

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10361 - L2 Version 2
Chandra X-Ray Center

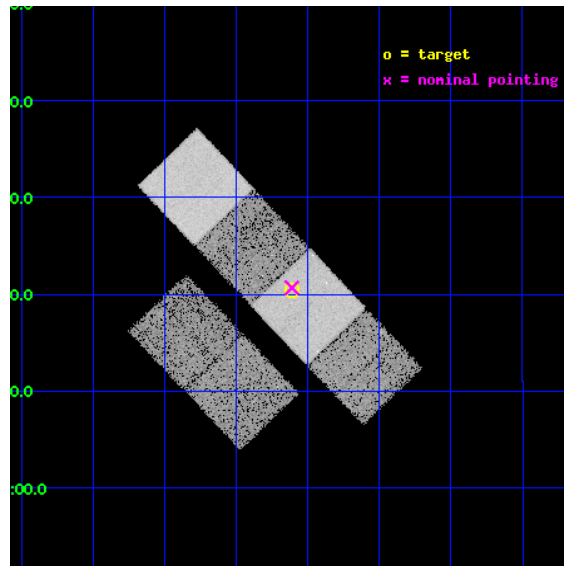
L2 Processing Date : May 28 2012

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

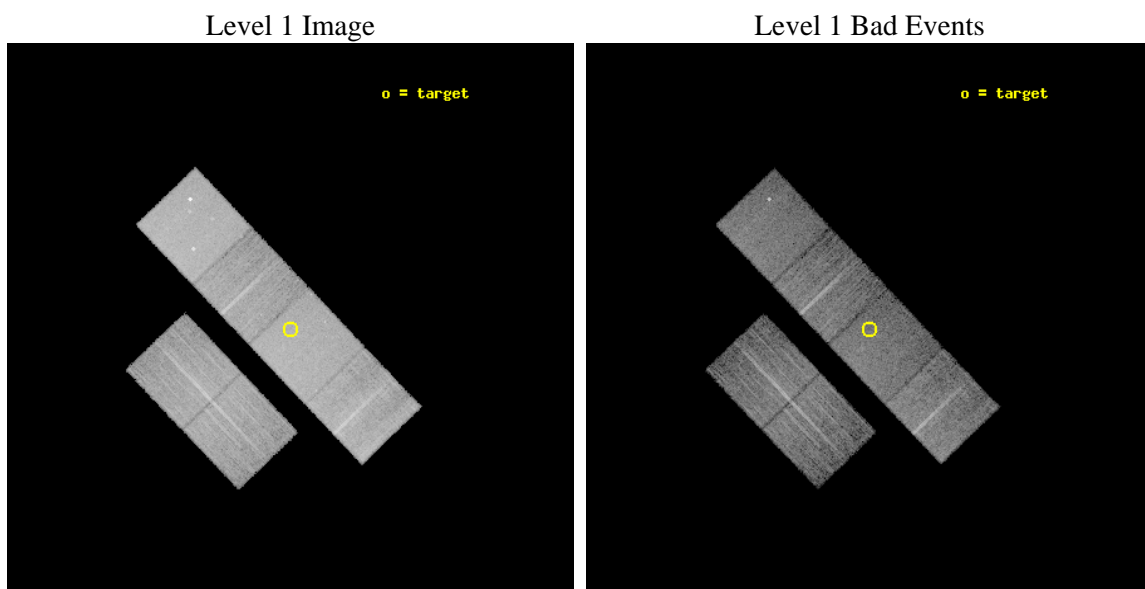
seq_num	701904	Sequence number
obs_id	10361	Observation id
title	Testing the Radiative-Driving Hypothesis of Quasar Outflows	Propos
observer	Dr. Rajib Ganguly	Principal investigator
object	SDSS J0854+0220	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	133.651667	Observer's specified target RA [deg]
dec_targ	2.339889	Observer's specified target Dec [deg]
ra_nom	133.65269415467	Nominal RA [deg]
dec_nom	2.3446706952621	Nominal Dec [deg]
roll_nom	46.353435533169	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8451.1999685764	Sum of GTIs [s]
livetime	8344.1857858726	Livetime [s]
ontime2	8451.1999685764	Sum of GTIs [s]
ontime3	8451.1999685764	Sum of GTIs [s]
ontime5	8451.1999685764	Sum of GTIs [s]
ontime6	8451.1999685764	Sum of GTIs [s]
ontime7	8451.1999685764	Sum of GTIs [s]
ontime8	8451.1999685764	Sum of GTIs [s]
l2events	143435	Number of level 2 events



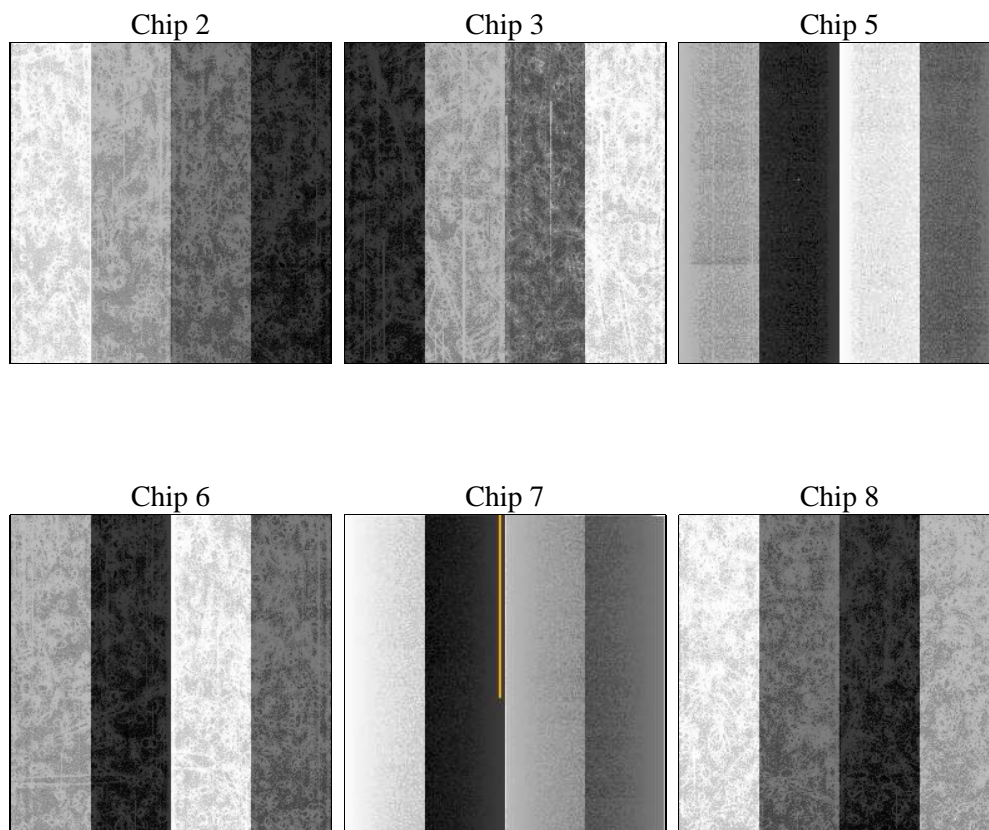
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8451.1999685764	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8451.1999685764	Sum of GTIs [s]
date	2012-05-28T12:52:36	Date and time of file creation	ontime3	8451.1999685764	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8451.1999685764	Sum of GTIs [s]
			ontime6	8451.1999685764	Sum of GTIs [s]
			ontime7	8451.1999685764	Sum of GTIs [s]
			ontime8	8451.1999685764	Sum of GTIs [s]
			l1events	617556	Number of level 1 events

