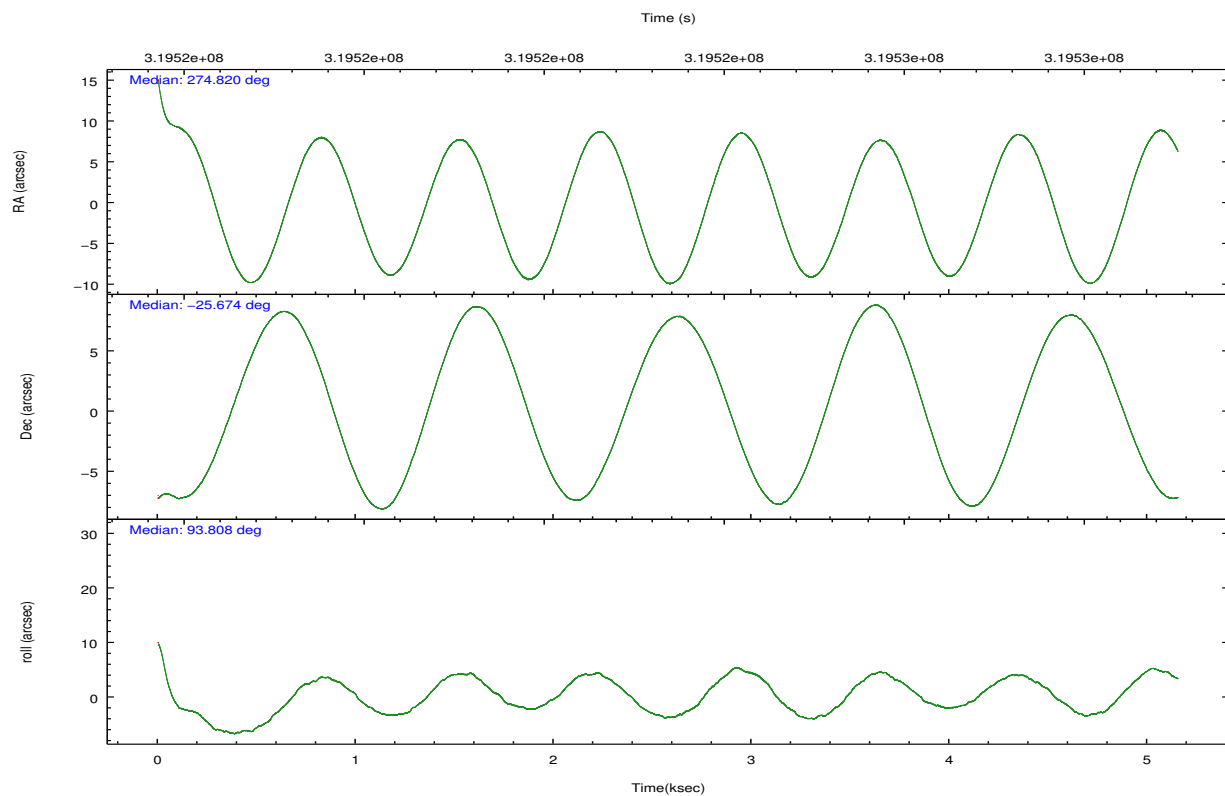
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50435	48302	77338	49458	69702	64710	grade 0 events	2858	2865	3561	2904	2813	4819
rejected events	44222	42129	41385	42932	40283	49616		5%	5%	4%	5%	4%	7%
rejected %	87%	87%	53%	86%	57%	76%	grade 1 events	20	39	271	22	63	33
								0%	0%	0%	0%	0%	0%
