

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1531 - L2 Version 3
Chandra X-Ray Center

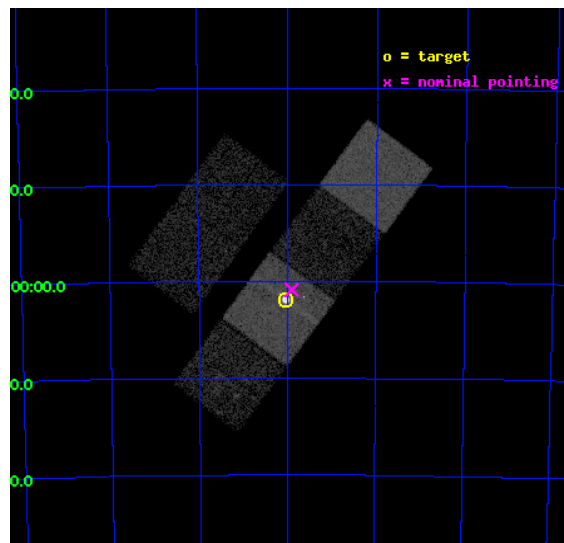
L2 Processing Date : Sep 17 2012

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1 Front

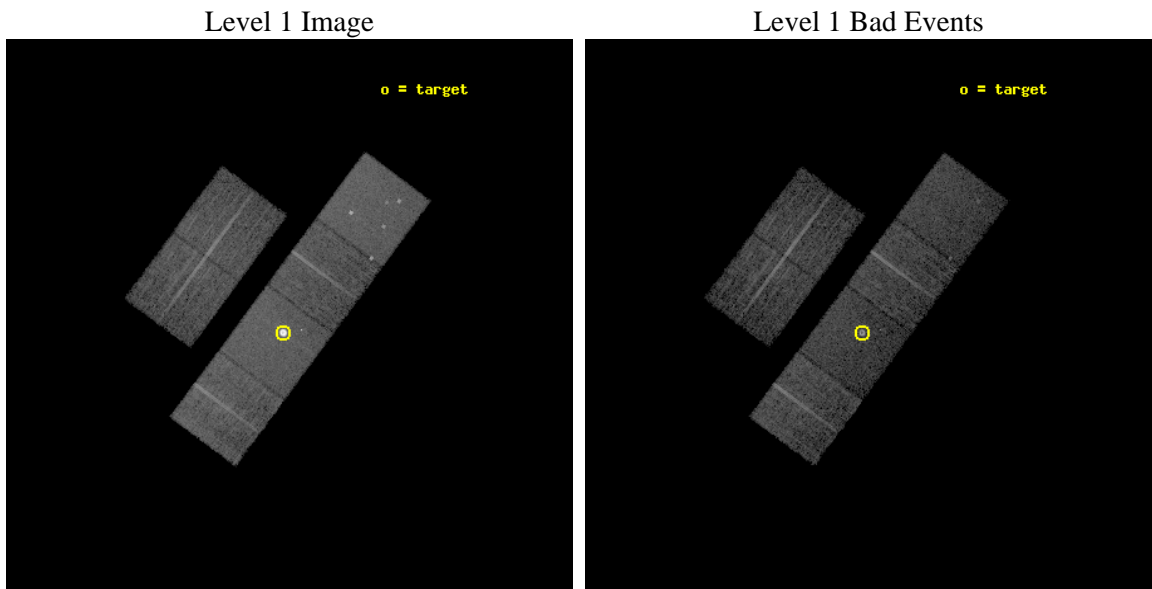
seq_num	590140	Sequence number
obs_id	1531	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S3, T=120, Offsets=-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.974344555459	Nominal RA [deg]
dec_nom	-72.014332371604	Nominal Dec [deg]
roll_nom	126.59770287628	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7506.7821741849	Sum of GTIs [s]
livetime	7411.7267782538	Livetime [s]
ontime2	7506.8232141882	Sum of GTIs [s]
ontime3	7506.6590541899	Sum of GTIs [s]
ontime5	7506.7411341816	Sum of GTIs [s]
ontime6	7506.7000941932	Sum of GTIs [s]
ontime7	7506.7821741849	Sum of GTIs [s]
ontime8	7503.3769442439	Sum of GTIs [s]
l2events	138497	Number of level 2 events



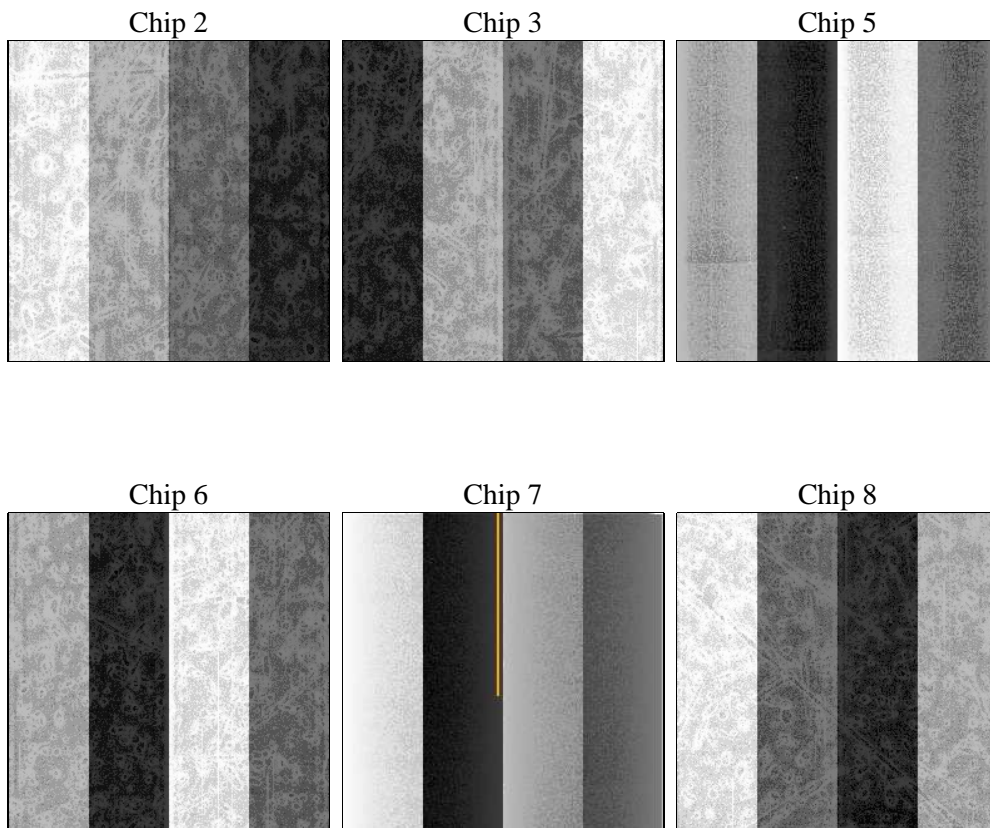
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7755.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7506.7821741849	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	7506.8232141882	Sum of GTIs [s]
date	2012-09-17T18:25:55	Date and time of file creation	ontime3	7506.6590541899	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7506.7411341816	Sum of GTIs [s]
			ontime6	7506.7000941932	Sum of GTIs [s]
			ontime7	7506.7821741849	Sum of GTIs [s]
			ontime8	7503.3769442439	Sum of GTIs [s]
			l1events	416189	Number of level 1 events

