

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9023 - L2 Version 2
Chandra X-Ray Center

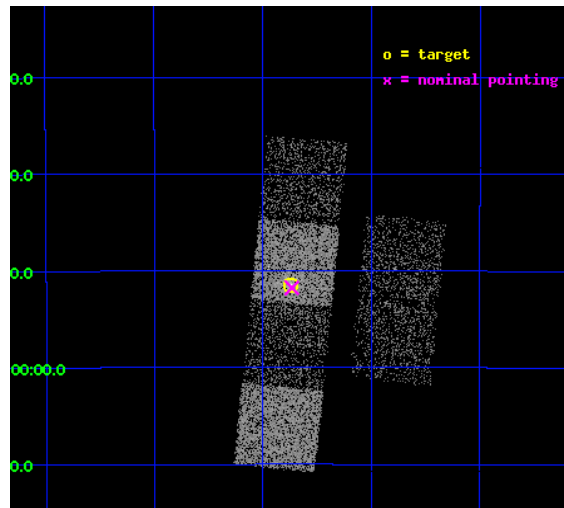
L2 Processing Date : May 18 2012

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1 Front

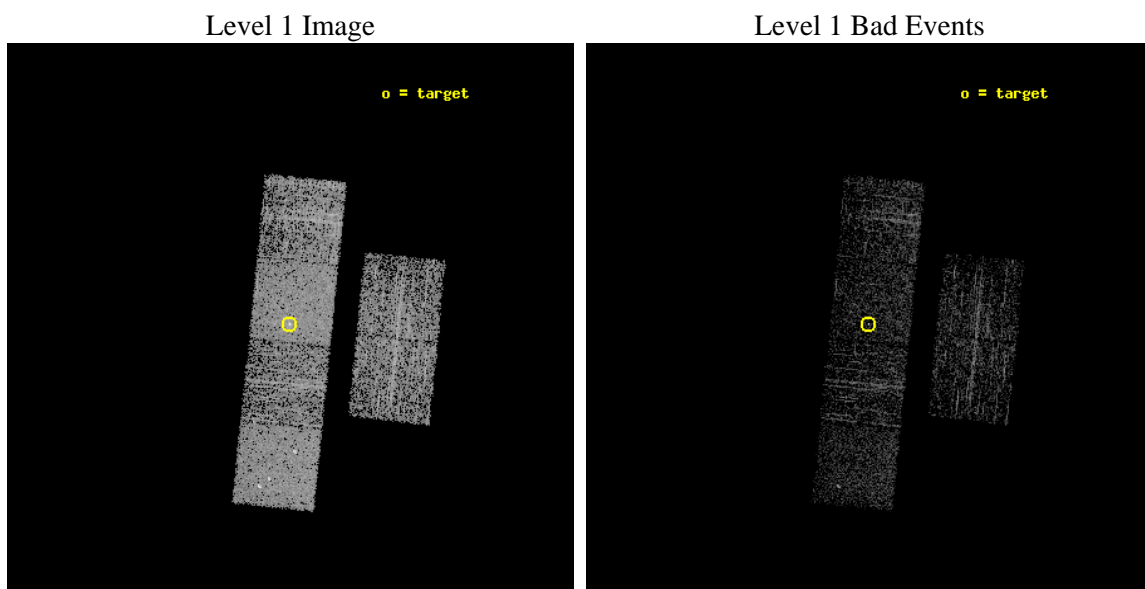
seq_num	400874	Sequence number
obs_id	9023	Observation id
title	Precise Localization of Neutron Star Soft X-ray Transients	Proposa
observer	Prof. Deepto Chakrabarty	Principal investigator
object	XTE J1701-407	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.434583	Observer's specified target RA [deg]
dec_targ	-40.858306	Observer's specified target Dec [deg]
ra_nom	255.43311885035	Nominal RA [deg]
dec_nom	-40.862886278574	Nominal Dec [deg]
roll_nom	275.76689754059	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1029.048194766	Sum of GTIs [s]
livetime	1016.0177669055	Livetime [s]
ontime2	1029.0892347693	Sum of GTIs [s]
ontime3	1028.9250747561	Sum of GTIs [s]
ontime5	1029.0071547627	Sum of GTIs [s]
ontime6	1028.9661147594	Sum of GTIs [s]
ontime7	1029.048194766	Sum of GTIs [s]
ontime8	1028.8840347528	Sum of GTIs [s]
l2events	18643	Number of level 2 events



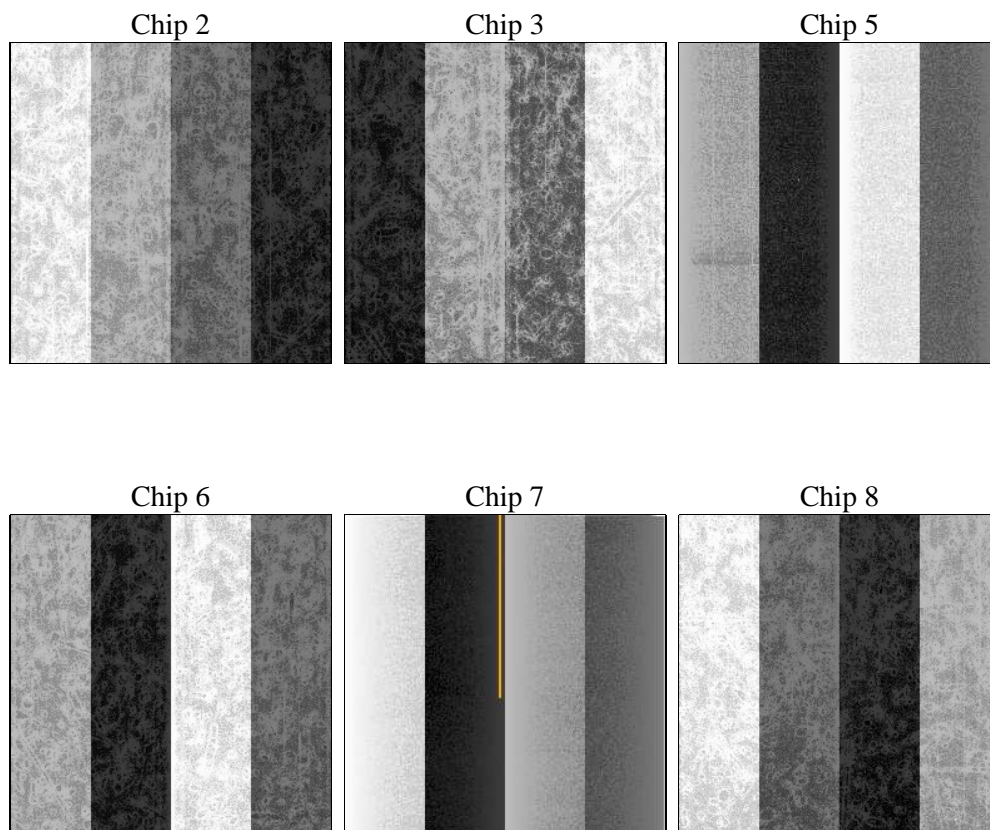
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1077.584000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1029.048194766	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1029.0892347693	Sum of GTIs [s]
date	2012-05-19T01:46:32	Date and time of file creation	ontime3	1028.9250747561	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1029.0071547627	Sum of GTIs [s]
			ontime6	1028.9661147594	Sum of GTIs [s]
			ontime7	1029.048194766	Sum of GTIs [s]
			ontime8	1028.8840347528	Sum of GTIs [s]
			l1events	76087	Number of level 1 events