							grade 2 events	1307	1149	11076	1346	6132	3504
								2%	2%	14%	2%	8%	5%
							grade 3 events	543	587	1294	600	2554	1483
								1%	1%	1%	1%	3%	2%
							grade 4 events	548	558	1194	536	2556	1407
								1%	1%	1%	1%	3%	2%
							grade 5 events	1978	2281	5302	2310	6447	3117
								3%	4%	6%	4%	9%	4%
							grade 6 events	993	1052	19062	1185	15558	3971
								1%	2%	24%	2%	22%	6%
							grade 7 events	42188	39771	35578	40555	33579	46376
								83%	82%	46%	81%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	274.836946	274.8198255334006	CCD I2 on	O2	Y
[deg] Pointing Dec	-25.696335	-25.67389862761437	CCD I3 on	Y	Y
[deg] Pointing Roll	93.665582	93.8148044544365	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	319522271.184000	319521197.28376	CCD S5 on	N	N
Observation start date	2008-02-16T04:10:06	2008-02-16T03:53:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319527271.184000	319527748.57158	On-chip summing requested	N	N
Observation end date	2008-02-16T05:33:26	2008-02-16T05:42:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



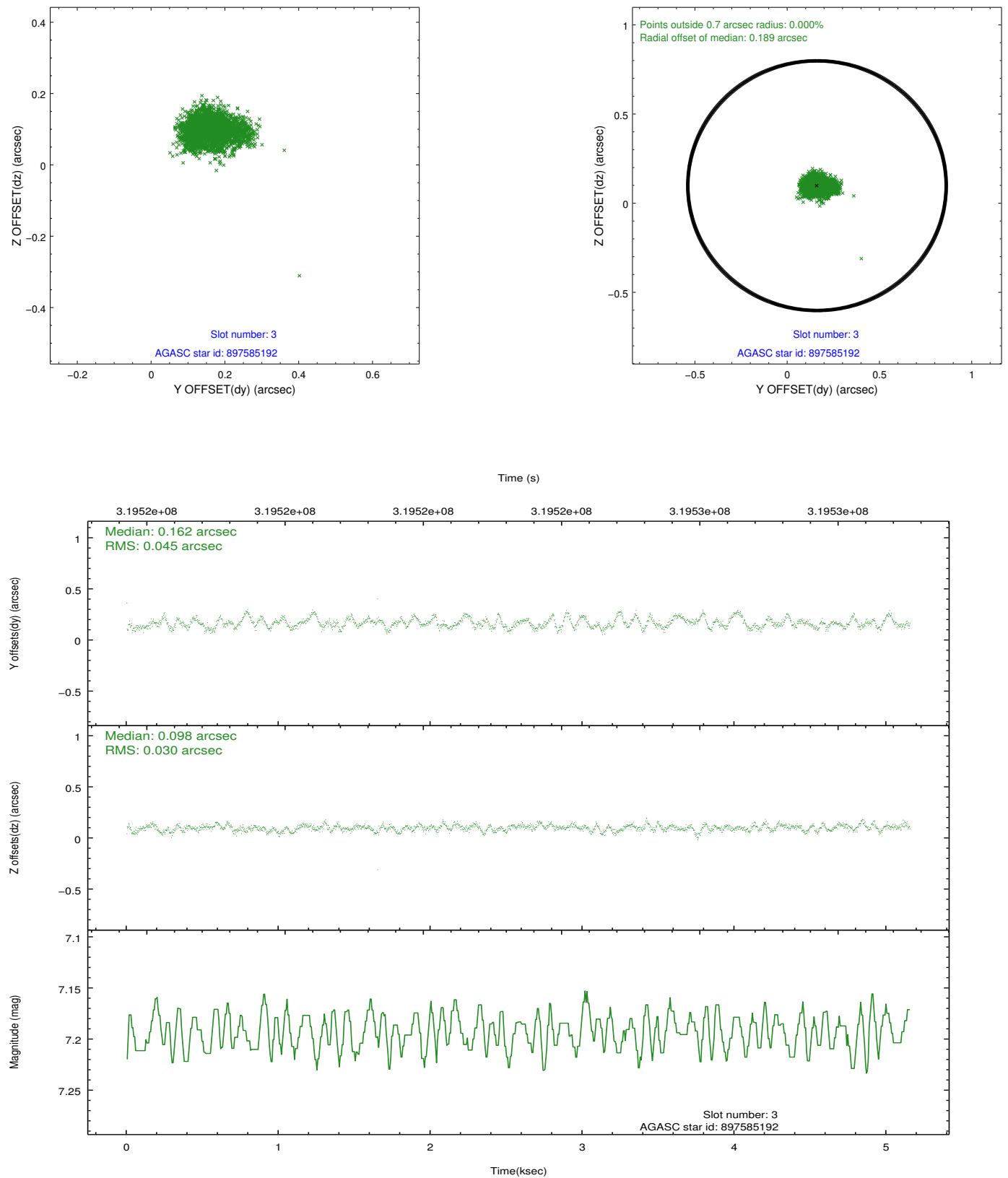


Slot Statistics