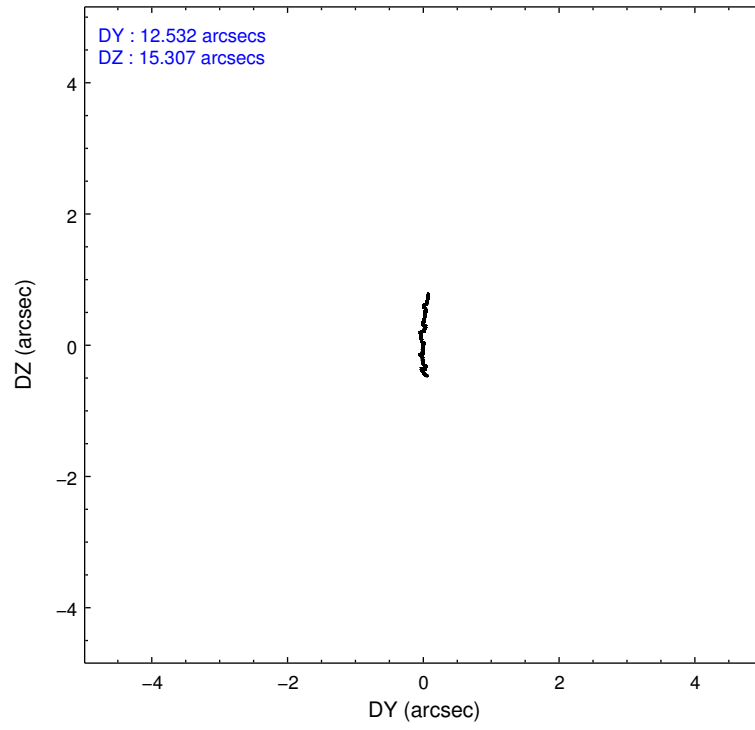
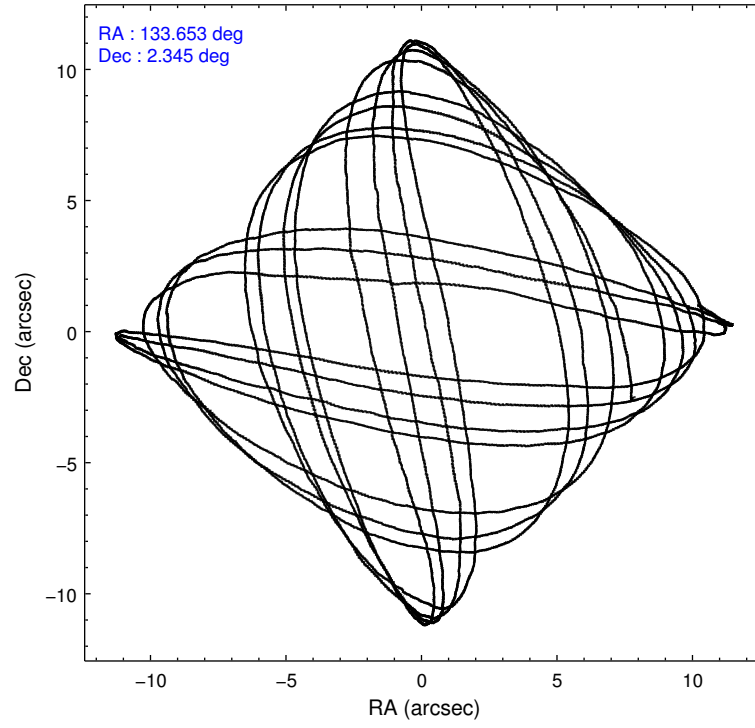
2.1.4 Events

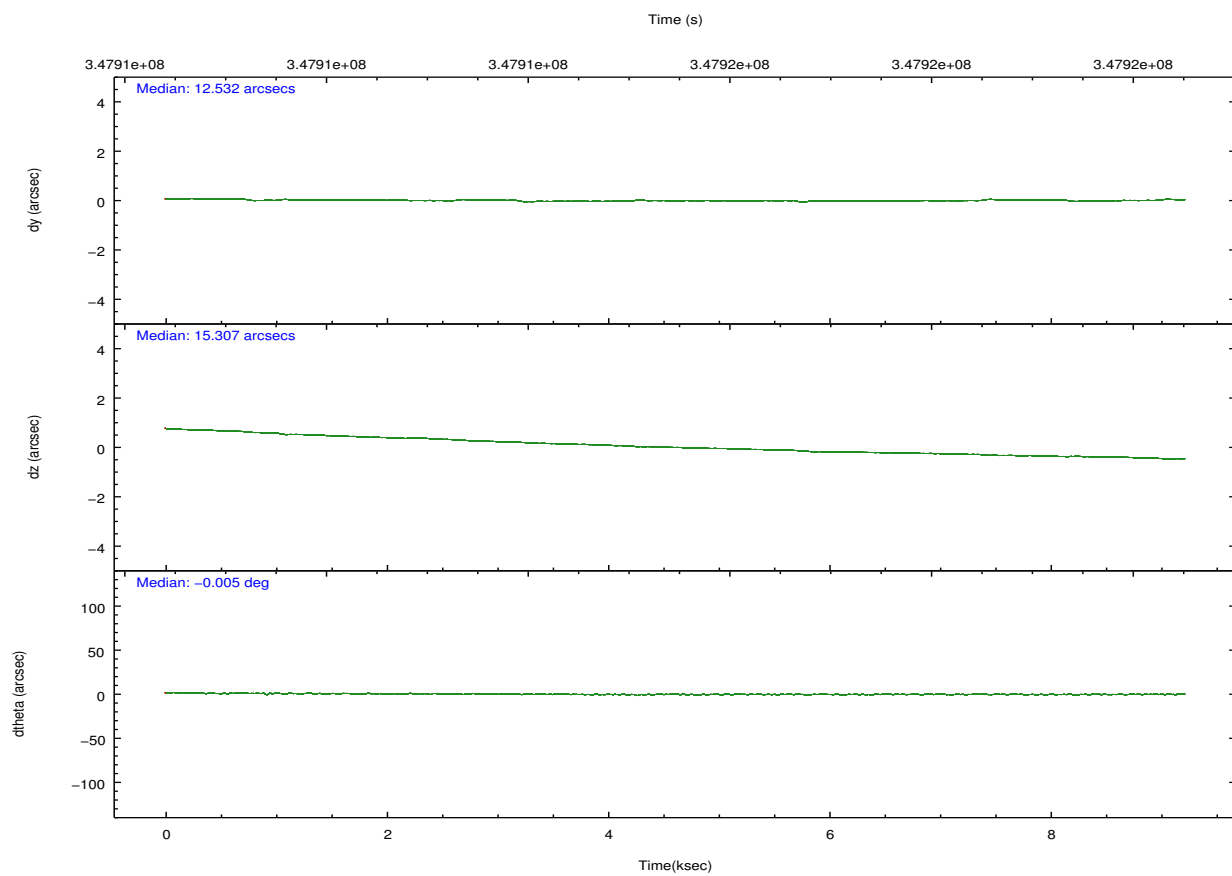
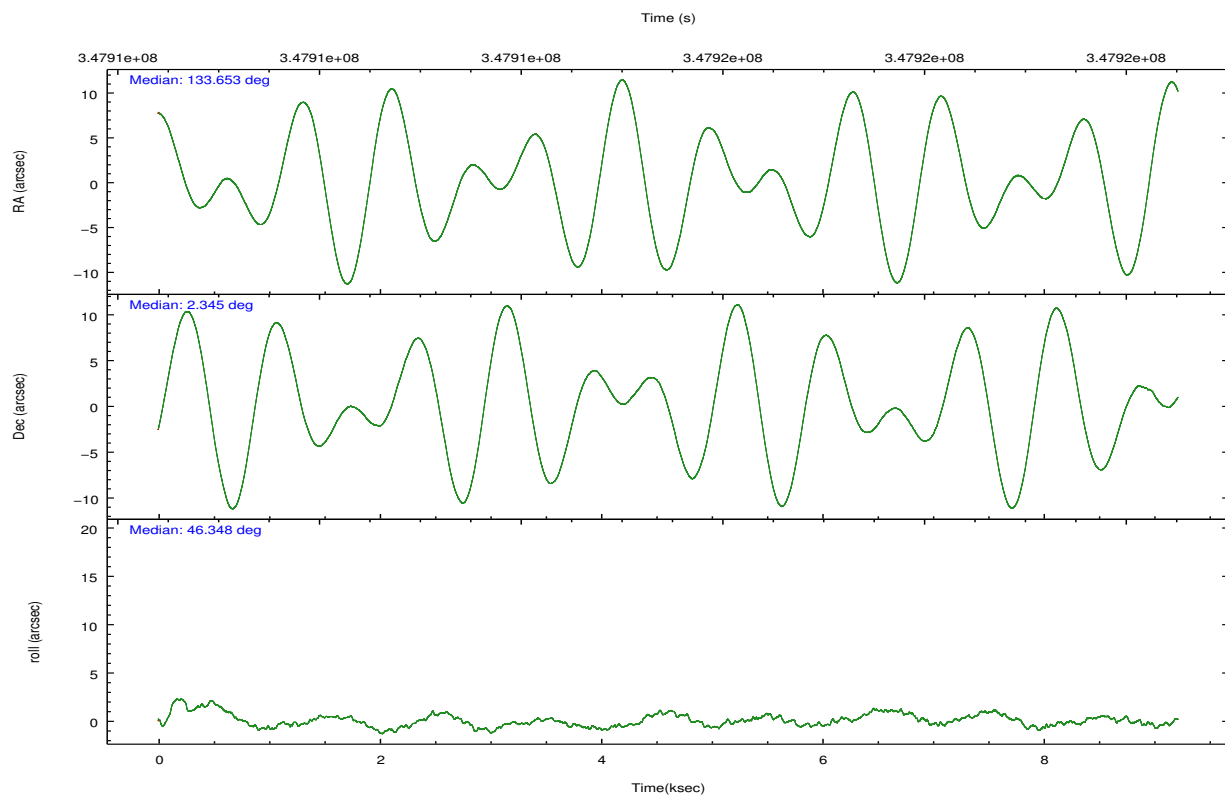
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	84611	83842	134437	85407	118392	110867	grade 0 events	4181	4429	5026	4157	4210	7985
rejected events	74662	73586	72541	74786	69073	85689		4%	5%	3%	4%	3%	7%
rejected %	88%	87%	53%	87%	58%	77%	grade 1 events	55	67	200	51	140	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	2201	2022	19981	2371	10205	5858
								2%	2%	14%	2%	8%	5%
							grade 3 events	888	985	2153	976	4163	2481
								1%	1%	1%	1%	3%	2%
							grade 4 events	907	1003	2060	986	4131	2464
								1%	1%	1%	1%	3%	2%
							grade 5 events	3541	3996	9444	4079	11319	5572
								4%	4%	7%	4%	9%	5%
							grade 6 events	1774	1819	32697	2134	26634	6396
								2%	2%	24%	2%	22%	5%
							grade 7 events	71064	69521	62876	70653	57590	80041
								83%	82%	46%	82%	48%	72%

