

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1539 - L2 Version 3
Chandra X-Ray Center

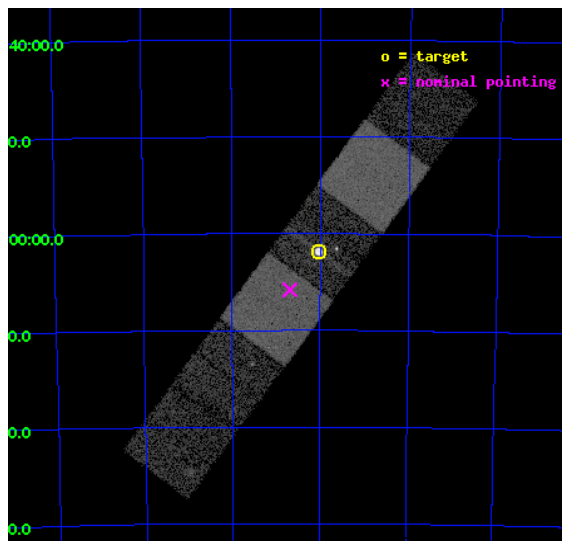
L2 Processing Date : Sep 17 2012

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1 Front

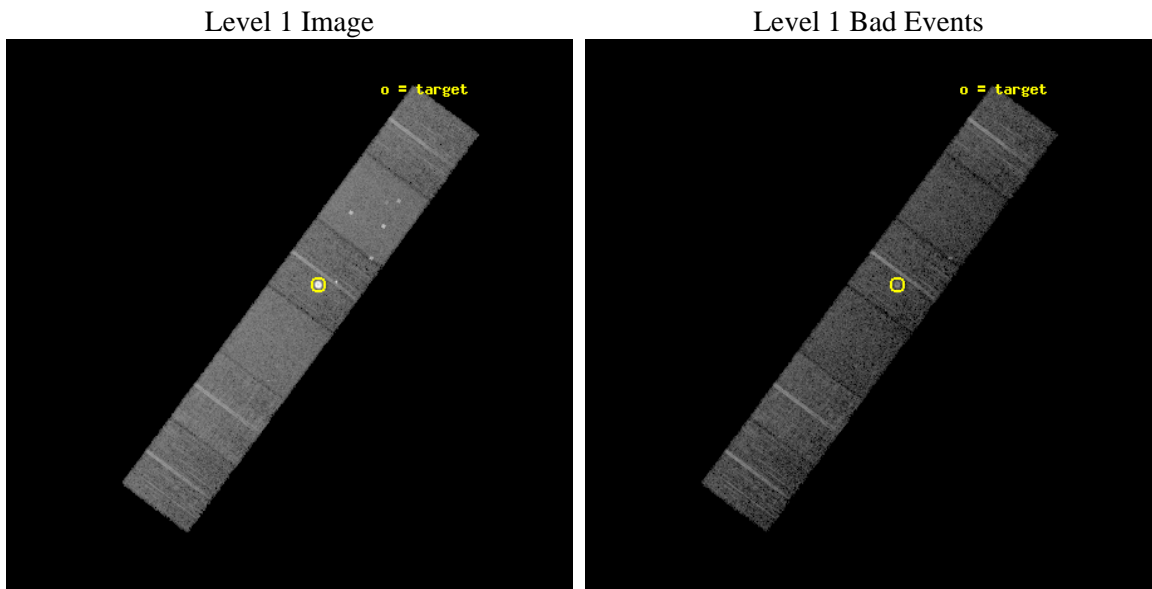
seq_num	590148	Sequence number
obs_id	1539	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S2, T=120, Offsets=5,0,0]	Source name
dtcycle	0	
cycle	P	events from which 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	16.171463104712	Nominal RA [deg]
dec_nom	-72.096917991543	Nominal Dec [deg]
roll_nom	126.48258514631	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7510.1713429093	Sum of GTIs [s]
livetime	7415.0730312831	Livetime [s]
ontime4	7510.2944629043	Sum of GTIs [s]
ontime5	7510.2123828977	Sum of GTIs [s]
ontime6	7510.1713429093	Sum of GTIs [s]
ontime7	7510.253422901	Sum of GTIs [s]
ontime8	7510.1301733106	Sum of GTIs [s]
ontime9	7510.0892629027	Sum of GTIs [s]
l2events	108567	Number of level 2 events