2.1.4 Events

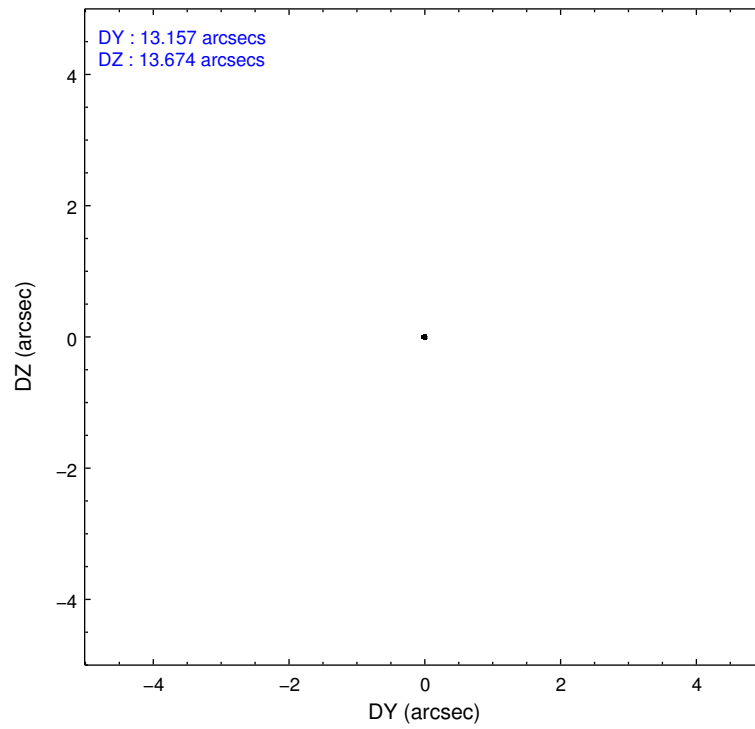
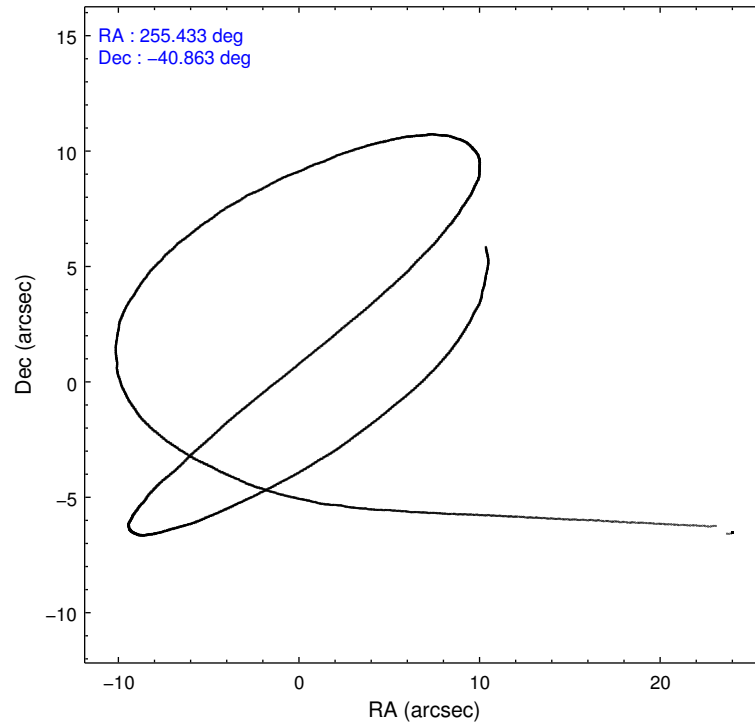
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10497	9837	16178	10555	15848	13172
rejected events	9217	8674	8617	9018	8493	9952
rejected %	87%	88%	53%	85%	53%	75%

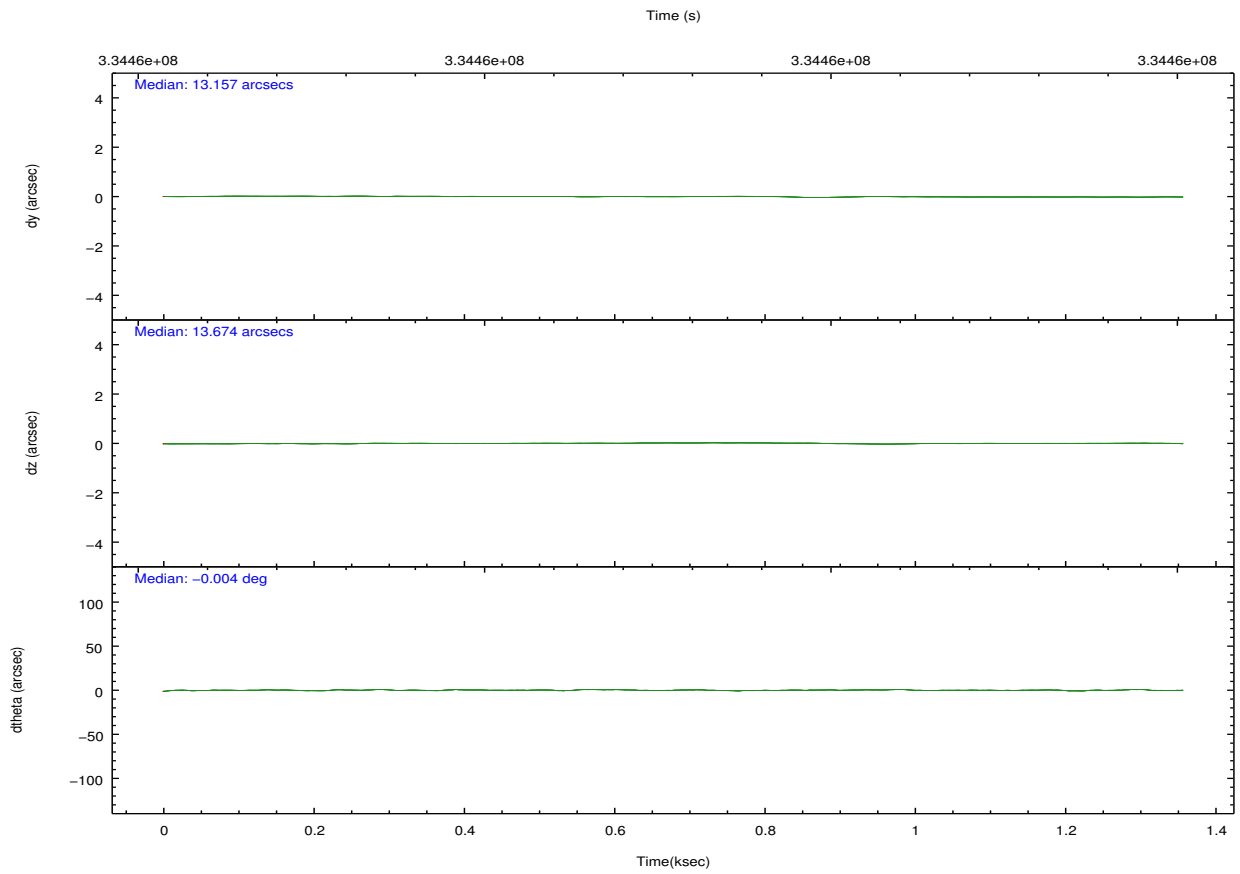
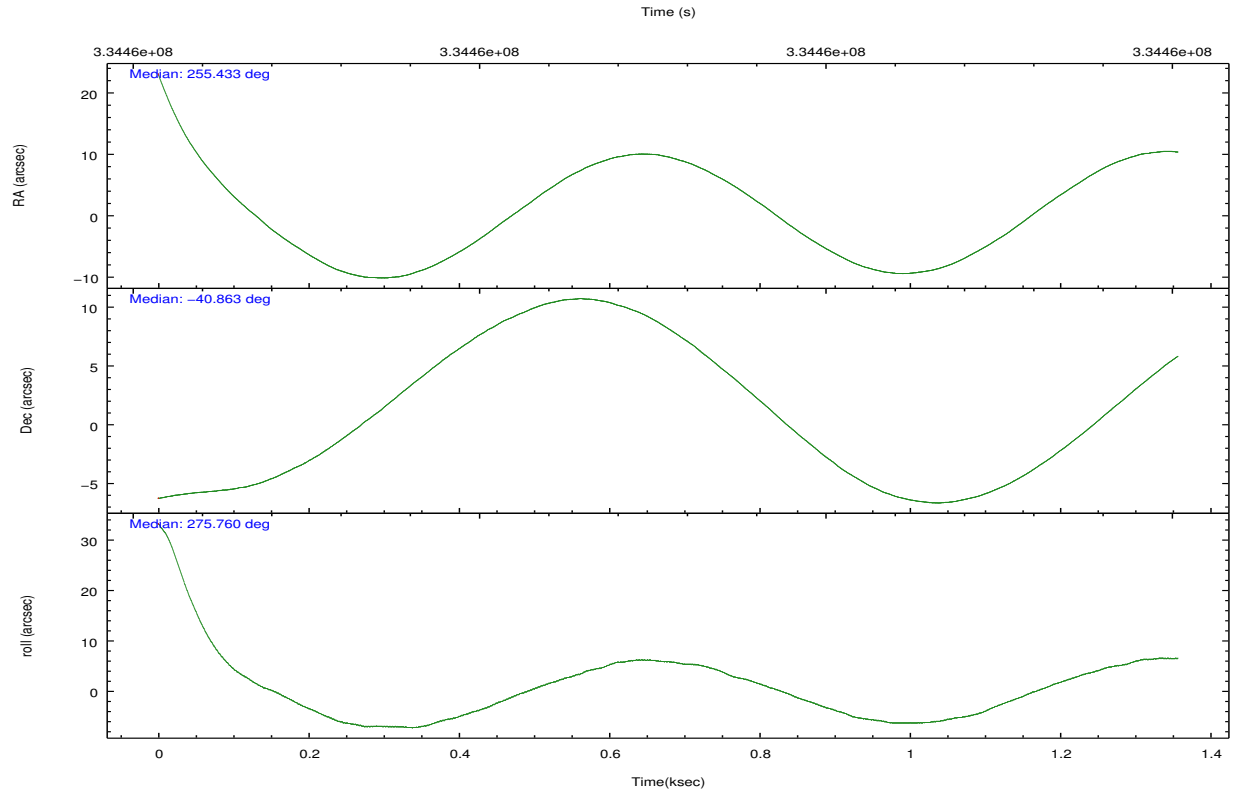
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	529	522	974	737	802	1042
	5%	5%	6%	6%	5%	7%
grade 1 events	8	7	37	8	22	7
	0%	0%	0%	0%	0%	0%
grade 2 events	300	209	2298	304	1584	786
	2%	2%	14%	2%	9%	5%
grade 3 events	115	111	243	125	666	270
	1%	1%	1%	1%	4%	2%
grade 4 events	112	105	248	139	655	283
	1%	1%	1%	1%	4%	2%
grade 5 events	412	467	1051	482	1415	626
	3%	4%	6%	4%	8%	4%
grade 6 events	227	227	3842	239	3666	850
	2%	2%	23%	2%	23%	6%
grade 7 events	8794	8189	7485	8521	7038	9308
	83%	83%	46%	80%	44%	70%