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	133.646585	133.6526941546658	CCD I2 on	O1	Y
[deg] Pointing Dec	2.317971	2.344670695262054	CCD I3 on	O2	Y
[deg] Pointing Roll	46.197057	46.35343553316907	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	347911558.184000	347910328.24752	CCD S5 on	N	N
Observation start date	2009-01-09T18:04:52	2009-01-09T17:45:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347920058.184000	347920332.76051	On-chip summing requested	N	N
Observation end date	2009-01-09T20:26:32	2009-01-09T20:32:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



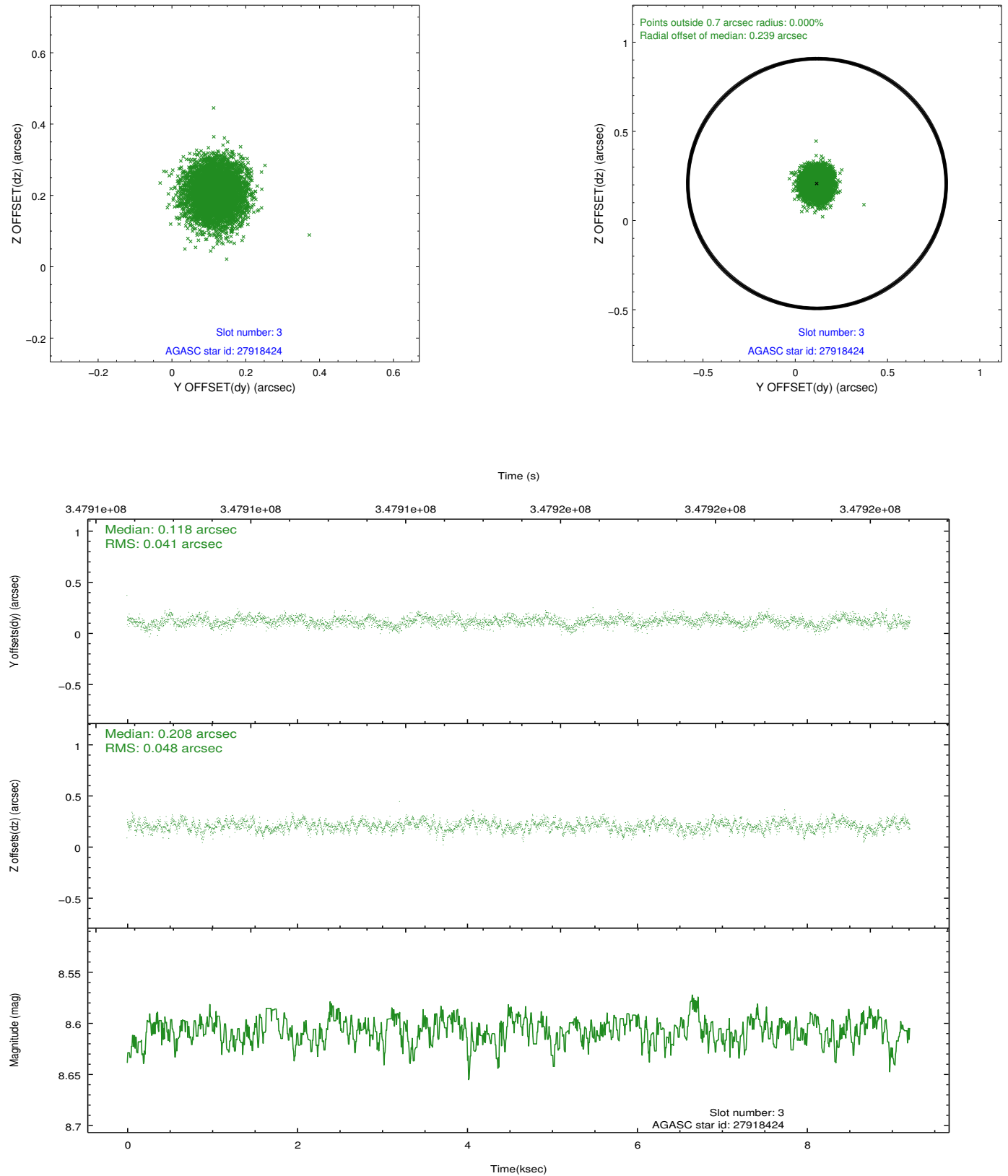


Slot Statistics

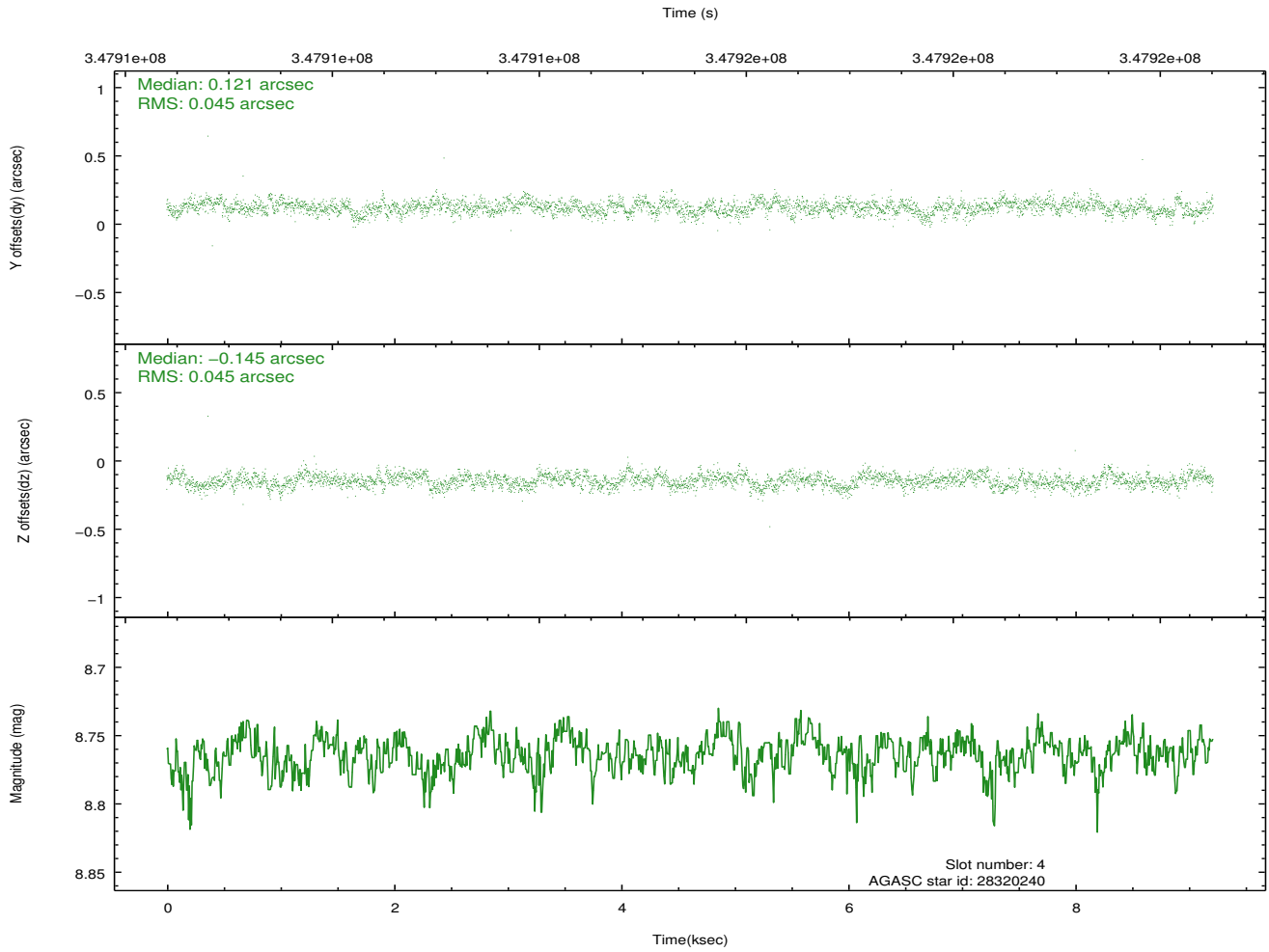
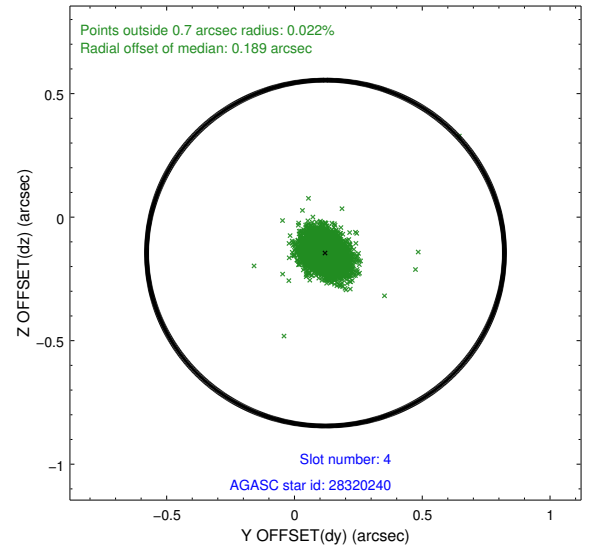
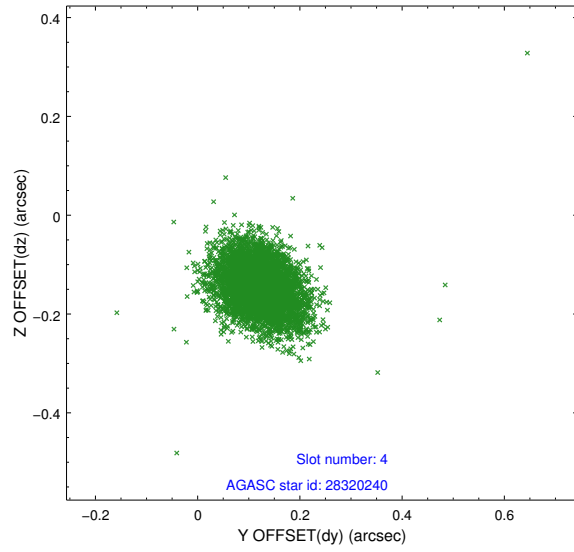
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2249	-0.044	-0.013	0.007	0.011	0.000000	0.000000	-765.45	-1736.78
1	FID	ACIS-S-4	6.98	2249	0.136	0.025	0.006	0.010	0.000000	0.000000	2147.70	171.18
2	FID	ACIS-S-5	7.01	2249	-0.123	-0.003	0.007	0.013	0.000000	0.000000	-1817.65	165.42
3	GUIDE	27918424	8.61	4495	0.118	0.208	0.068	0.105	133.611689	1.784797	-1471.88	-1238.03
4	GUIDE	28320240	8.76	4493	0.121	-0.145	0.066	0.108	133.122319	2.512432	-799.93	1845.06
5	GUIDE	28443632	7.21	4496	-0.081	0.210	0.071	0.113	134.306829	2.524874	2181.29	-1196.94
6	GUIDE	28447752	7.91	4493	-0.142	-0.114	0.071	0.110	133.592640	3.122358	1956.02	2144.05
7	GUIDE	28451536	7.66	4496	-0.023	-0.159	0.072	0.113	133.794167	2.628730	1175.30	391.49