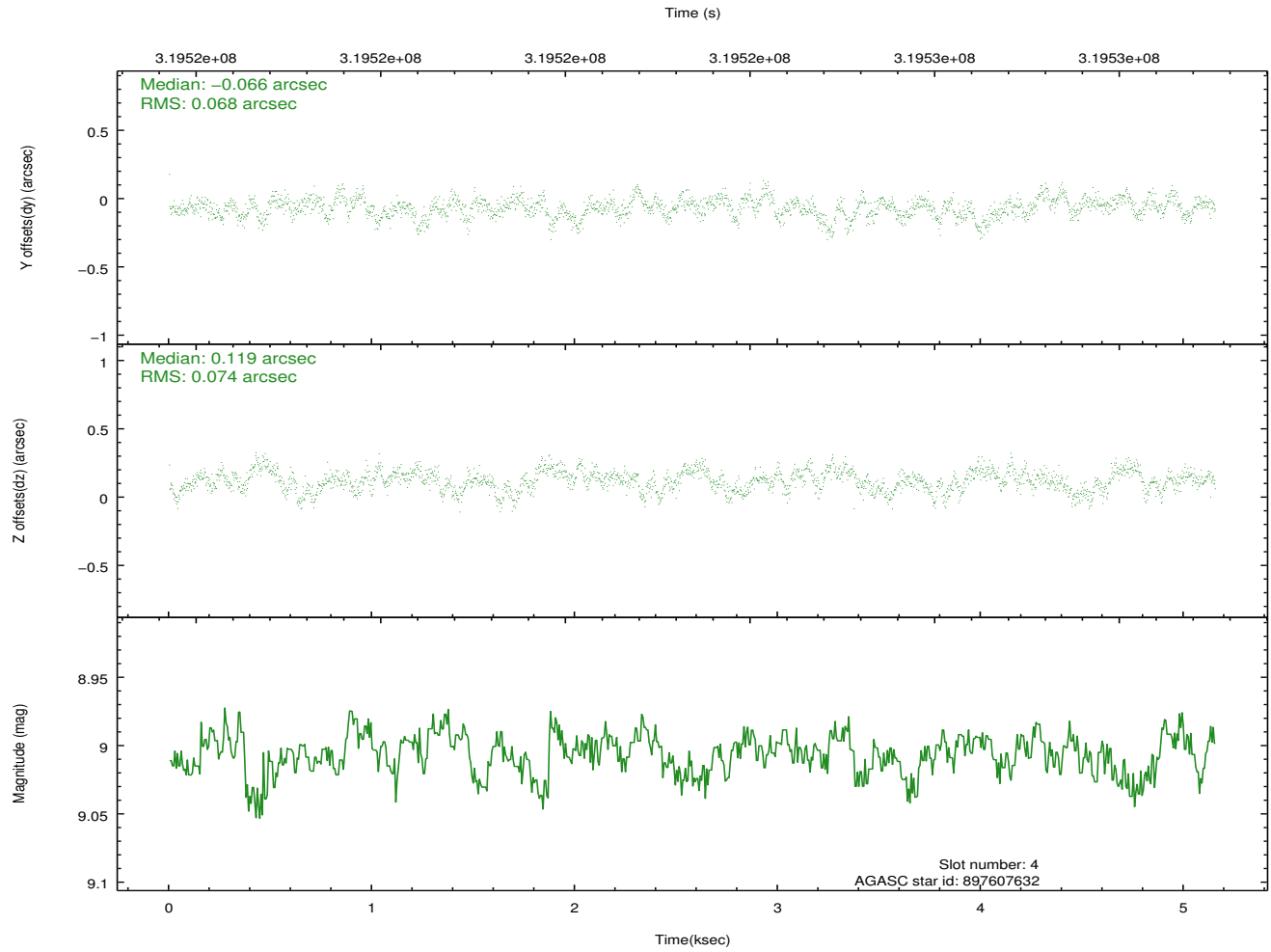
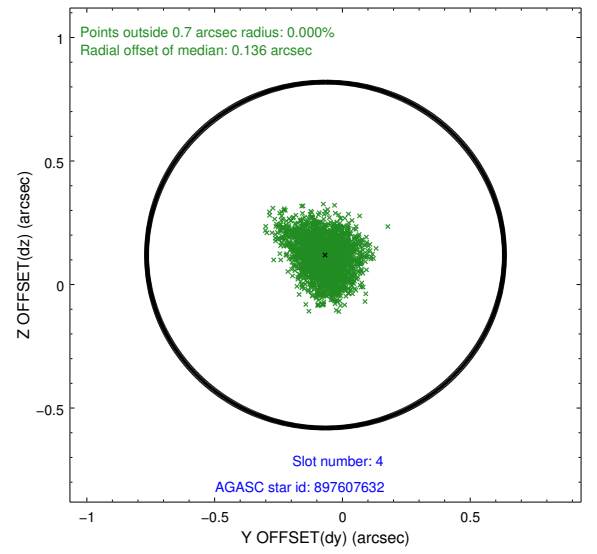
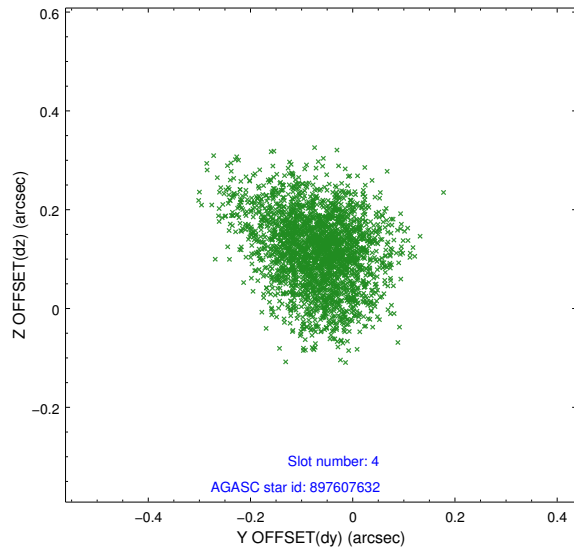
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1258	-0.051	-0.054	0.013	0.022	0.000000	0.000000	-766.68	-1735.51
1	FID	ACIS-S-4	7.19	1258	0.177	0.040	0.012	0.020	0.000000	0.000000	2146.28	171.86