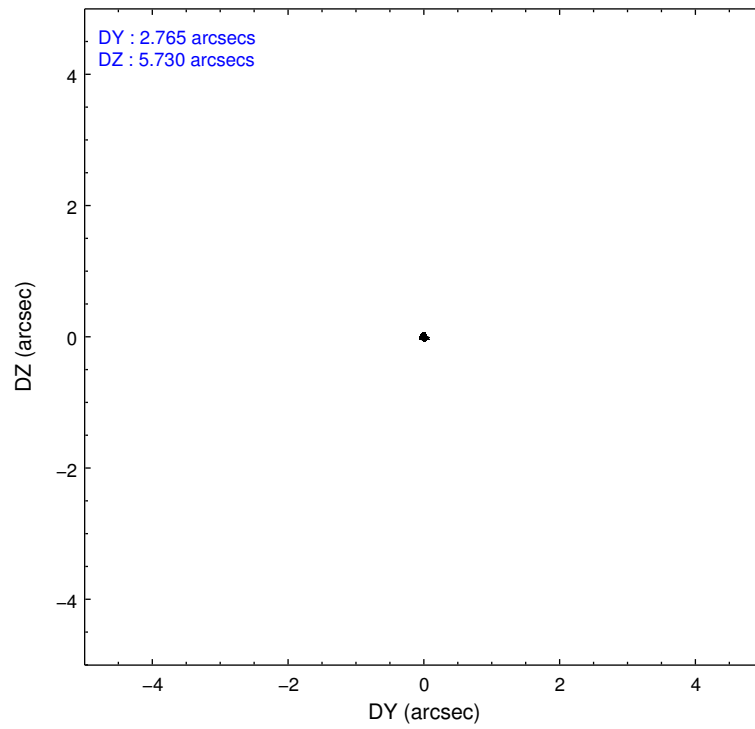
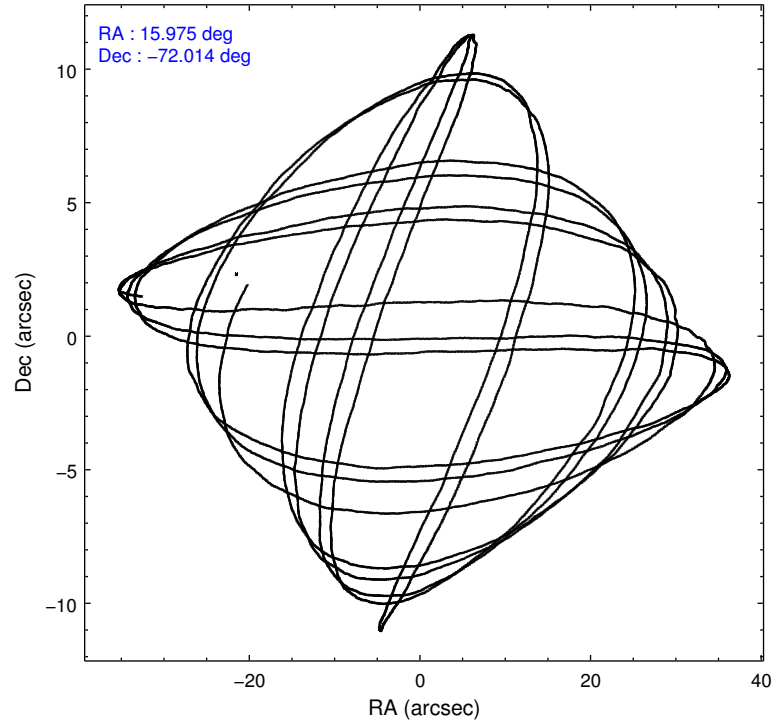
2.1.4 Events

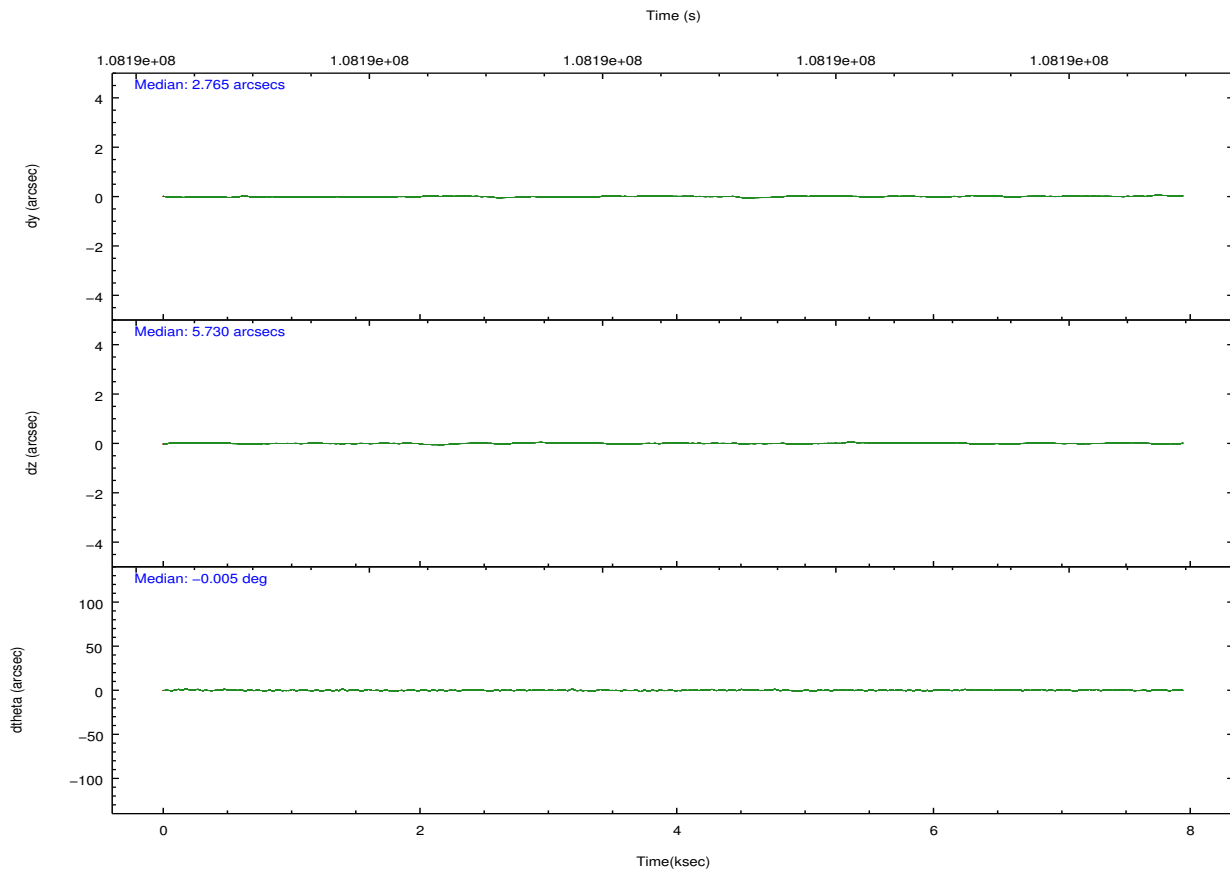
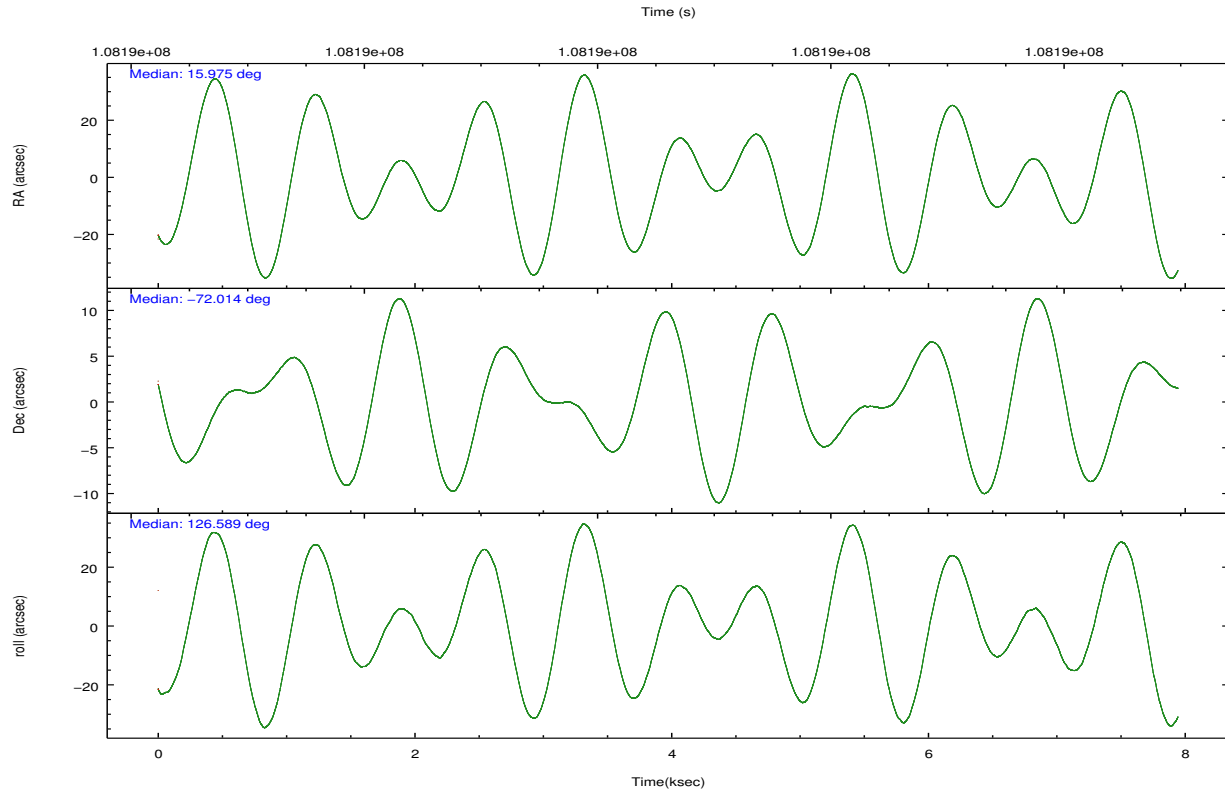
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50342	48227	71847	52039	127858	65876	grade 0 events	2385	2343	5425	2606	25446	4808
rejected events	44672	42828	37711	46042	38989	52120		4%	4%	7%	5%	19%	7%
rejected %	88%	88%	52%	88%	30%	79%	grade 1 events	26	15	145	28	580	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	1204	1080	9460	1198	21718	2683
								2%	2%	13%	2%	16%	4%
							grade 3 events	537	487	1459	553	9747	1481
								1%	1%	2%	1%	7%	2%
							grade 4 events	537	533	1371	583	9642	1409
								1%	1%	1%	1%	7%	2%
							grade 5 events	1651	1901	5352	2053	7242	2571
								3%	3%	7%	3%	5%	3%
							grade 6 events	1014	957	16441	1060	22389	3400
								2%	1%	22%	2%	17%	5%
							grade 7 events	42988	40911	32194	43958	31094	49468
								85%	84%	44%	84%	24%	75%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.055940	15.97434455545908	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.024859	-72.0143323716045	Alternating exposures requested	N	N
[deg] Pointing Roll	126.518685	126.5977028762767	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	107740864.184000	107740864.184000			
[s] Window stop time (MET)	110246464.184000	110246464.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	108186821.184000	108186444.47297			
Observation start date	2001-06-06T03:52:37	2001-06-06T03:47:24			
[s] Observation end time (MET)	108194576.184000	108194710.07329			
Observation end date	2001-06-06T06:01:52	2001-06-06T06:05:10			
Read mode	TIMED	TIMED			