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	255.411476	255.4331188503468	CCD I2 on	O1	Y
[deg] Pointing Dec	-40.840598	-40.86288627857373	CCD I3 on	O2	Y
[deg] Pointing Roll	275.595912	275.7668975405863	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	O4	Y
[s] Observation start time (MET)	334461878.184000	334460866.16247	CCD S5 on	N	N
Observation start date	2008-08-07T02:03:33	2008-08-07T01:47:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334462956.184000	334463178.56258	On-chip summing requested	N	N
Observation end date	2008-08-07T02:21:31	2008-08-07T02:26:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



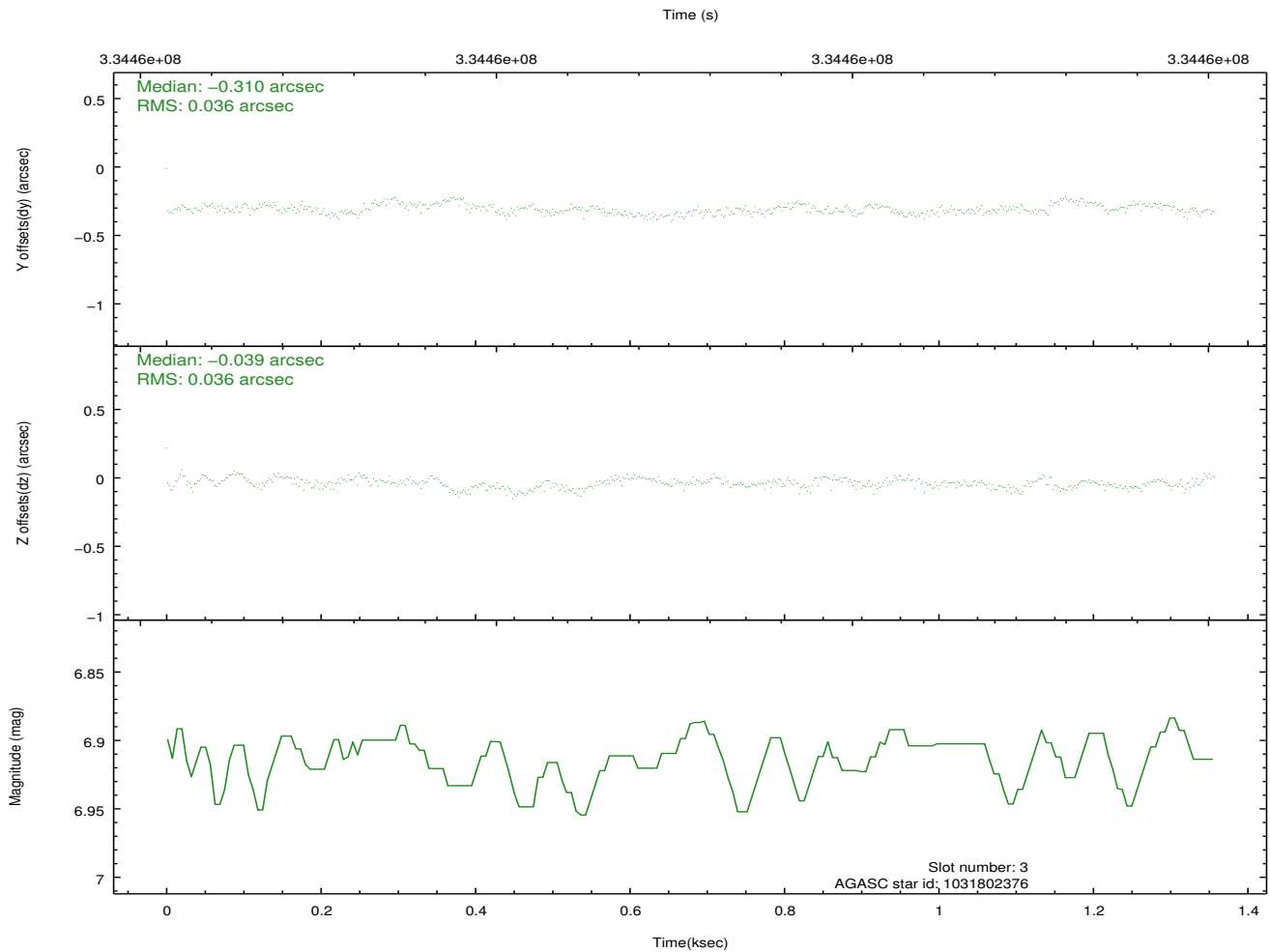
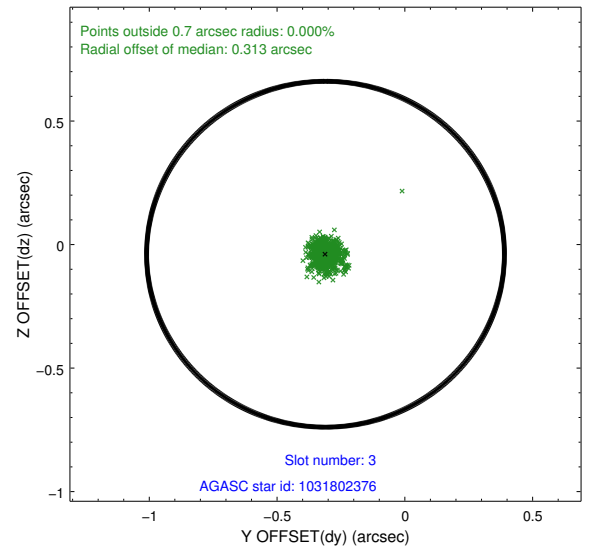
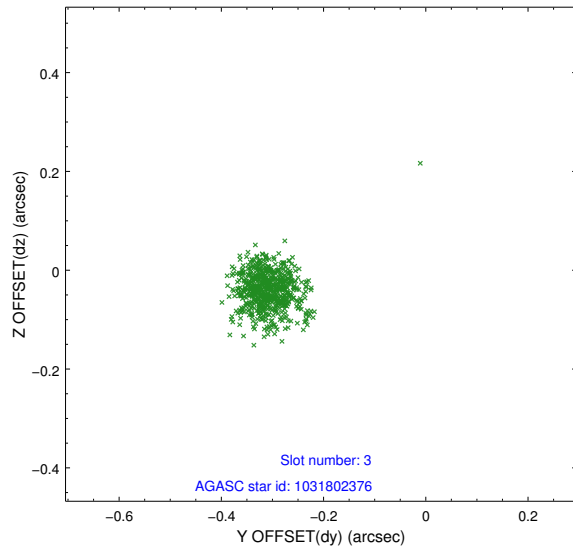