2.4 Star Slots

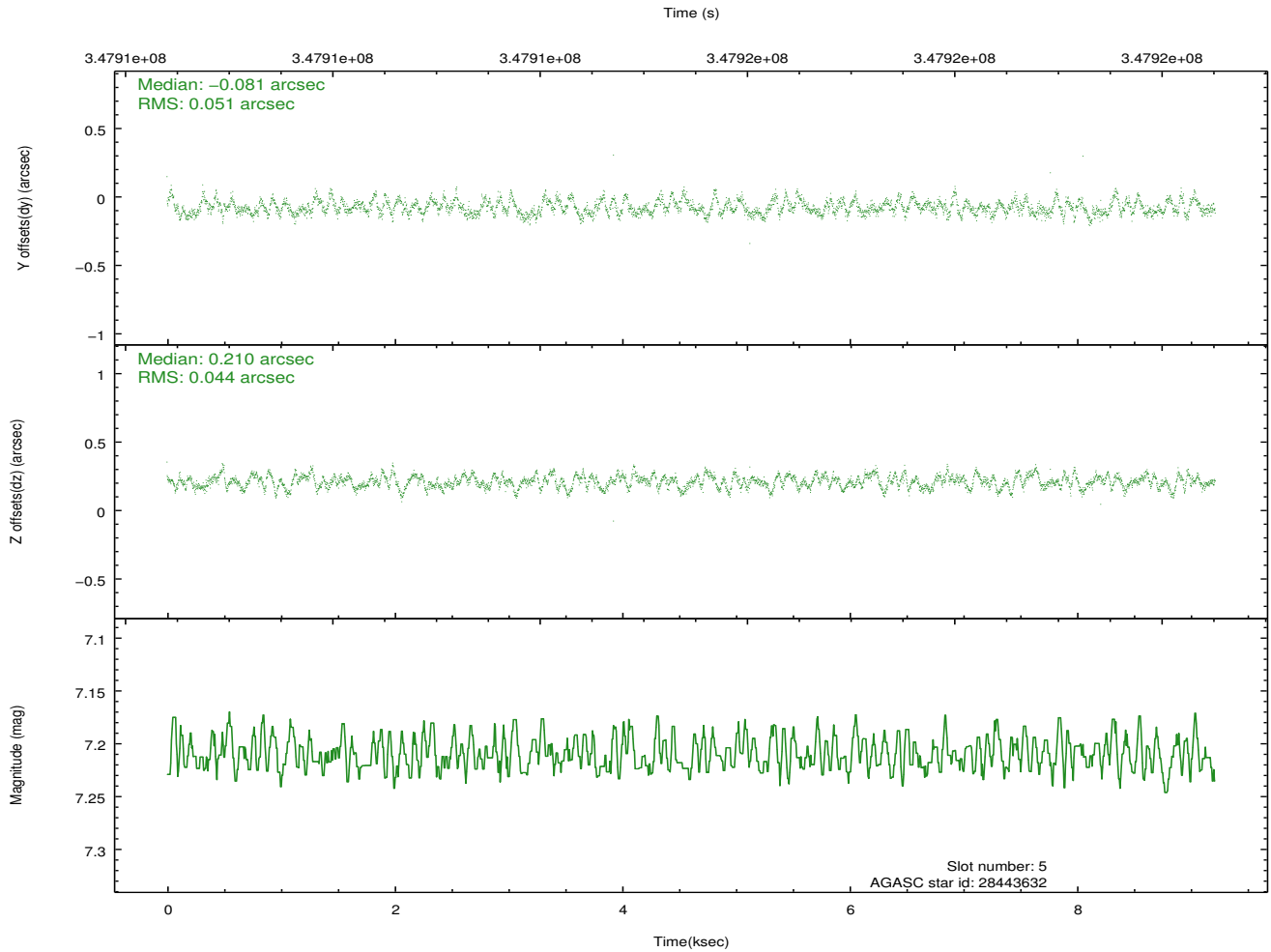
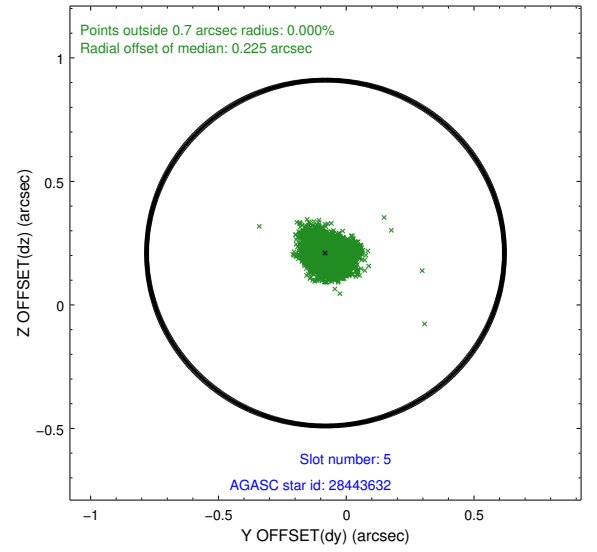
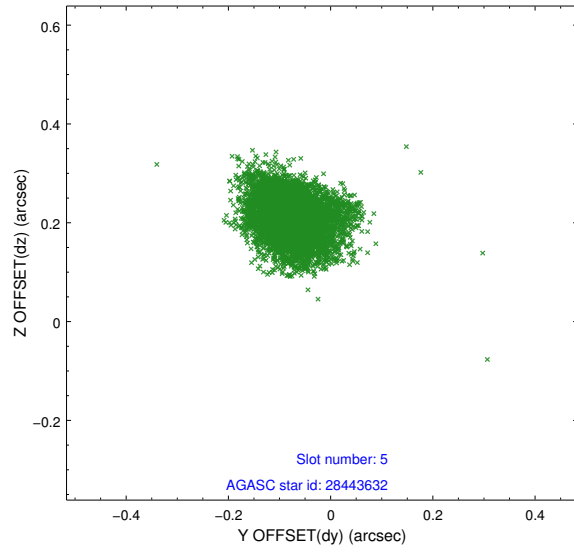
2.4.1 Slot 3