2	FID	ACIS-S-5	7.22	1258	-0.155	0.024	0.011	0.018	0.000000	0.000000	-1818.13	166.84
3	GUIDE	897585192	7.19	2515	0.162	0.098	0.057	0.093	275.301694	-26.085108	-1494.59	-1409.57
4	GUIDE	897607632	9.01	2515	-0.066	0.119	0.108	0.175	275.528210	-25.239953	1489.98	-2350.70
5	GUIDE	897610120	8.48	2515	-0.118	0.157	0.068	0.108	275.375820	-25.427247	852.42	-1810.34
6	GUIDE	897612528	7.21	2515	-0.187	-0.299	0.054	0.089	274.400257	-25.341874	1362.51	1336.12
7	GUIDE	898132728	7.33	2514	0.207	-0.072	0.063	0.098	274.854123	-26.324874	-2260.66	90.22

2.4 Star Slots

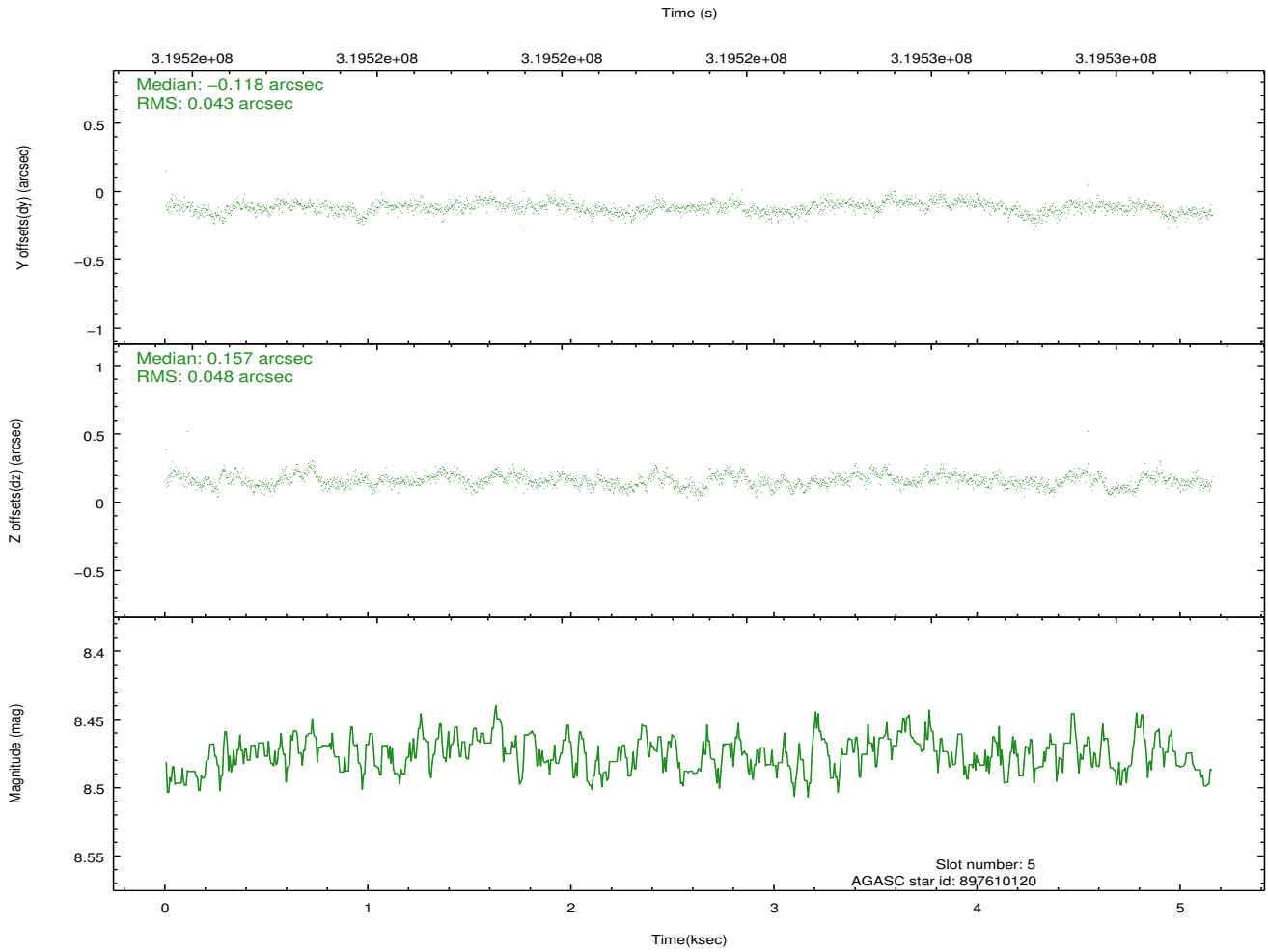
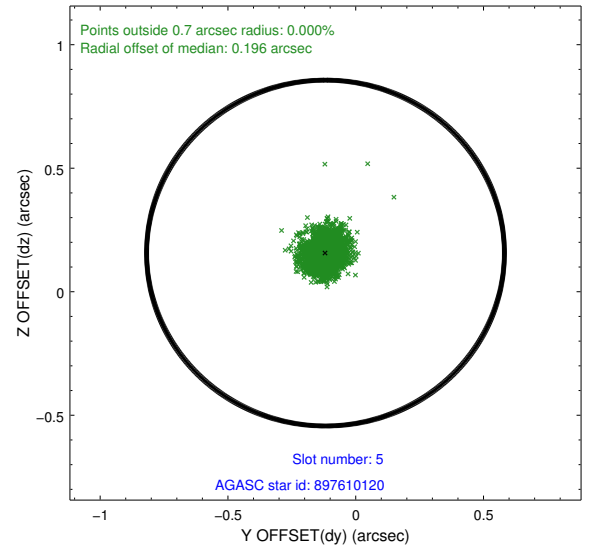
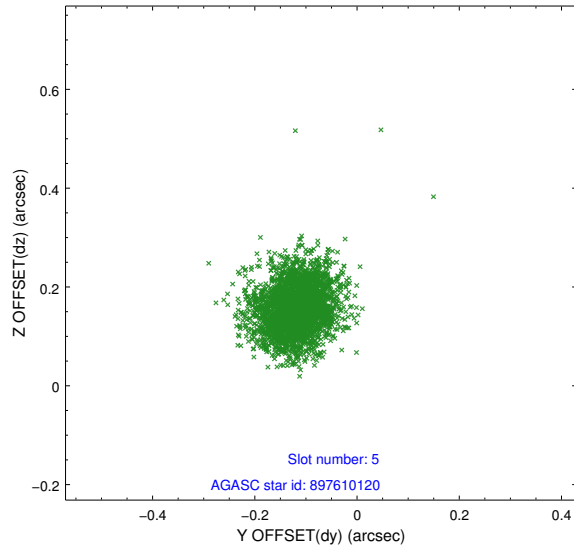
2.4.1 Slot 3



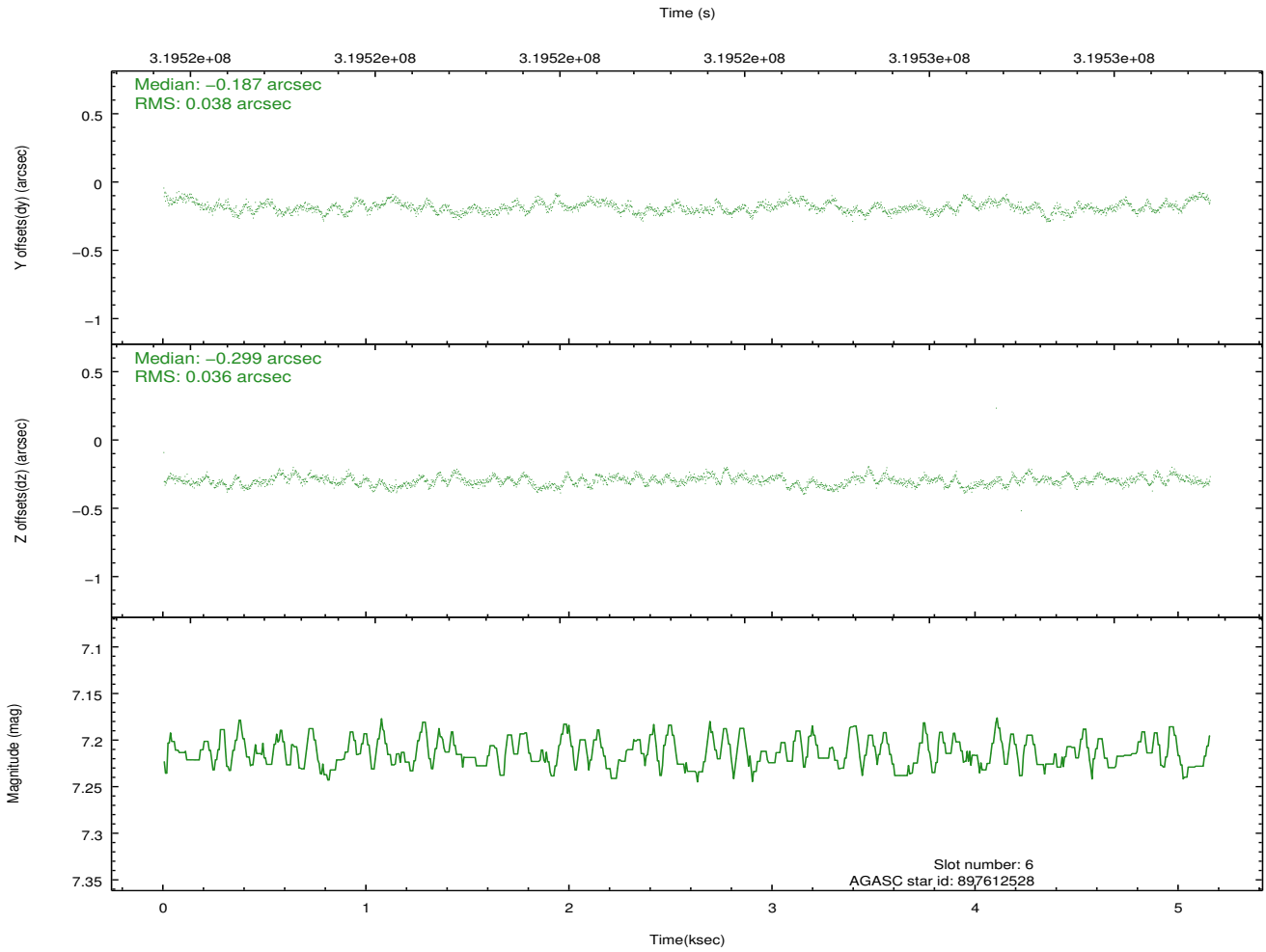
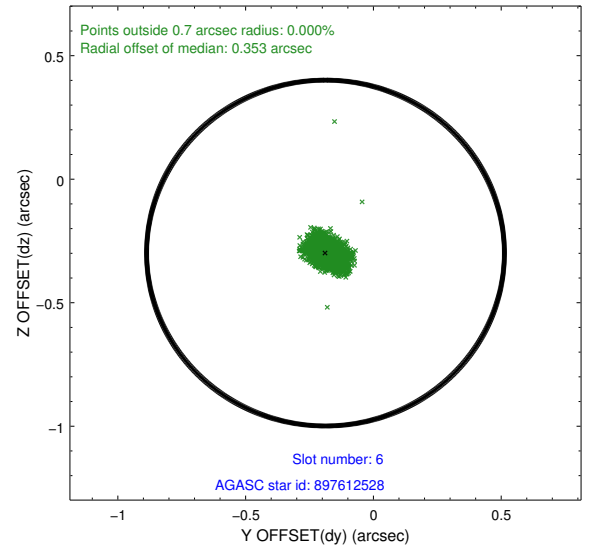