Slot Statistics

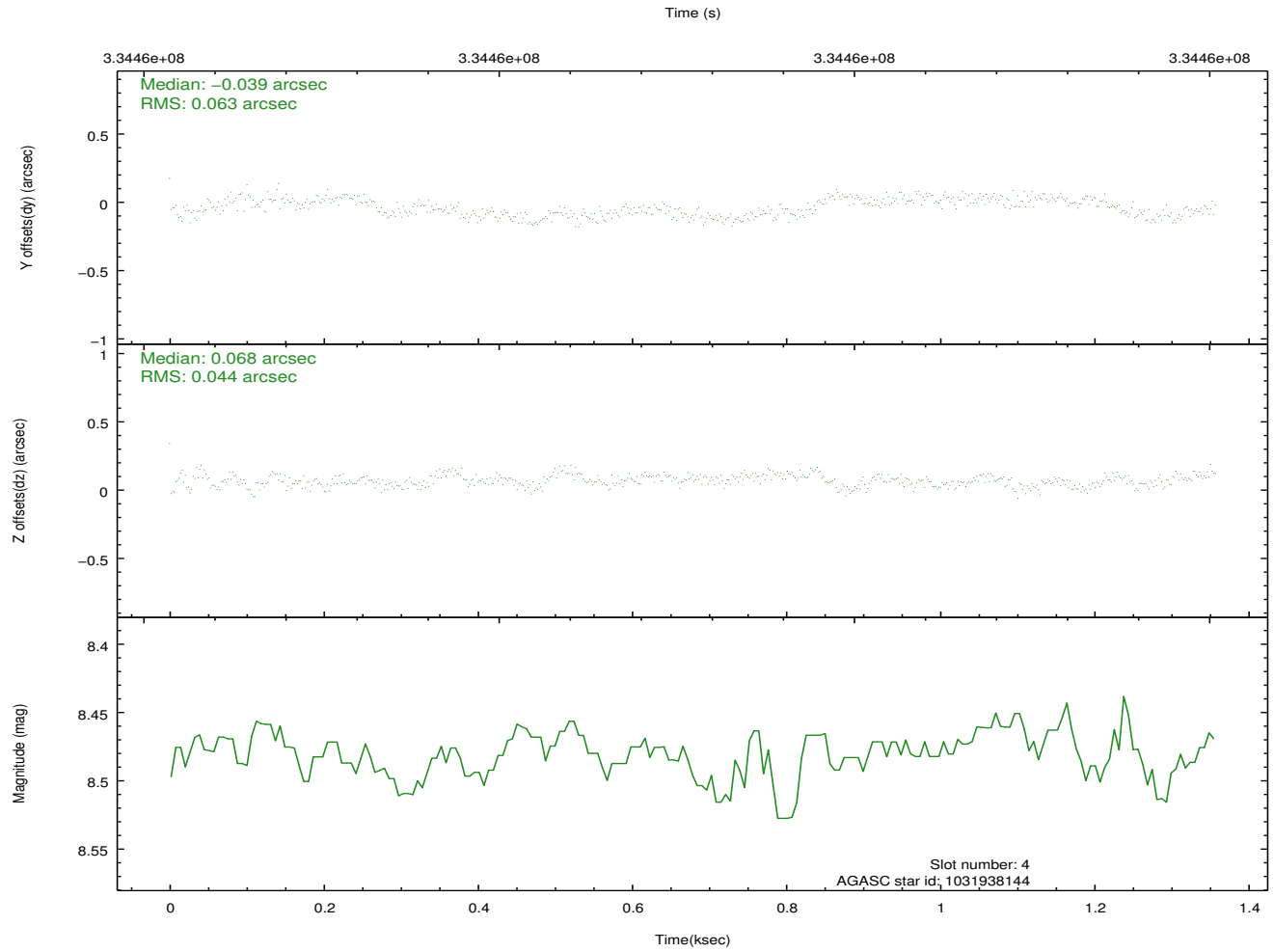
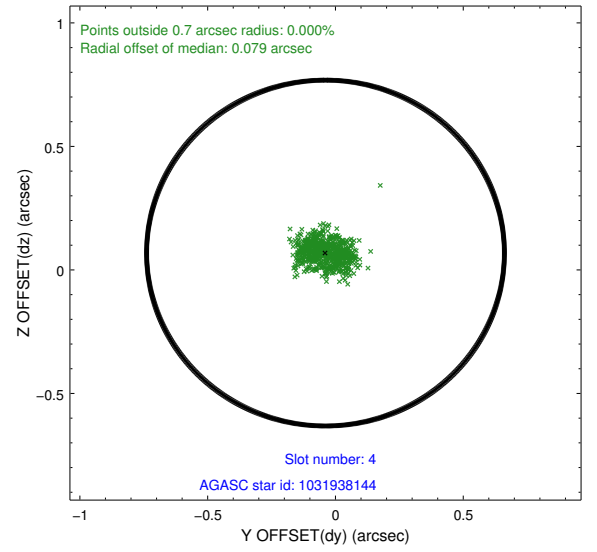
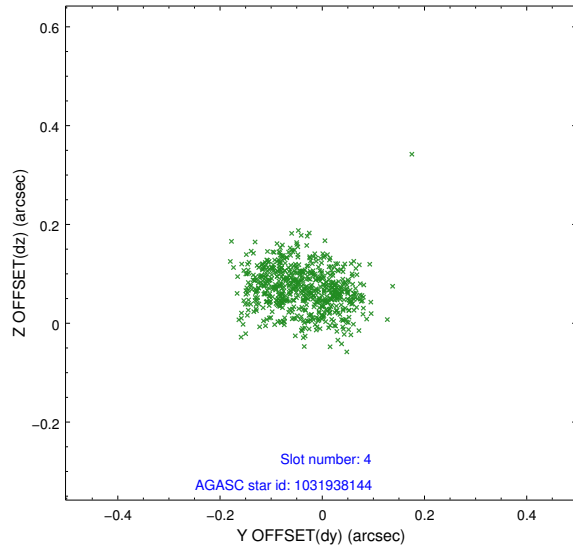
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	332	-0.020	-0.014	0.007	0.012	0.000000	0.000000	-766.09	-1734.93
1	FID	ACIS-S-4	7.02	332	0.110	0.014	0.006	0.011	0.000000	0.000000	2145.08	168.52
2	FID	ACIS-S-5	7.06	332	-0.120	0.009	0.007	0.012	0.000000	0.000000	-1812.77	167.74
3	GUIDE	1031802376	6.91	663	-0.310	-0.039	0.052	0.086	254.526844	-40.352616	-1974.05	-2245.76
4	GUIDE	1031938144	8.48	663	-0.039	0.068	0.082	0.121	255.693343	-40.912652	330.21	734.38
5	GUIDE	1032338512	8.42	663	0.230	-0.054	0.109	0.180	254.833160	-41.405214	1876.09	-1751.78
6	GUIDE	1032340744	7.92	662	0.123	-0.051	0.084	0.126	254.712738	-41.416040	1887.70	-2082.82
7	GUIDE	1031937520	8.18	662	0.002	0.086	0.072	0.111	256.333720	-41.104608	1204.65	2392.76