2.3 Aspect



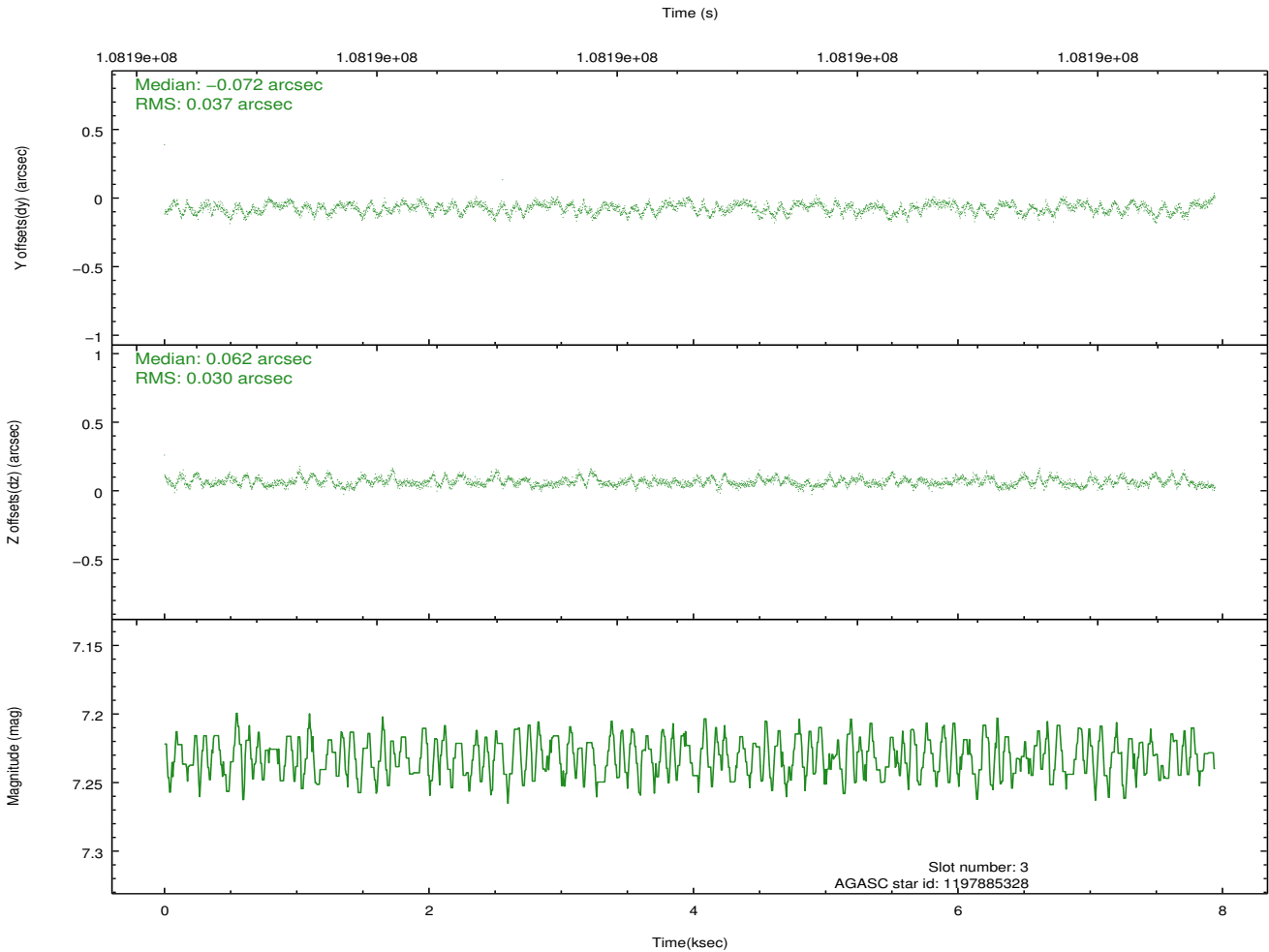
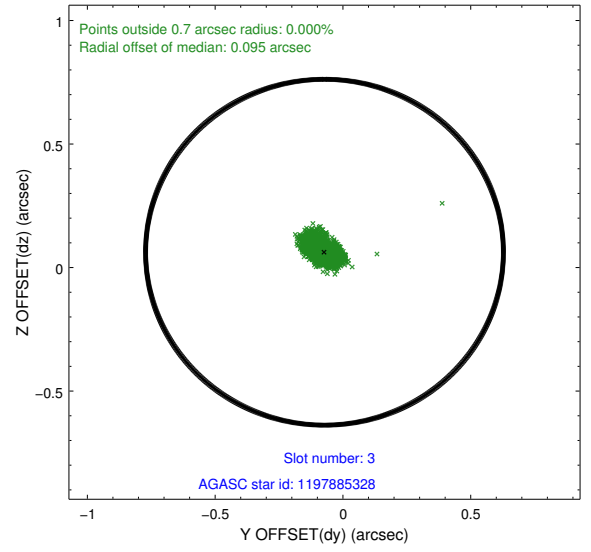
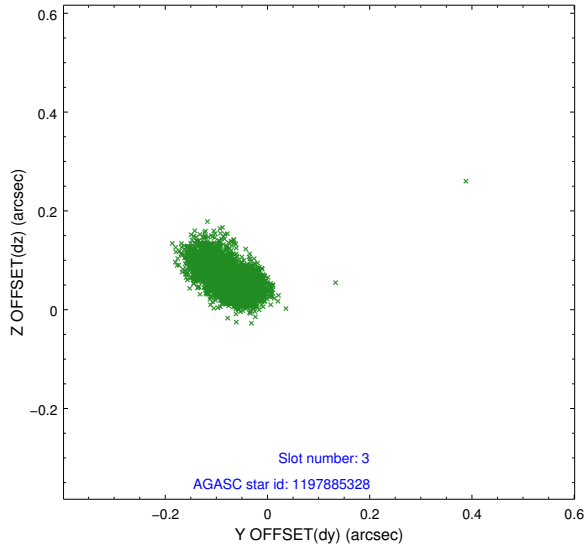