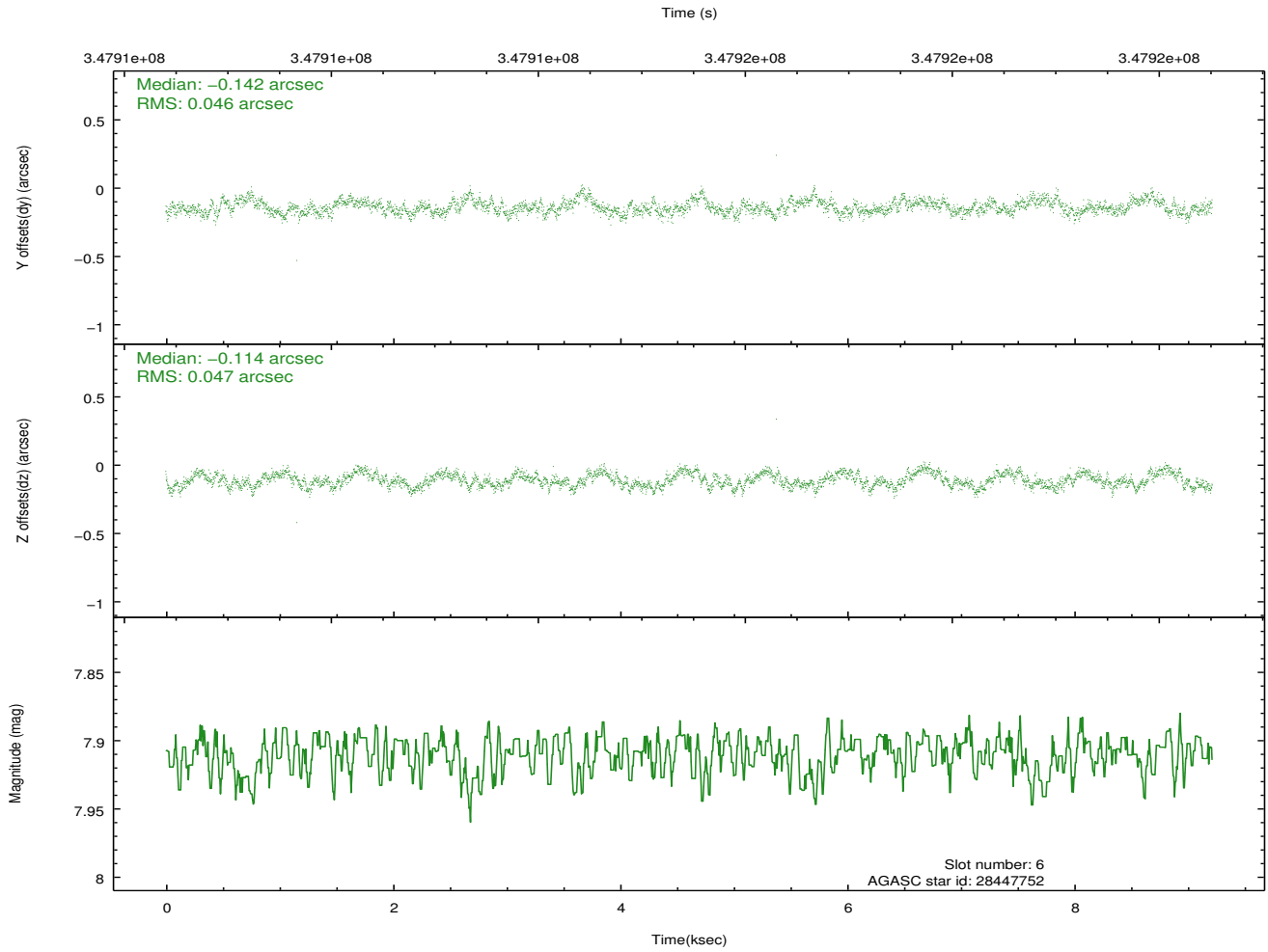
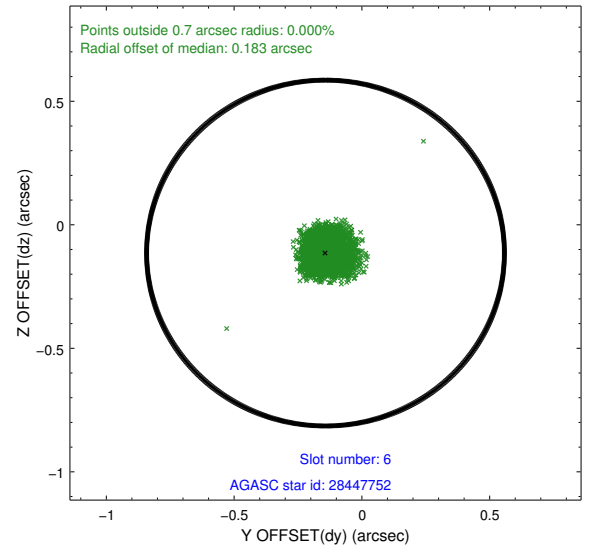
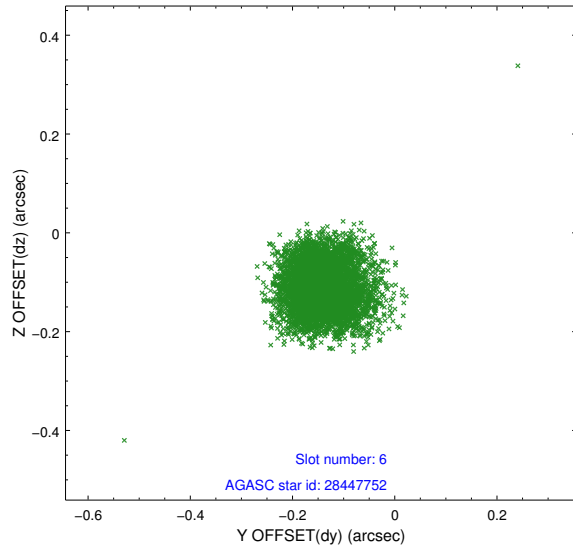
2.4.2 Slot 4