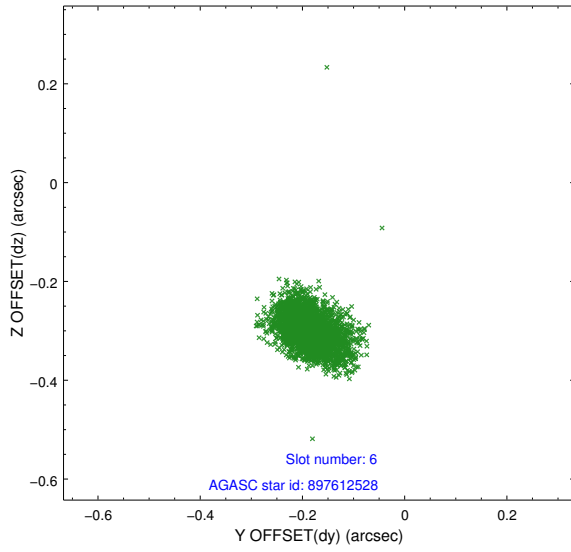
2.4.2 Slot 4



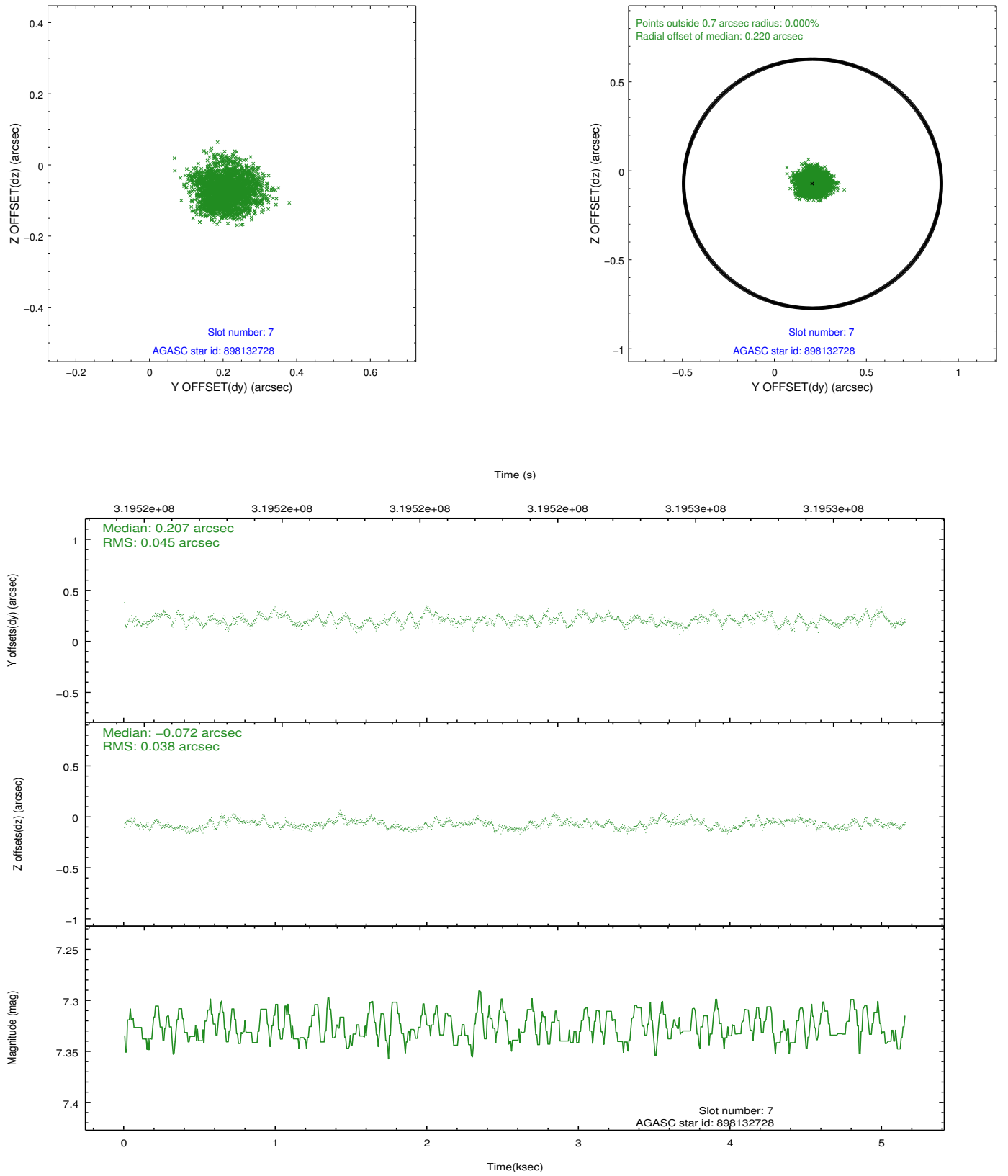
2.4.3 Slot 5



2.4.4 Slot 6

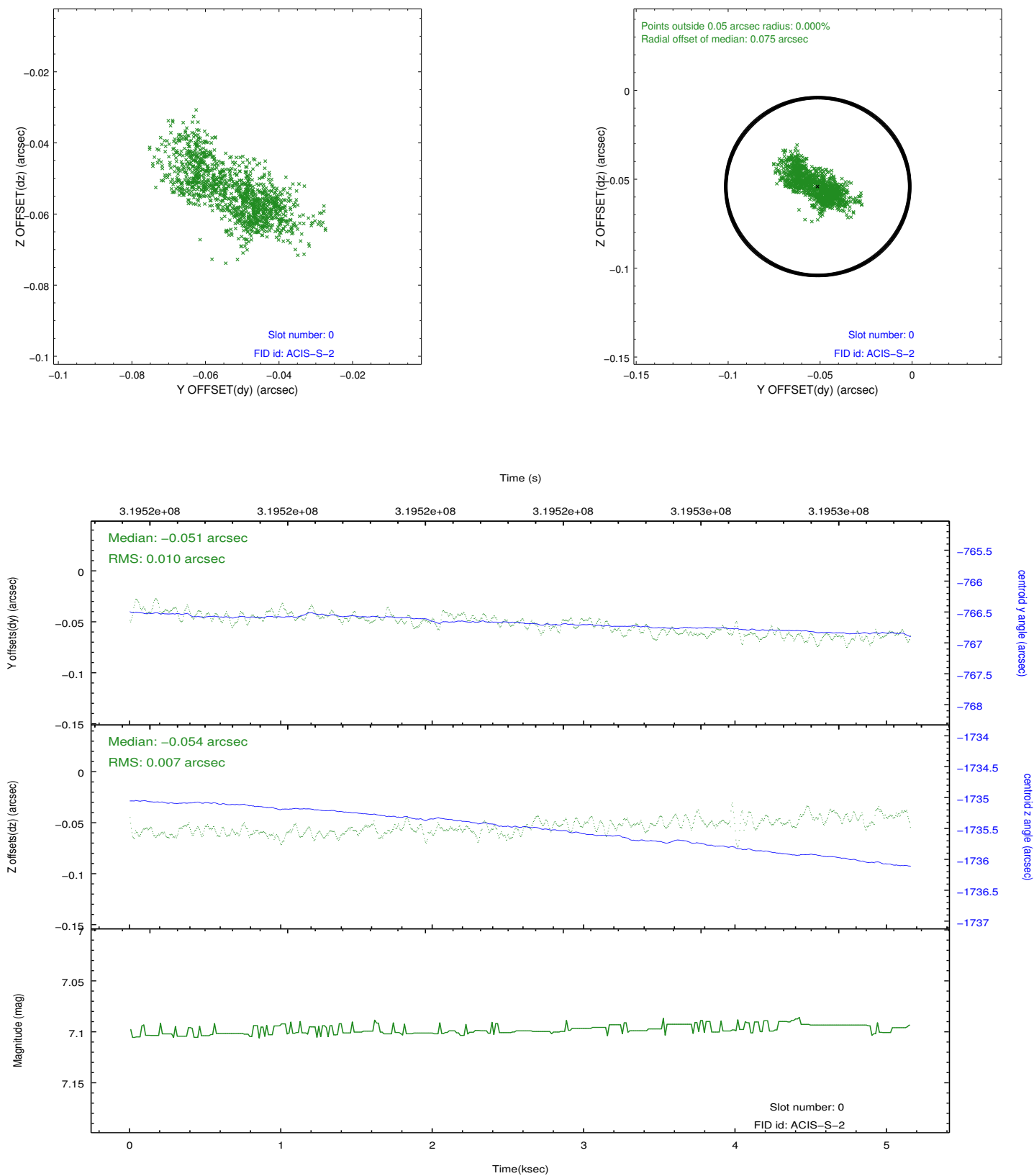


2.4.5 Slot 7

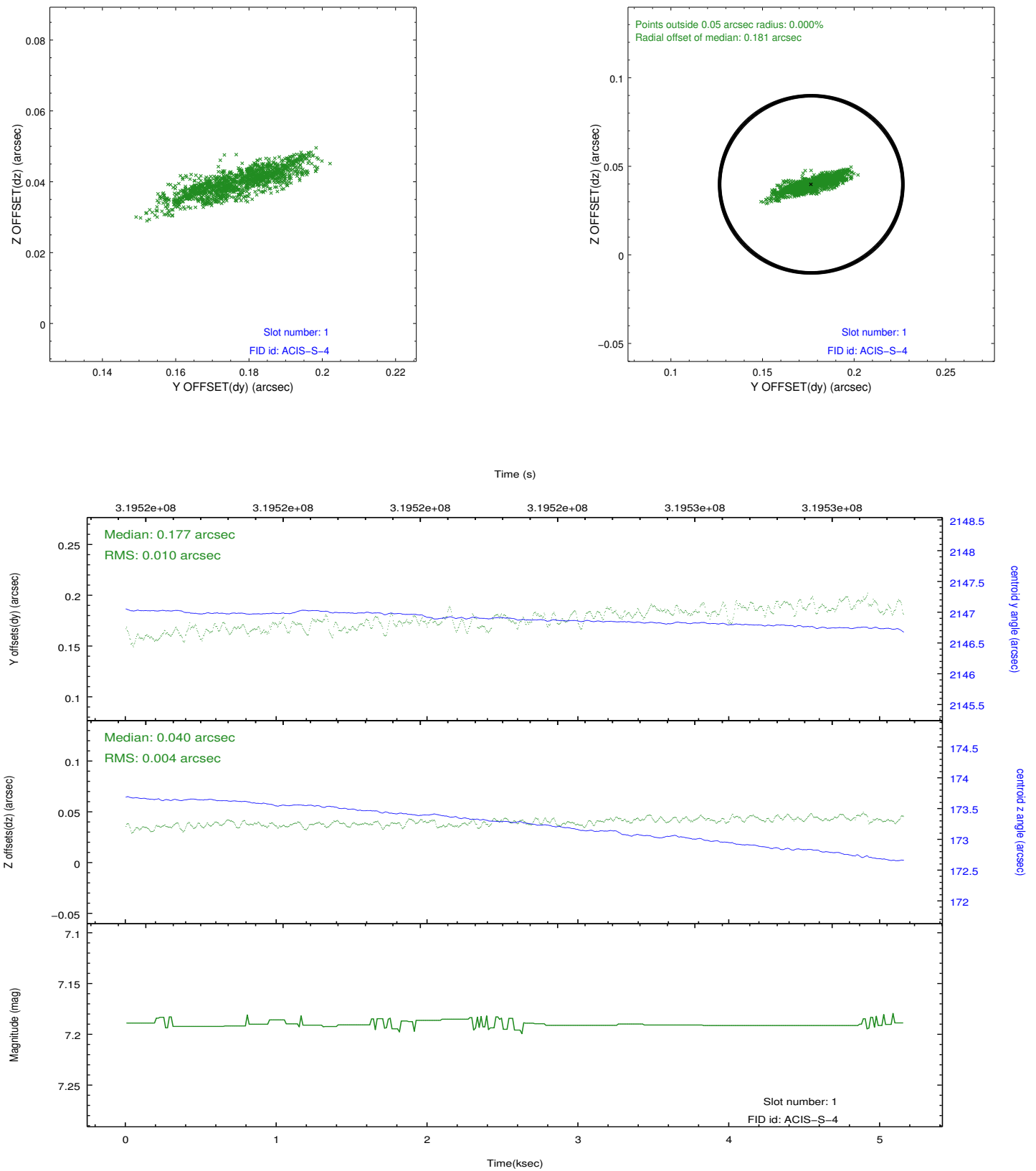


2.5 FID Slots

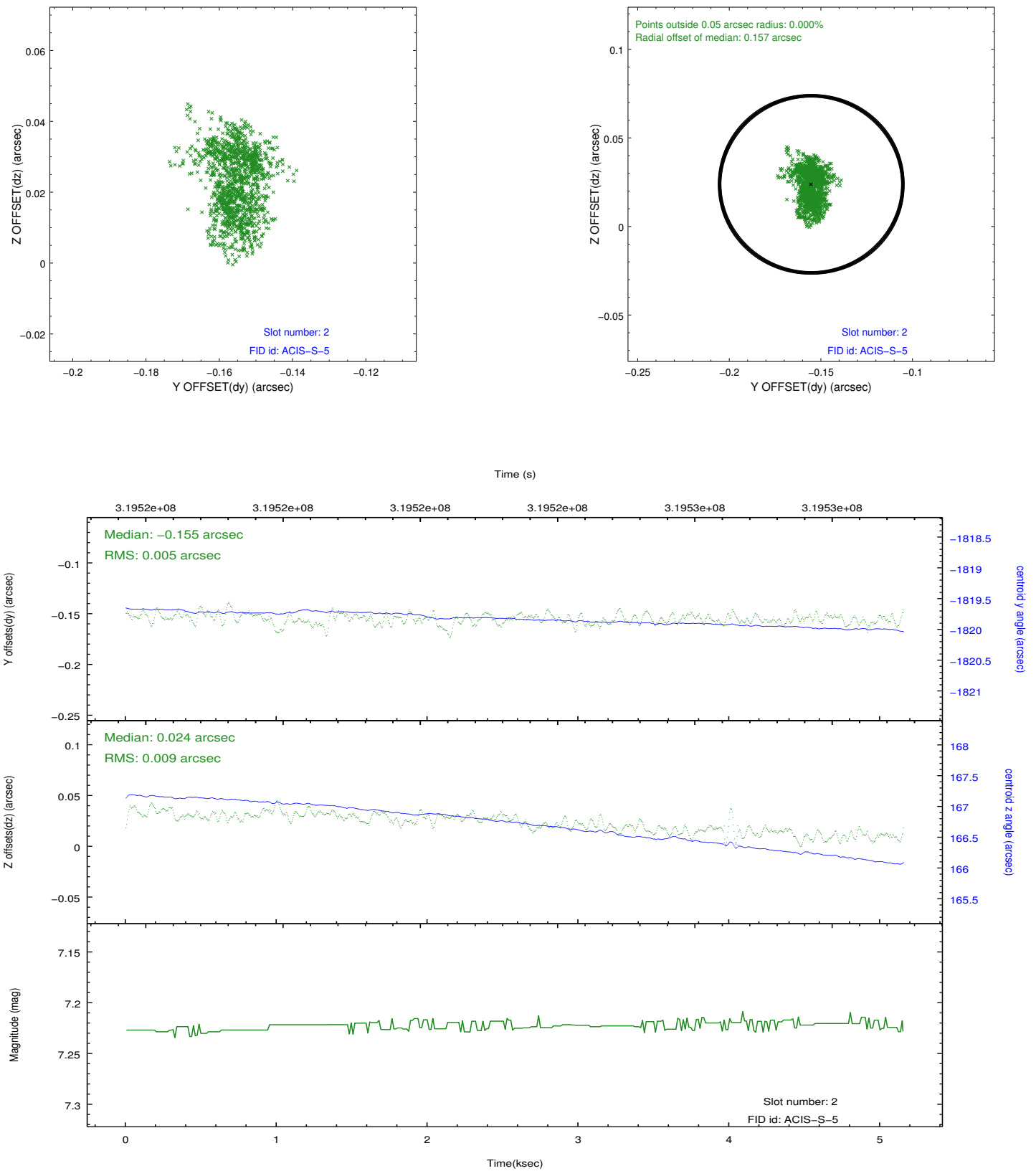
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14879998

A.2 Comments