Slot Statistics

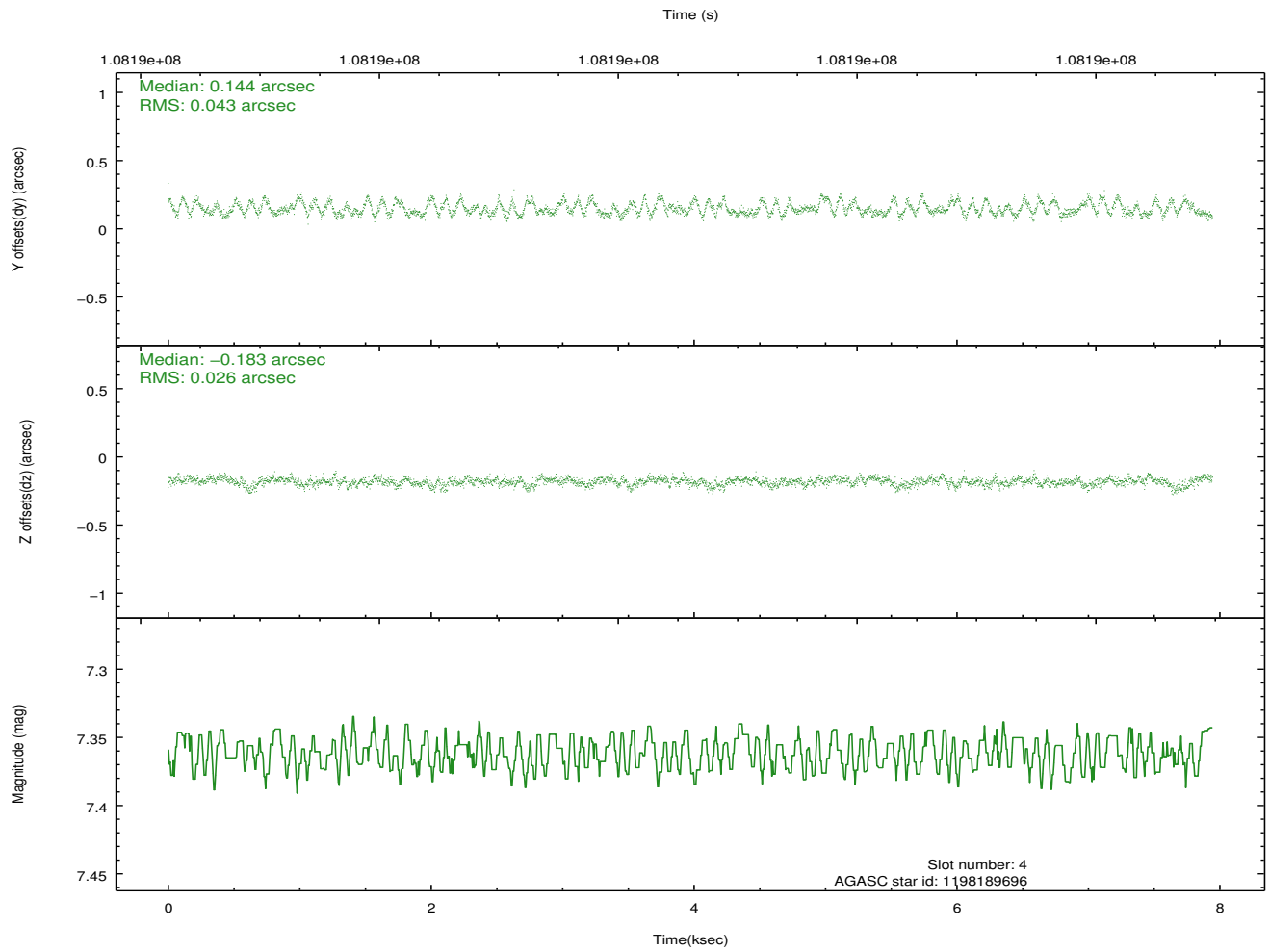
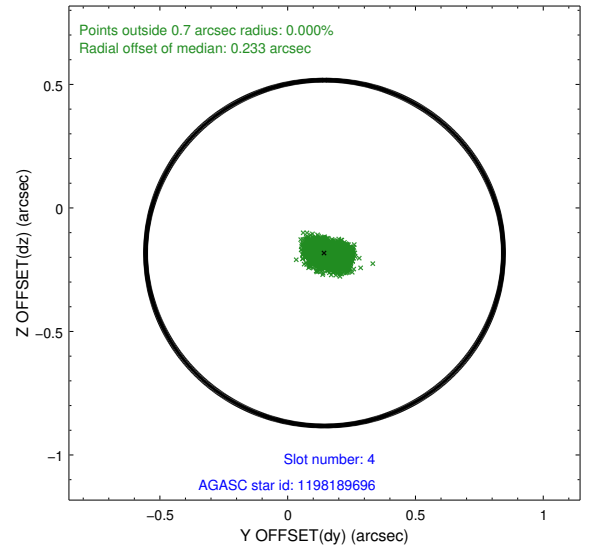
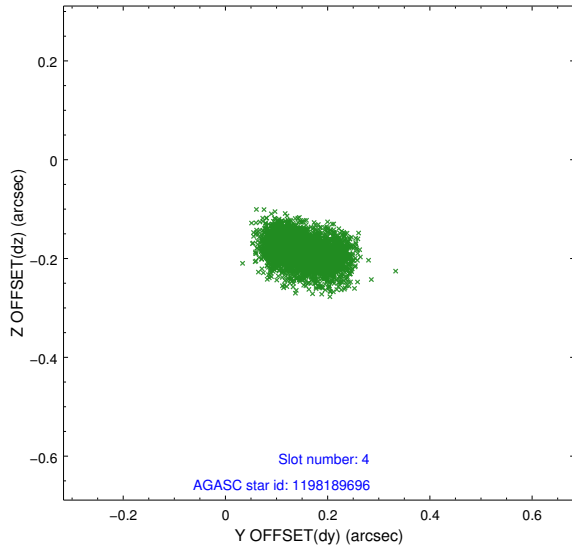
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1938	-0.001	-0.005	0.006	0.011	0.000000	0.000000	-755.36	-1726.83
1	FID	ACIS-S-4	7.20	1938	-0.035	-0.001	0.006	0.010	0.000000	0.000000	2157.52	180.99
2	FID	ACIS-S-6	7.35	1938	0.008	0.012	0.008	0.013	0.000000	0.000000	407.49	819.17
3	GUIDE	1197885328	7.23	3875	-0.072	0.062	0.049	0.082	16.283090	-71.733943	689.53	-828.92
4	GUIDE	1198189696	7.36	3875	0.144	-0.183	0.054	0.090	15.223750	-72.697522	-1420.21	2160.19
5	GUIDE	1197750936	7.57	3875	-0.143	0.081	0.061	0.094	15.387940	-71.549550	1824.91	-403.16
6	GUIDE	1197884536	8.50	3875	0.006	0.071	0.055	0.091	17.160729	-71.835289	-197.04	-1395.84
7	GUIDE	1197884712	8.30	3874	0.064	-0.030	0.049	0.080	16.087398	-72.252690	-679.03	459.84

2.4 Star Slots

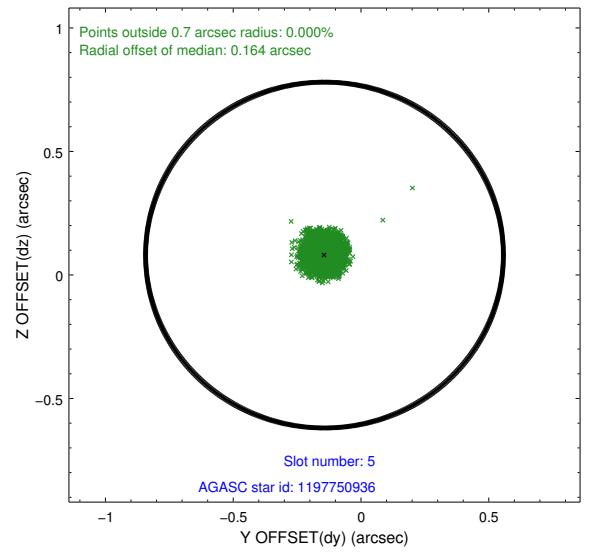
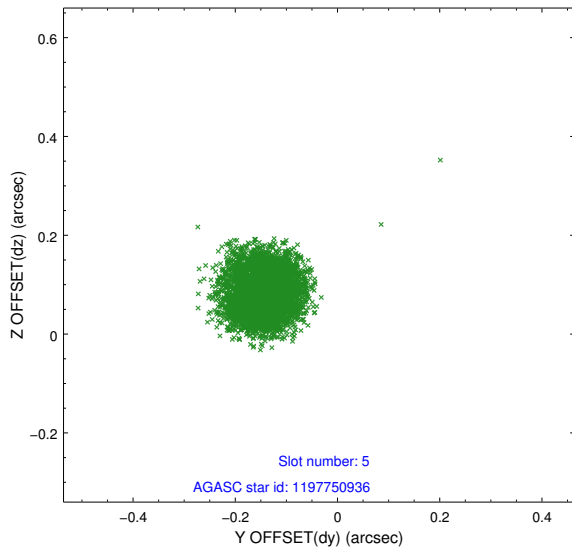
2.4.1 Slot 3