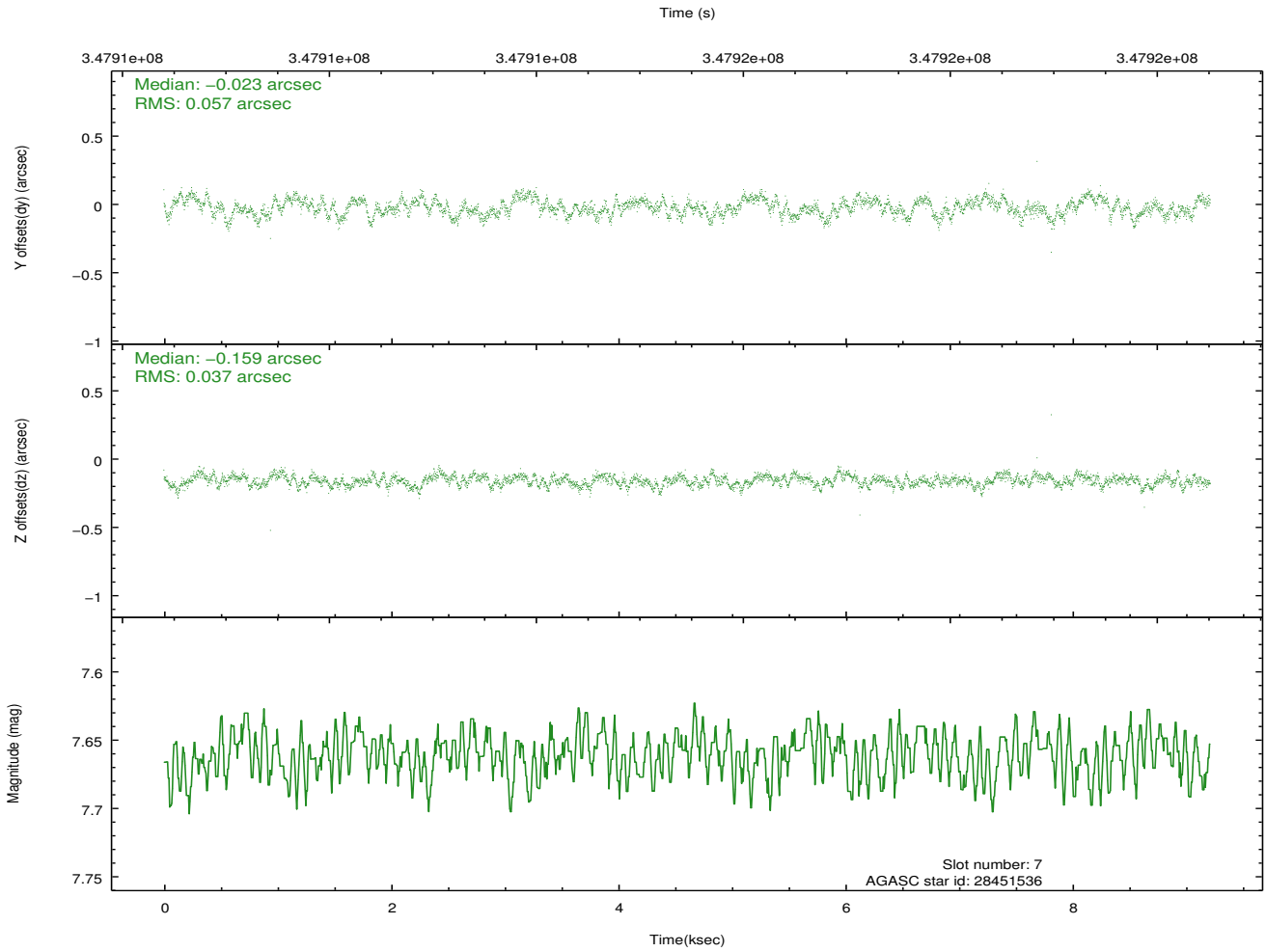
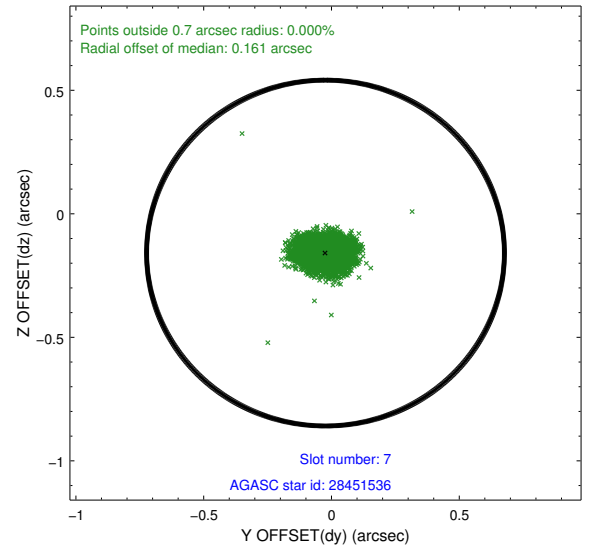
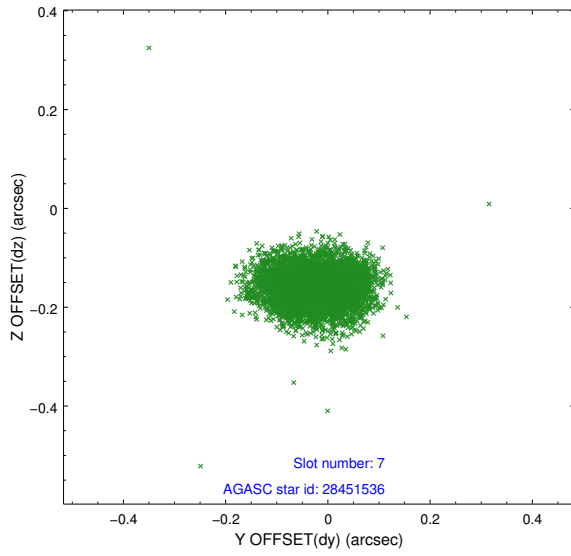
2.4.3 Slot 5