2.4 Star Slots

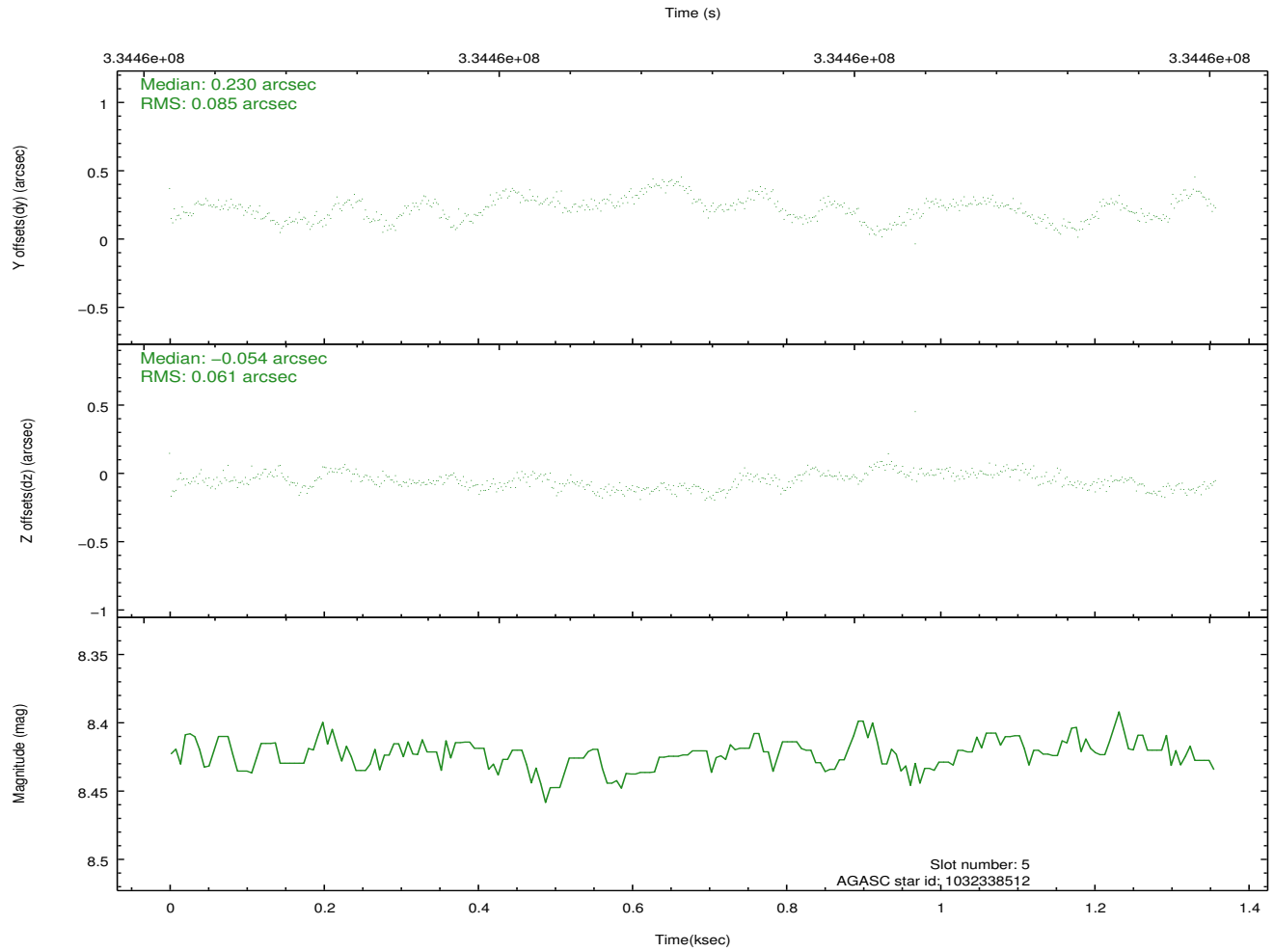
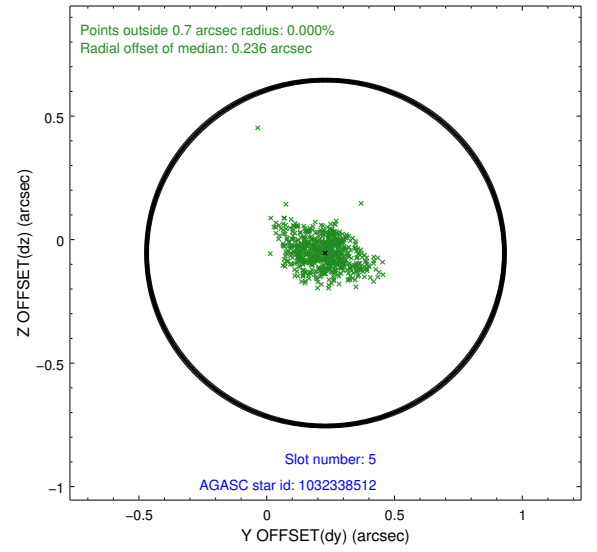
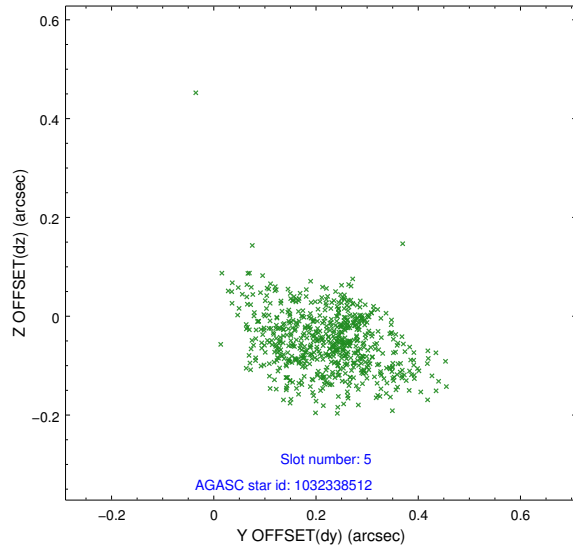
2.4.1 Slot 3