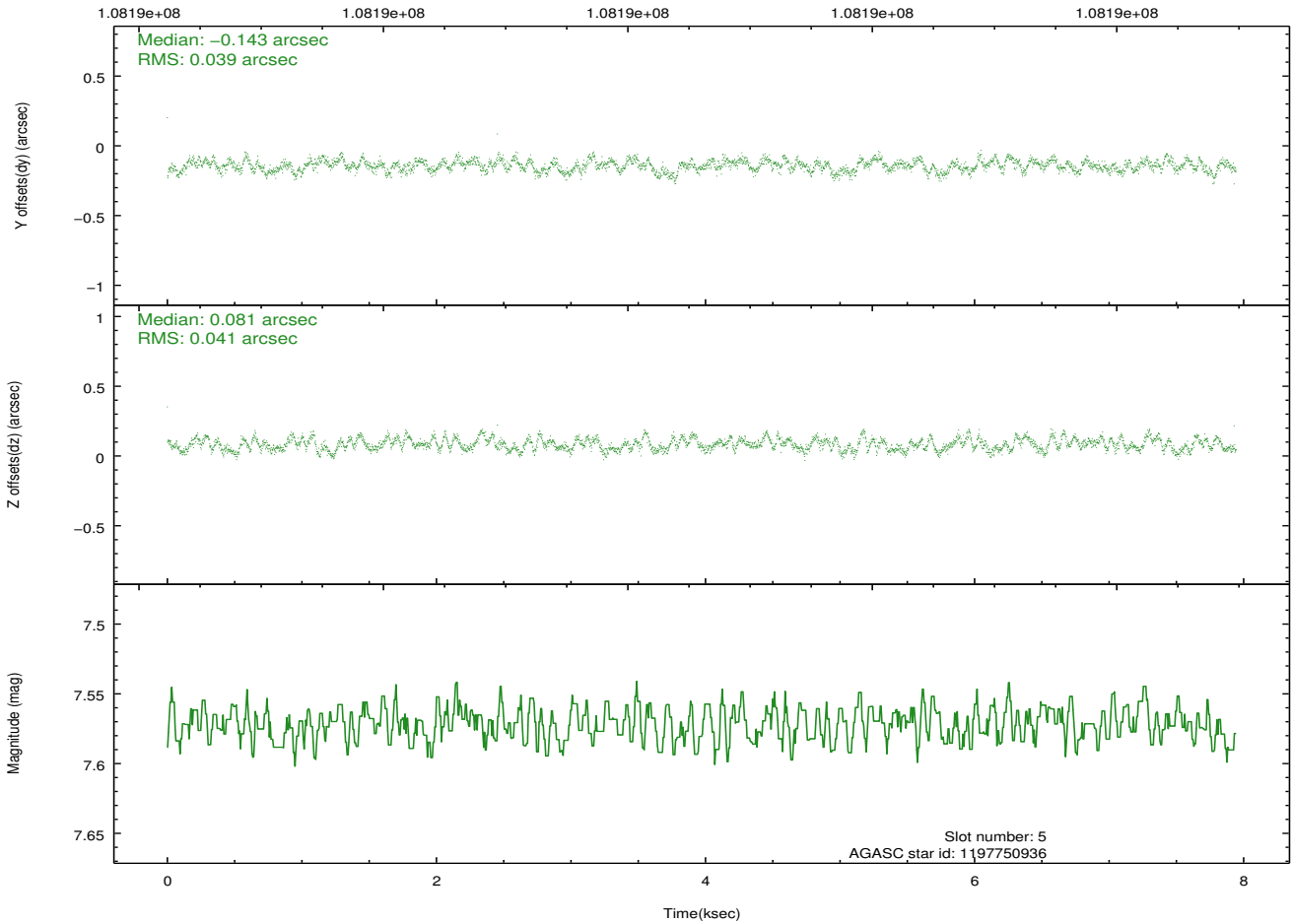
2.4.2 Slot 4



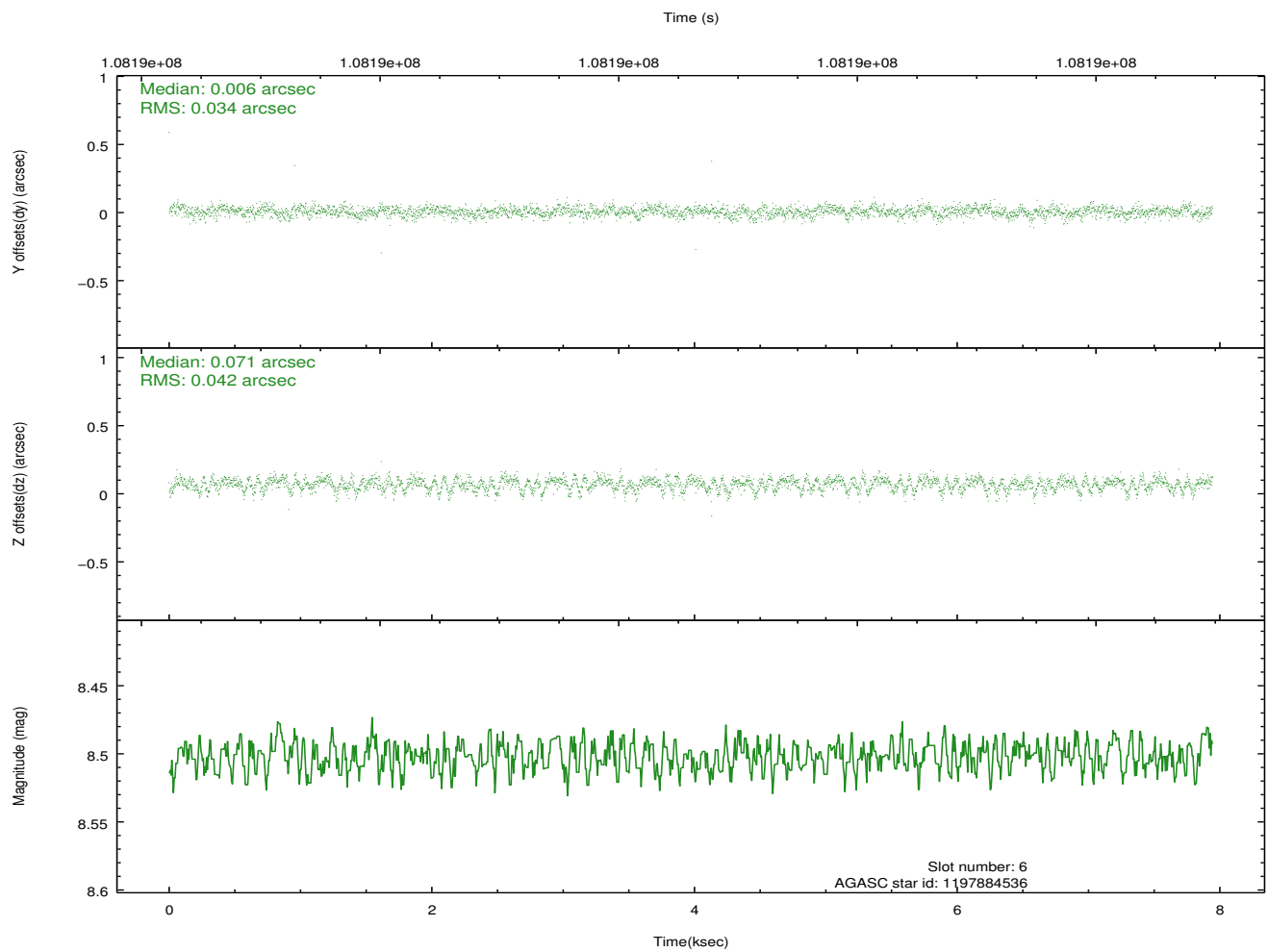
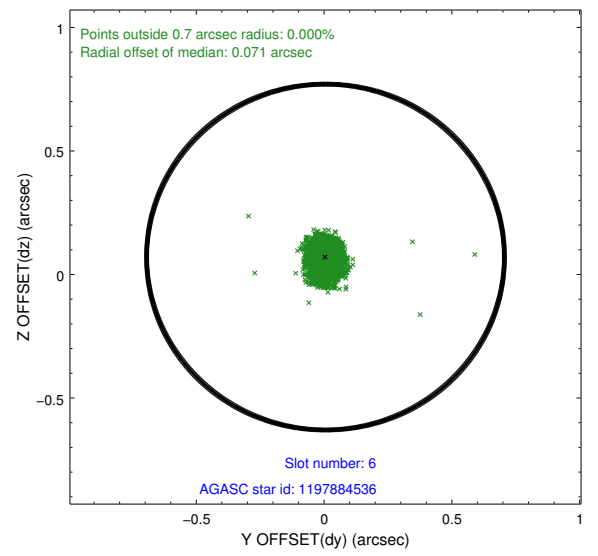
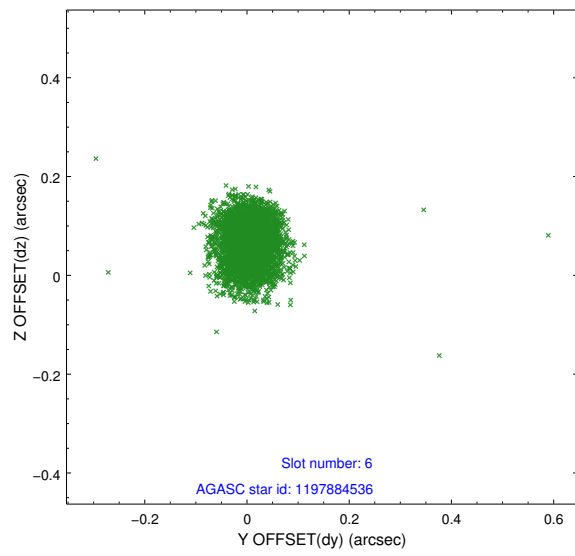
2.4.3 Slot 5