2.4.4 Slot 6

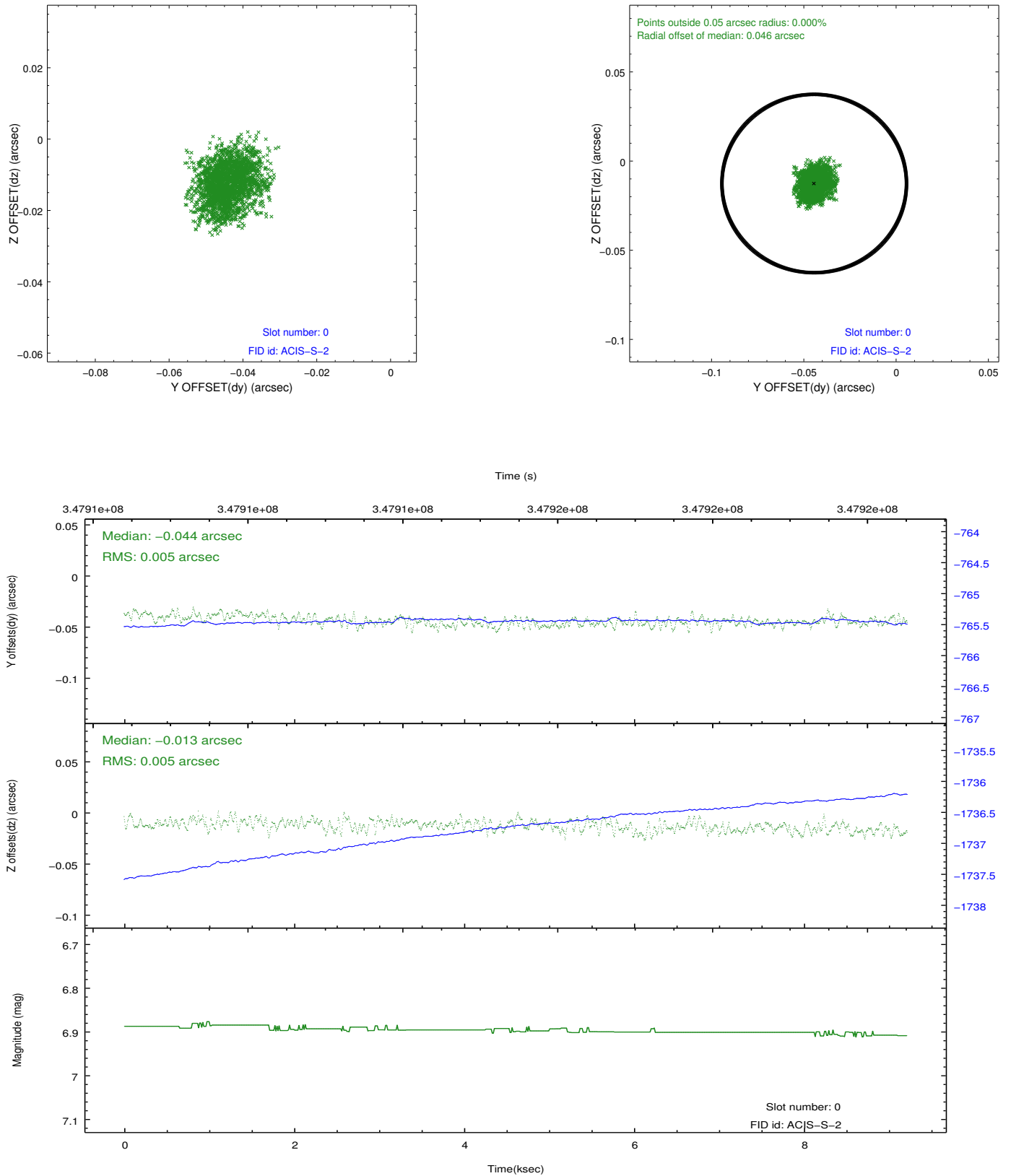


2.4.5 Slot 7

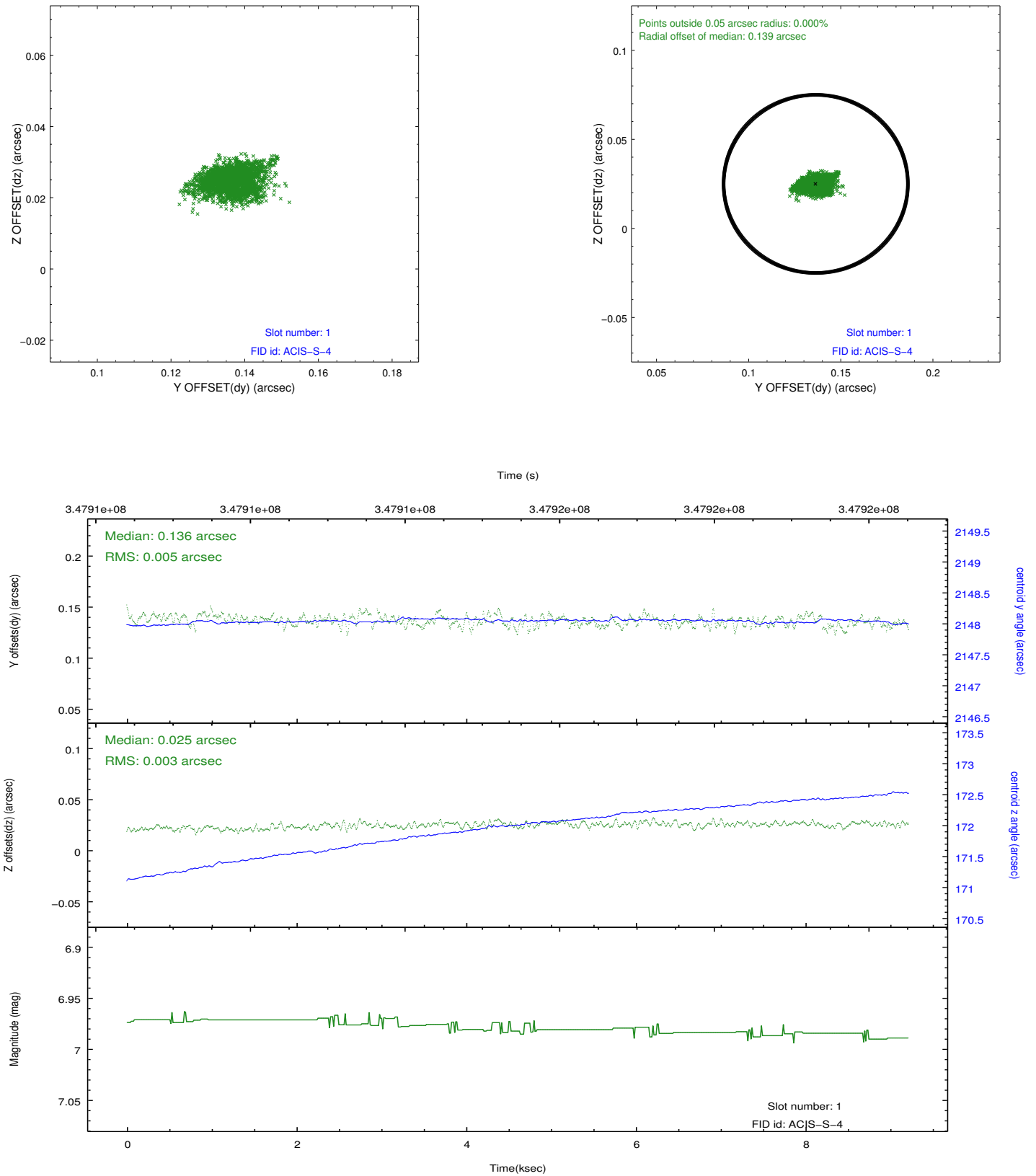


2.5 FID Slots