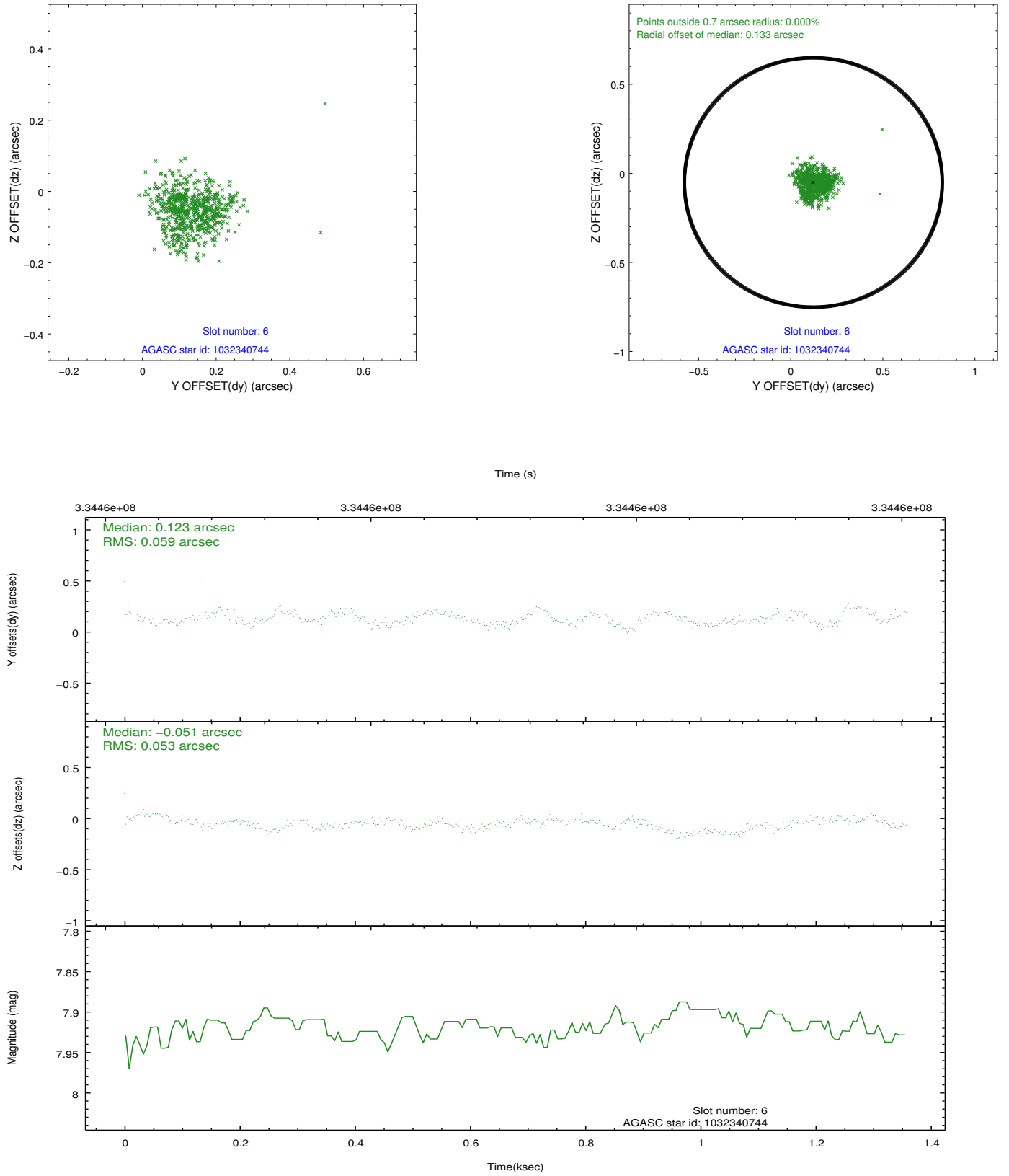
2.4.2 Slot 4



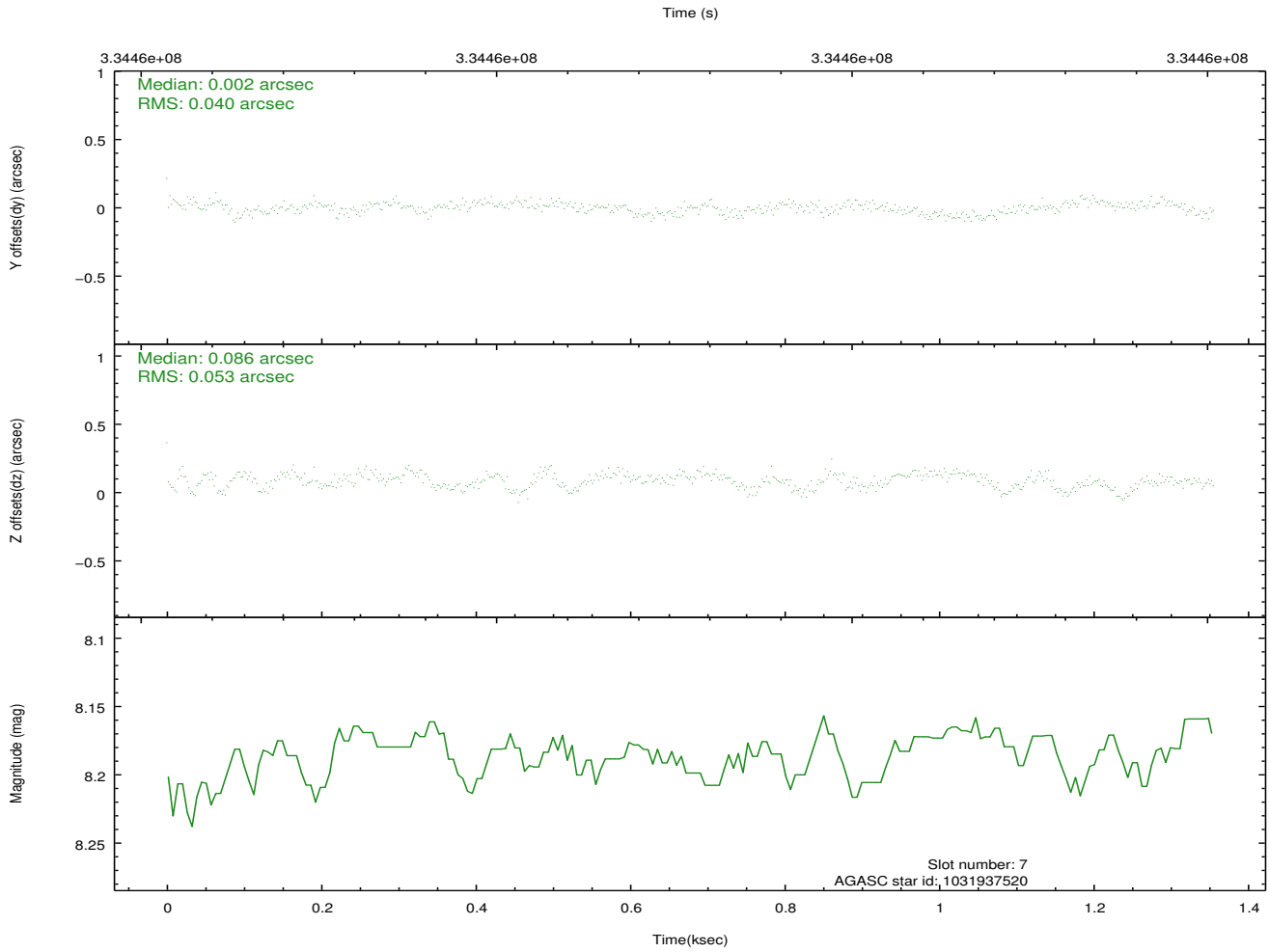
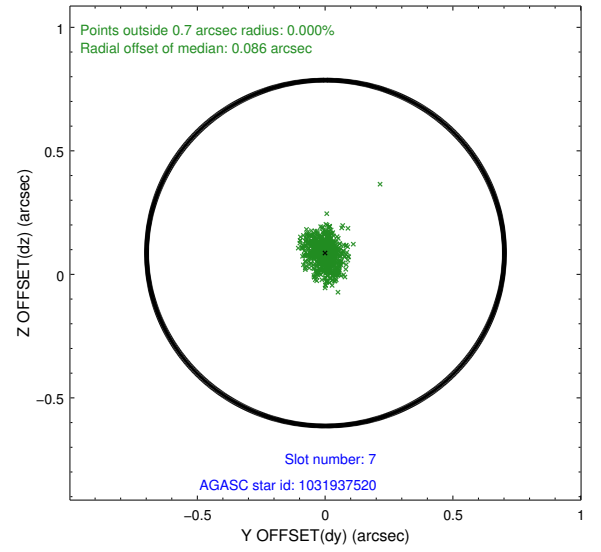
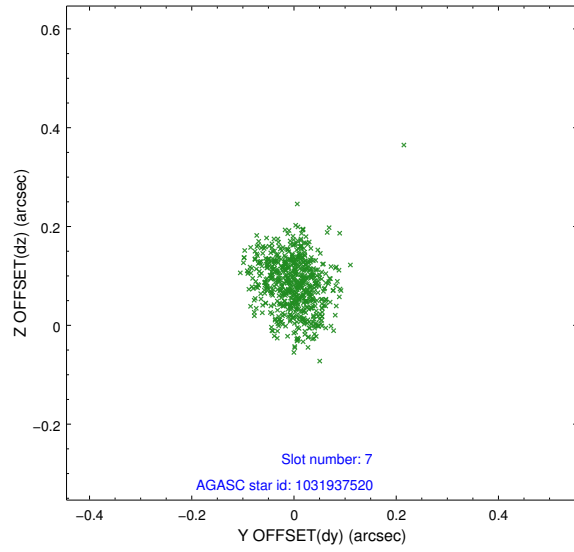
2.4.3 Slot 5