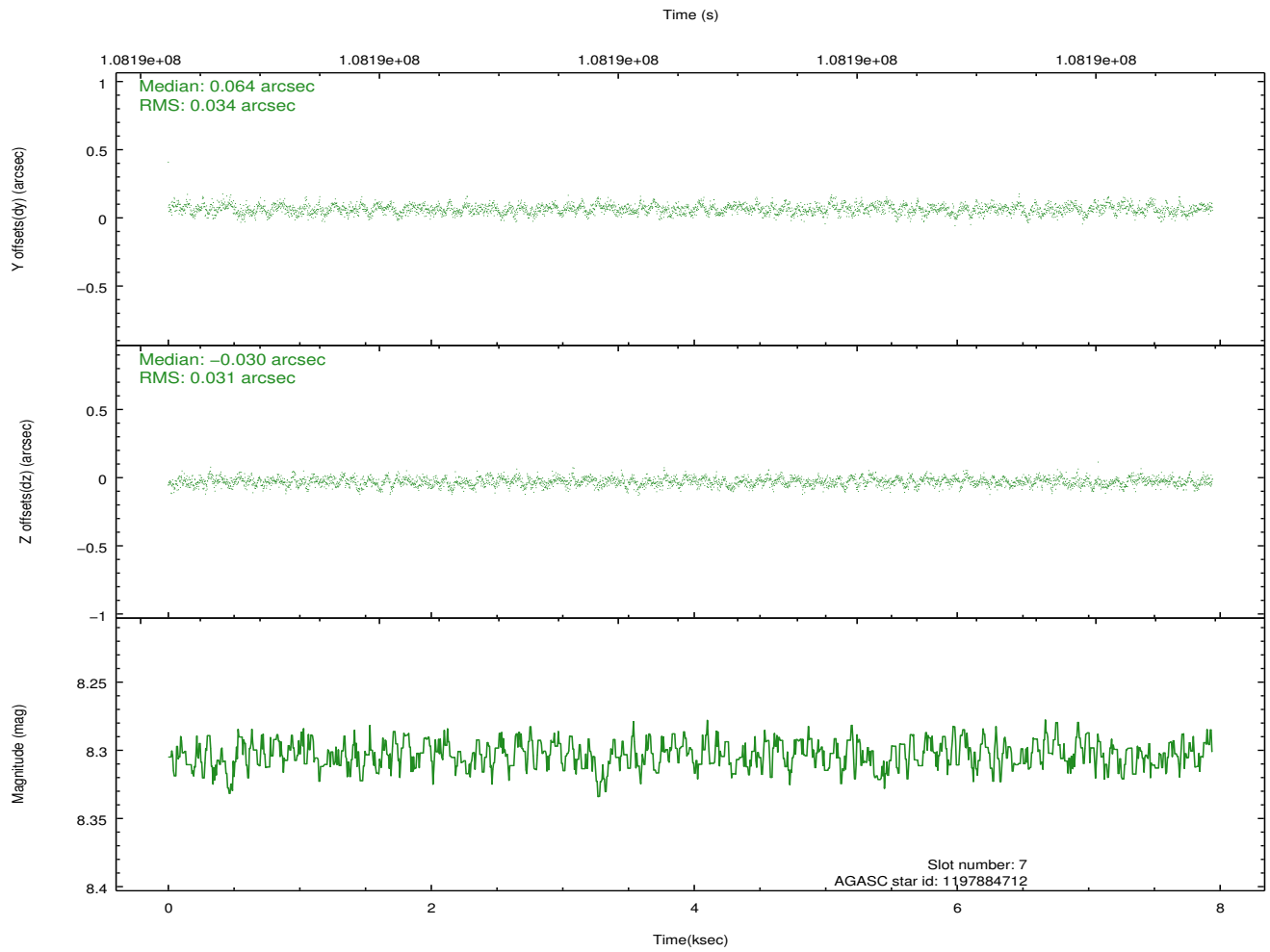
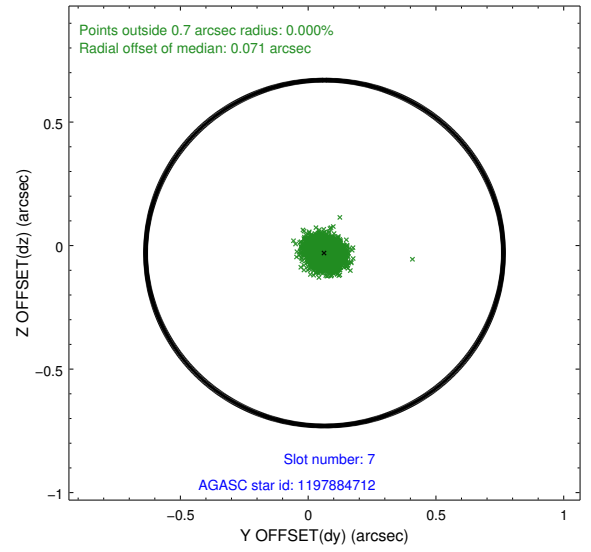
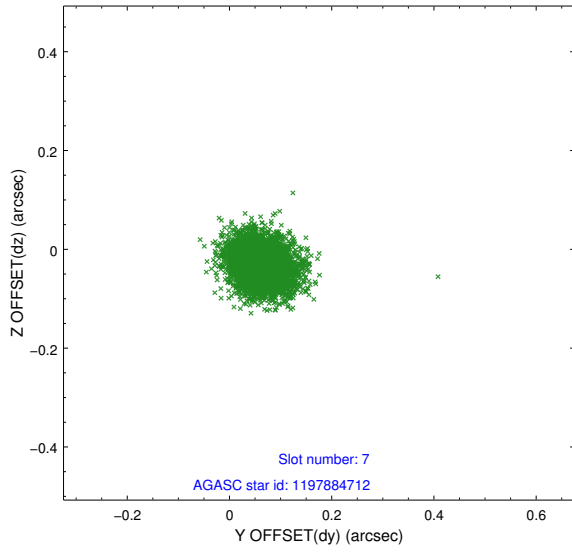
Time (s)