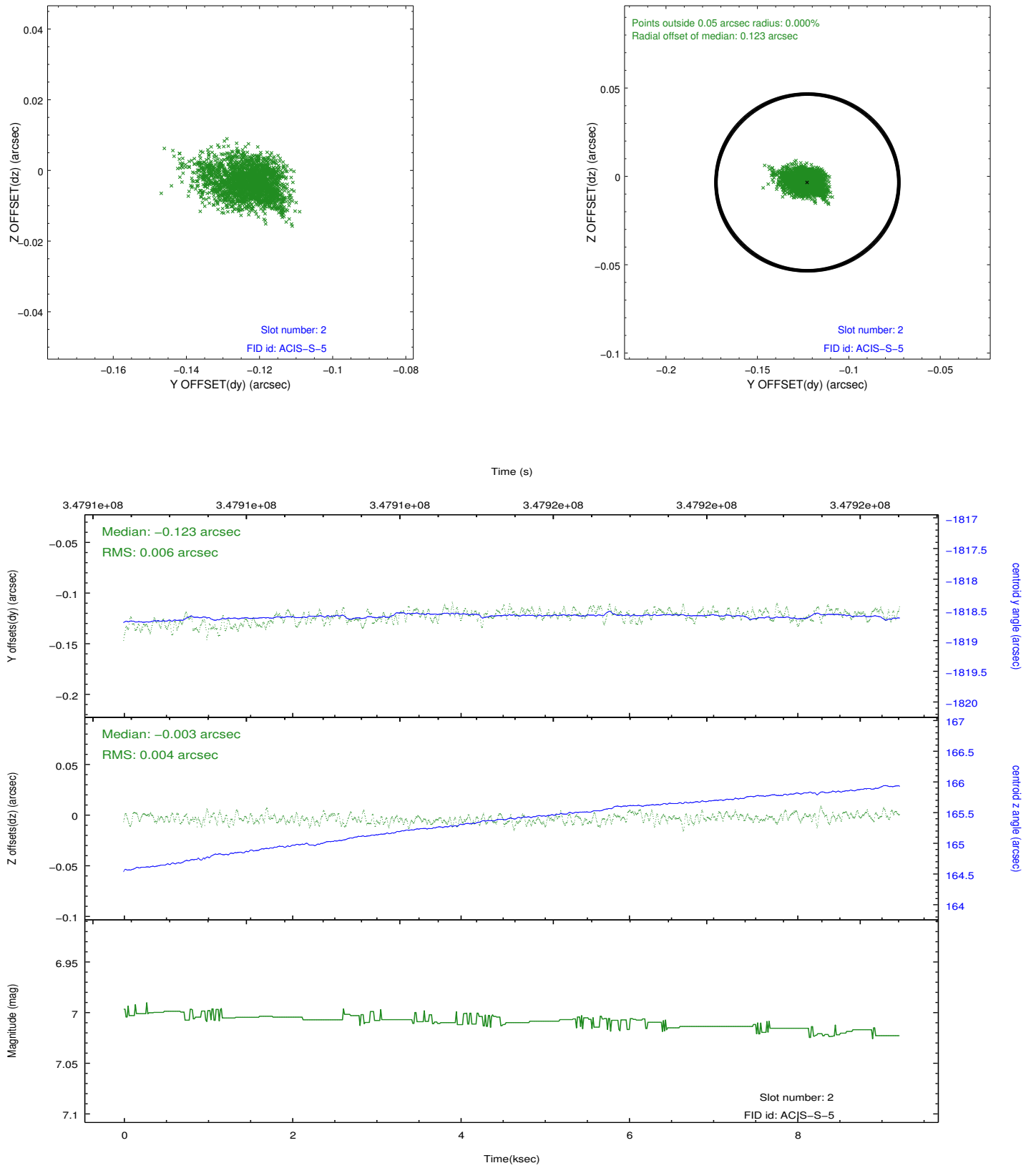
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.45119996

A.2 Comments