2.4.4 Slot 6

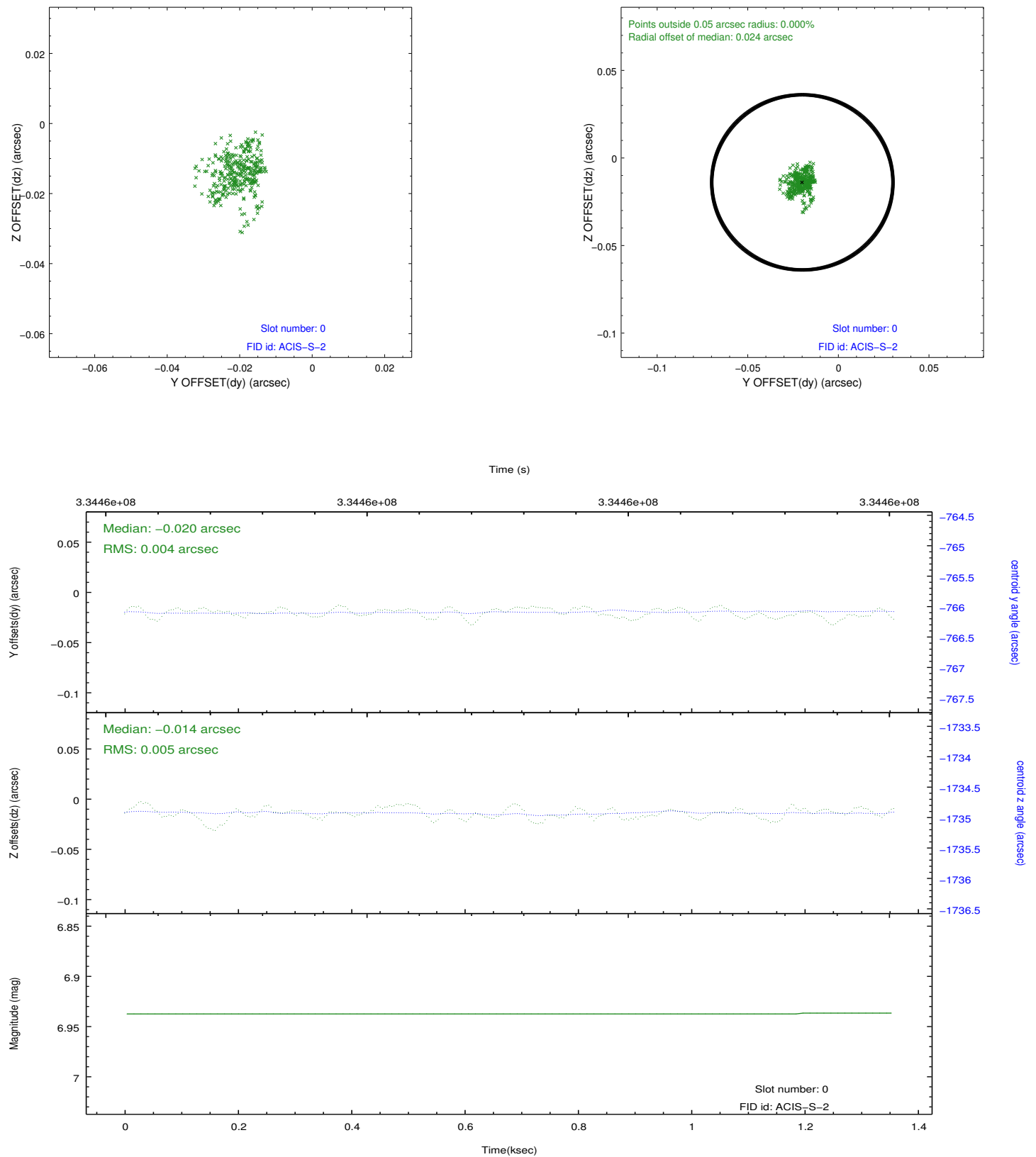


2.4.5 Slot 7

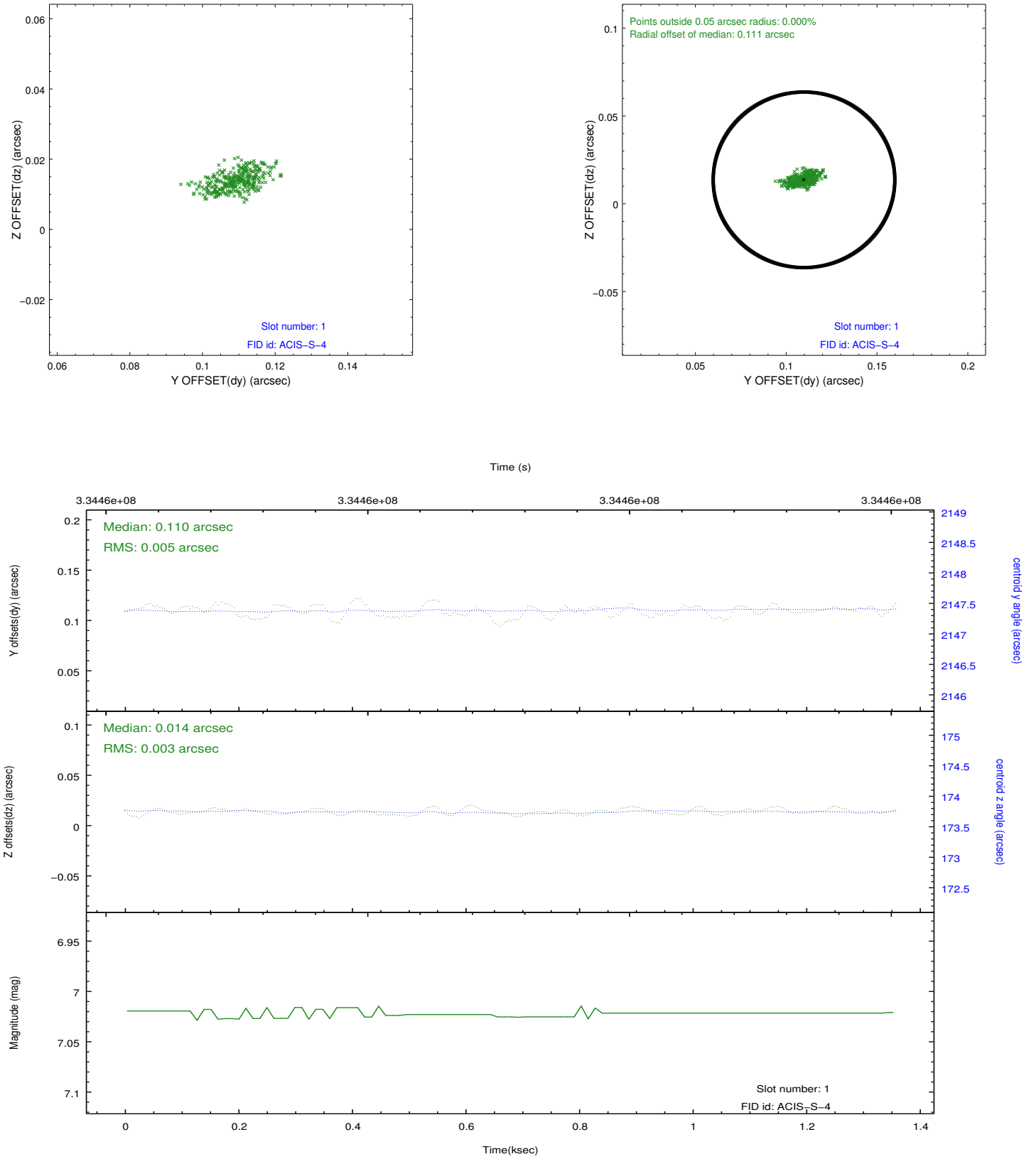


2.5 FID Slots