2.4.4 Slot 6

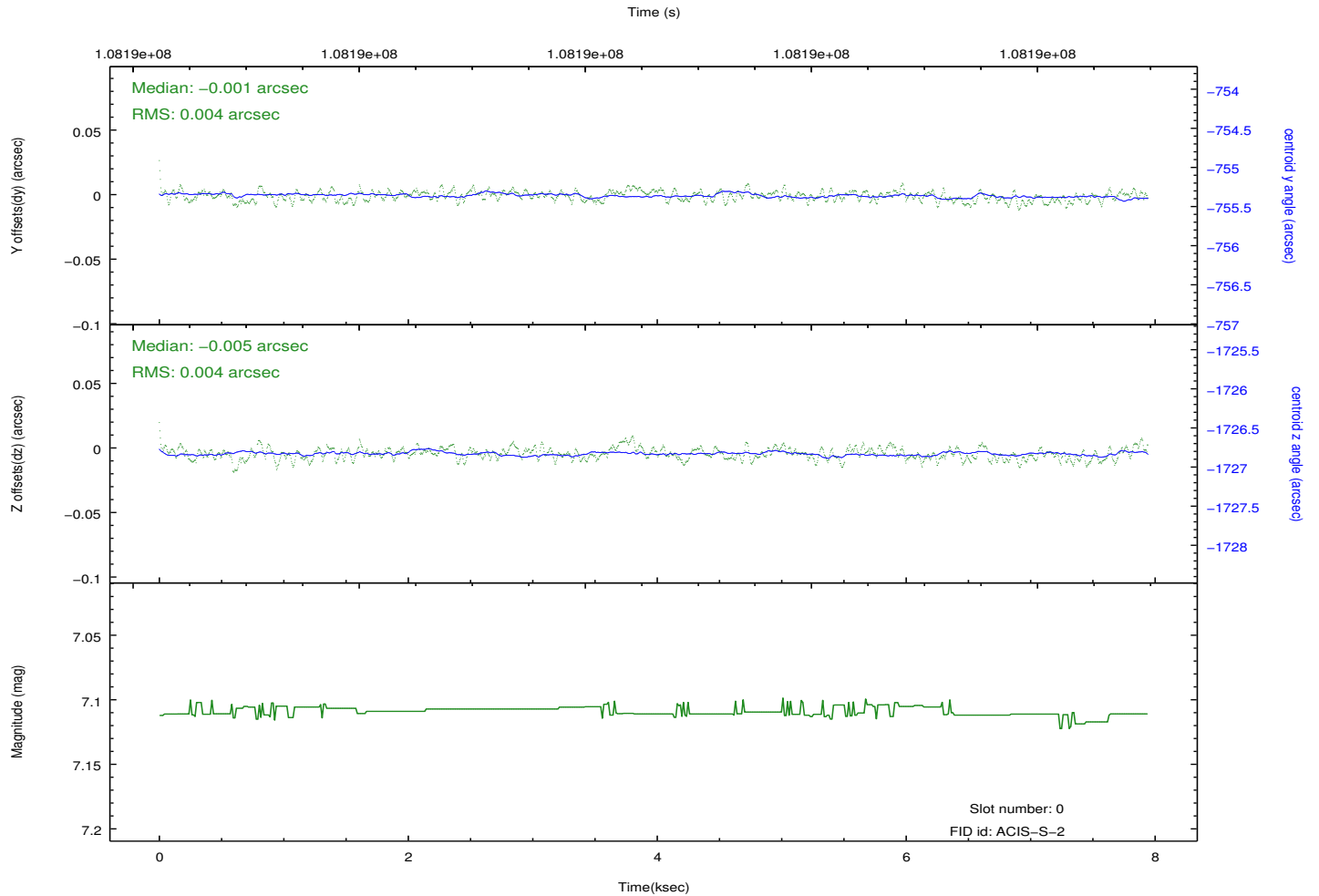
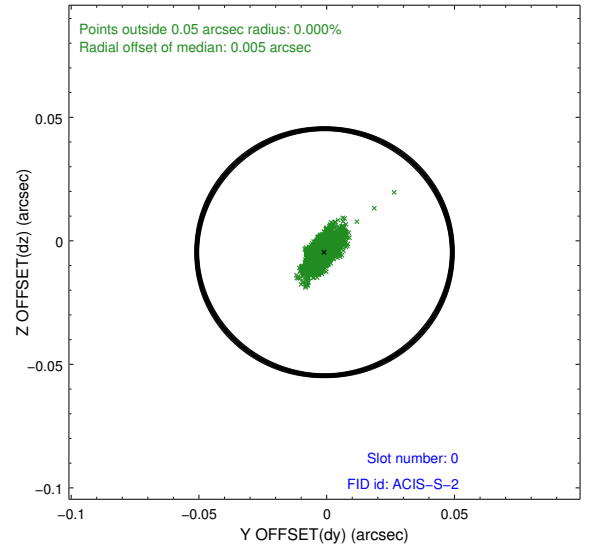
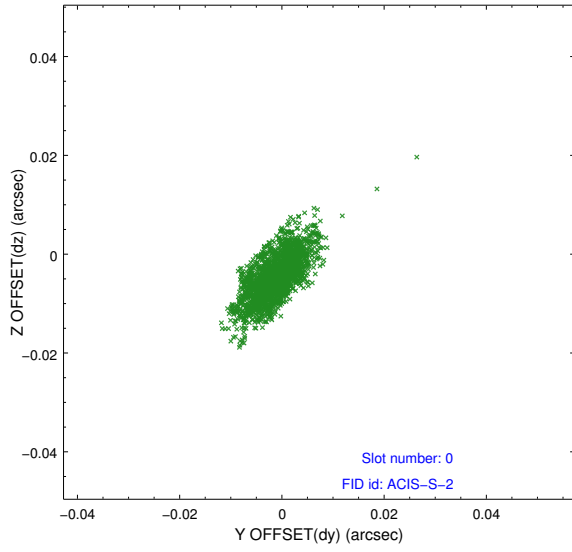


2.4.5 Slot 7

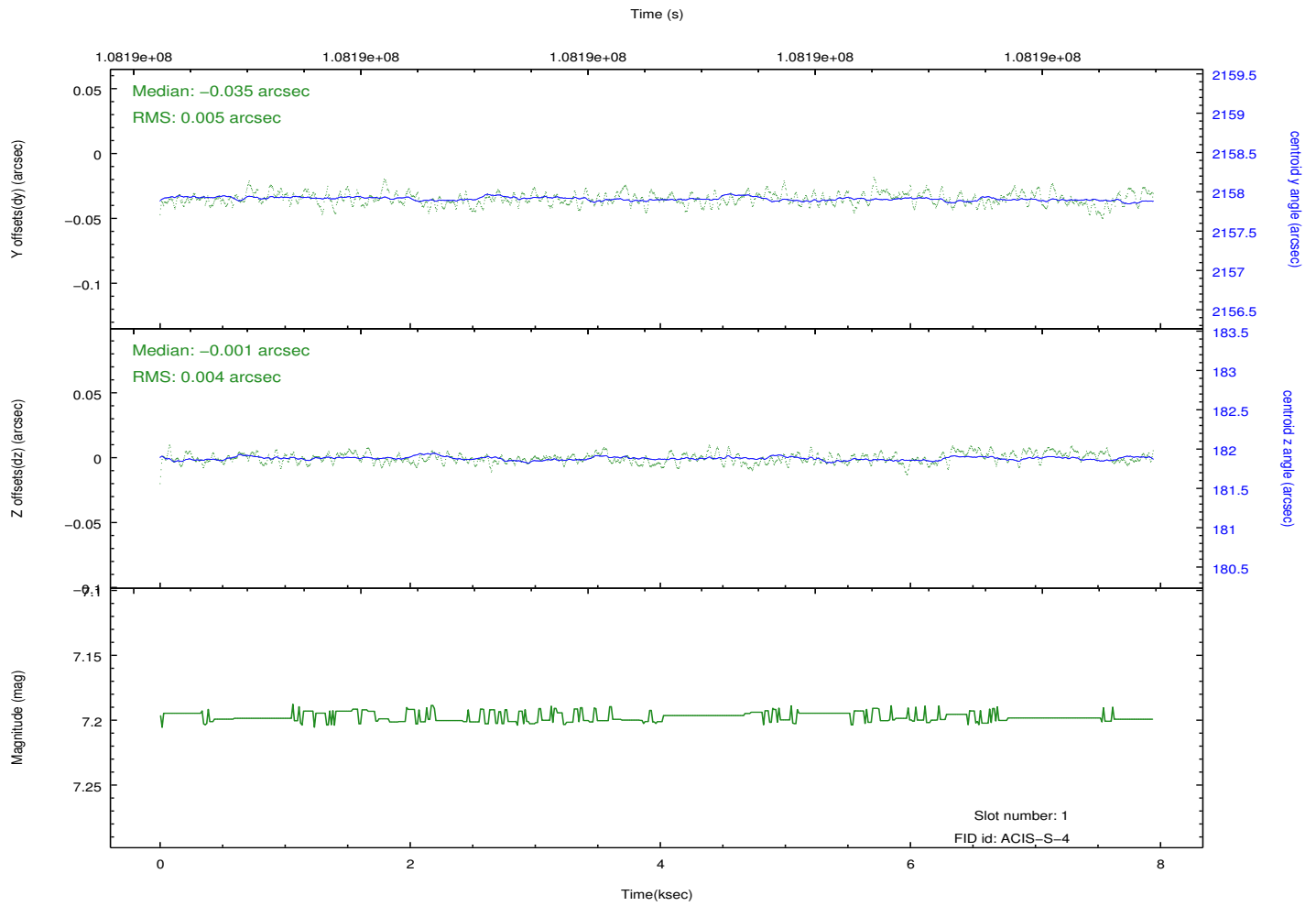
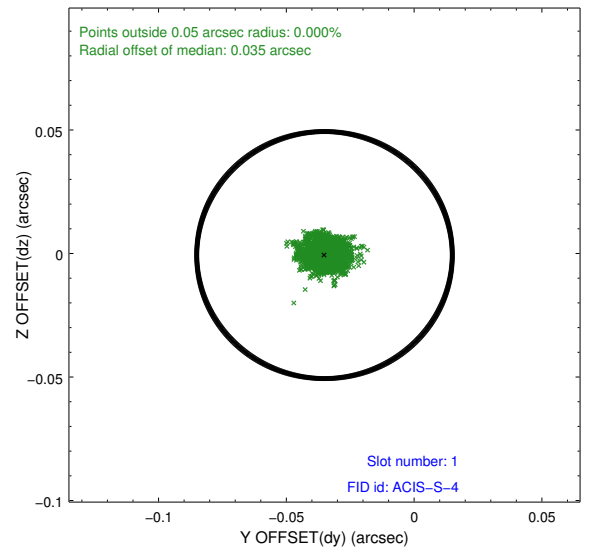
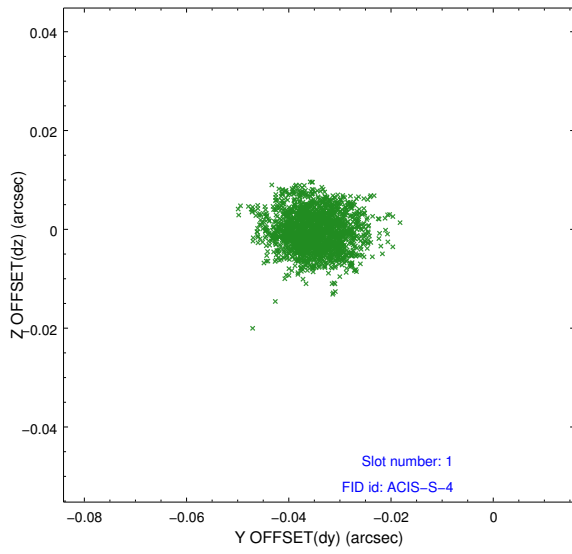


2.5 FID Slots

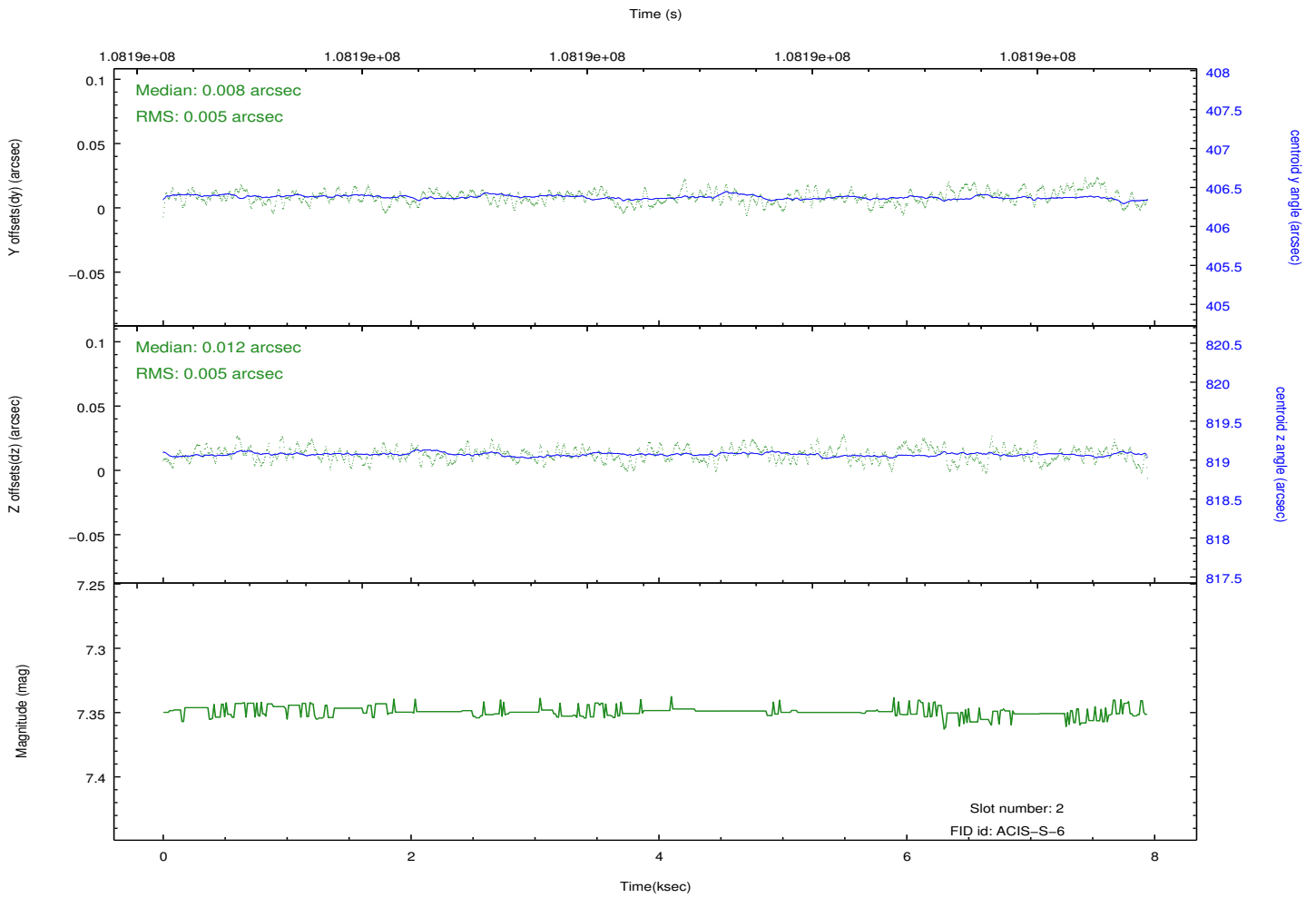
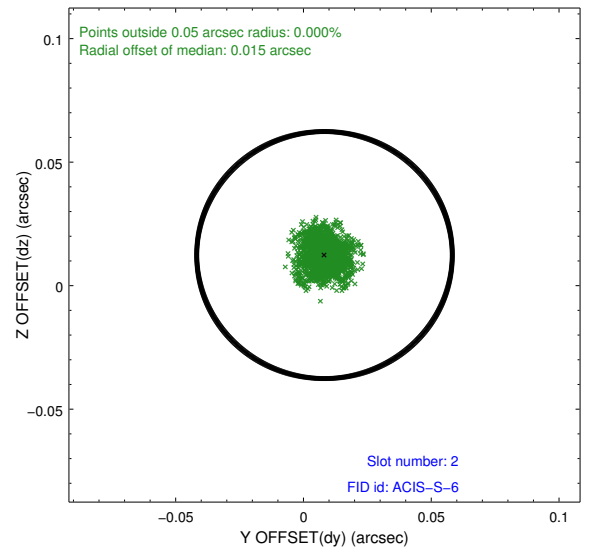
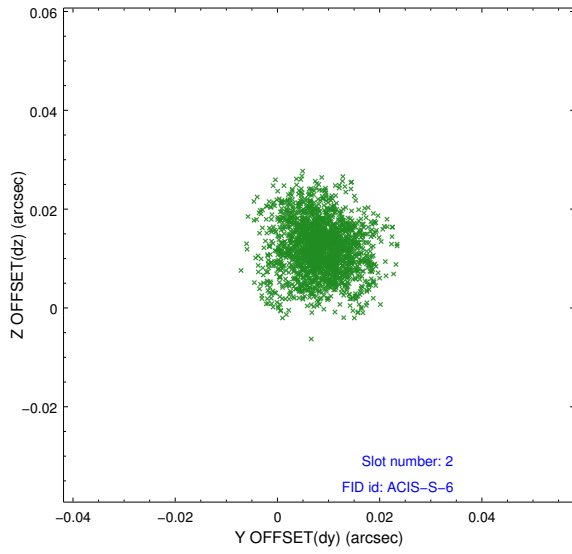
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5

A.2 Comments

Window constraint OK.