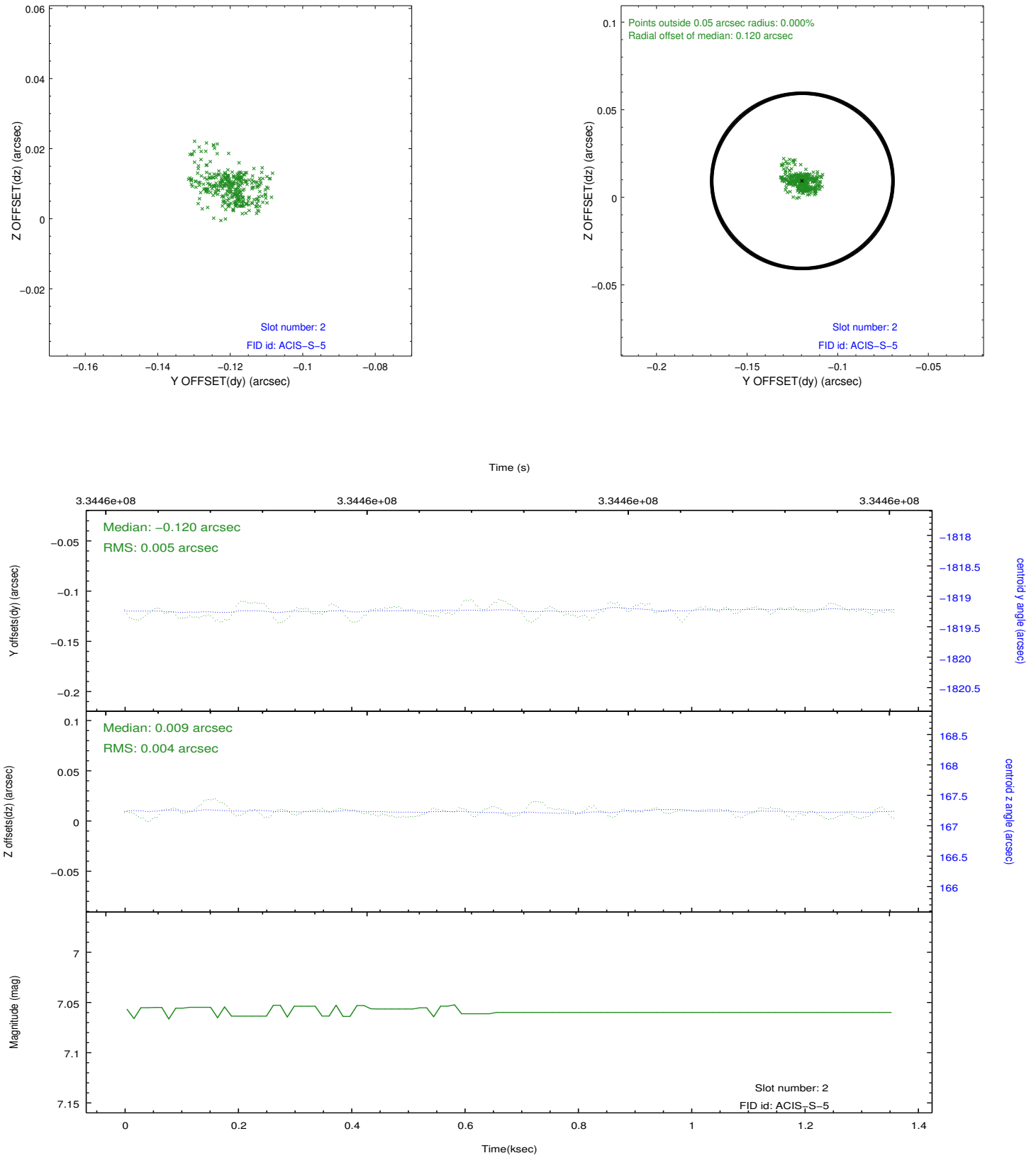
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.03039999

A.2 Comments