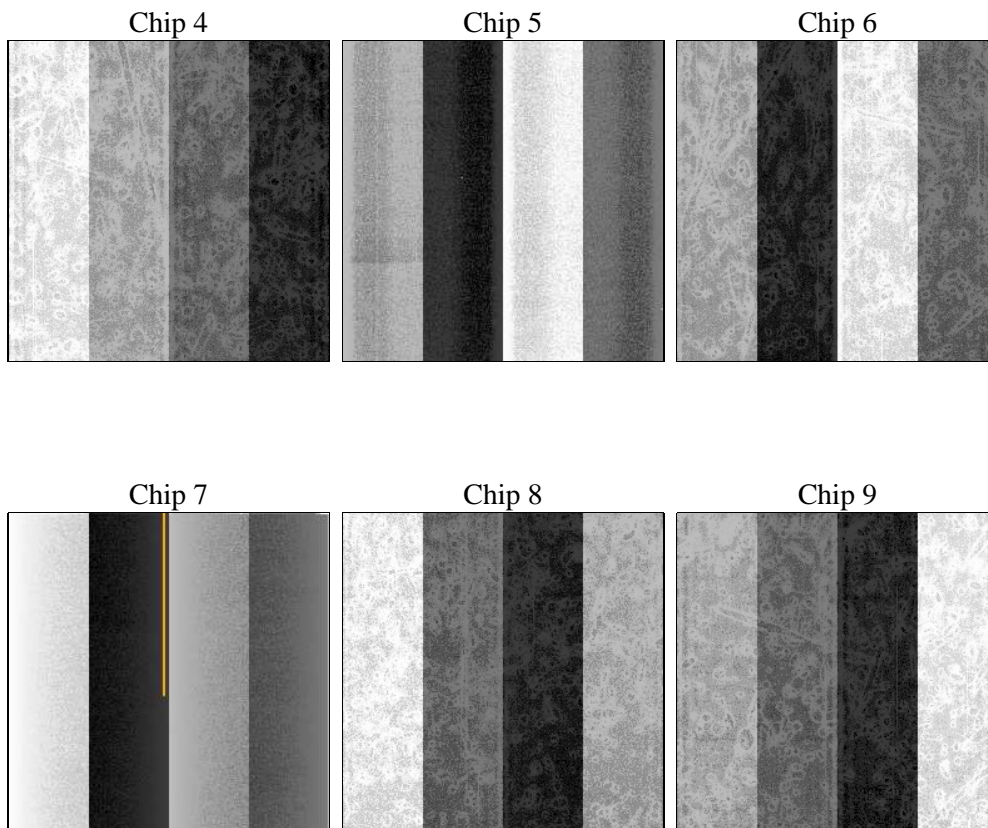
2 OBI

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	7510.1713429093	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	7510.2944629043	Sum of GTIs [s]
date	2012-09-17T18:05:25	Date and time of file creation	ontime5	7510.2123828977	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7510.1713429093	Sum of GTIs [s]
			ontime7	7510.253422901	Sum of GTIs [s]
			ontime8	7510.1301733106	Sum of GTIs [s]
			ontime9	7510.0892629027	Sum of GTIs [s]
			l1events	391564	Number of level 1 events

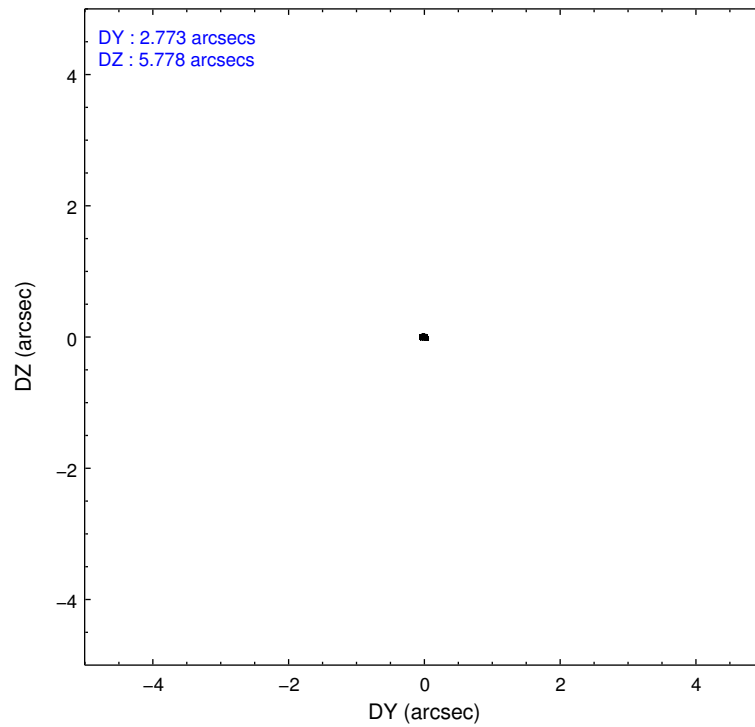
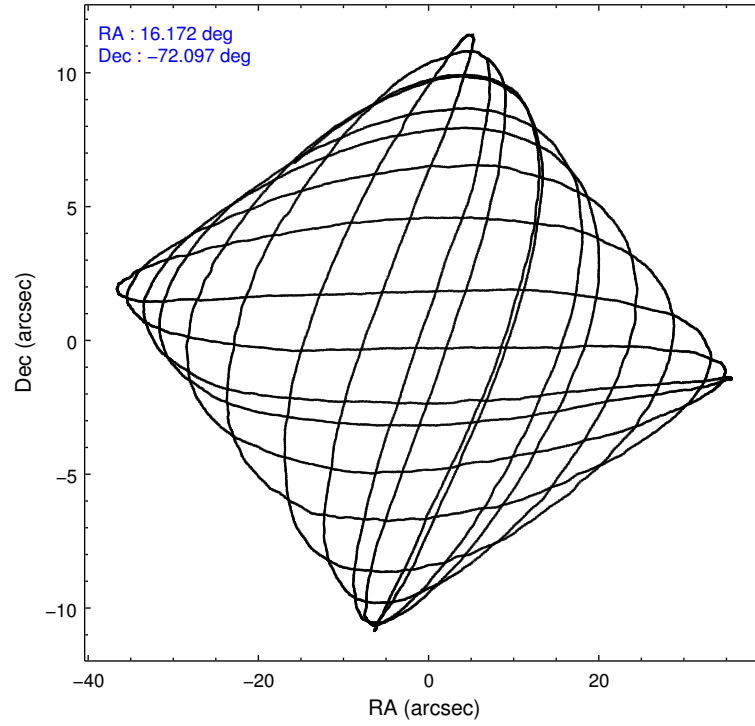
2.1.4 Events

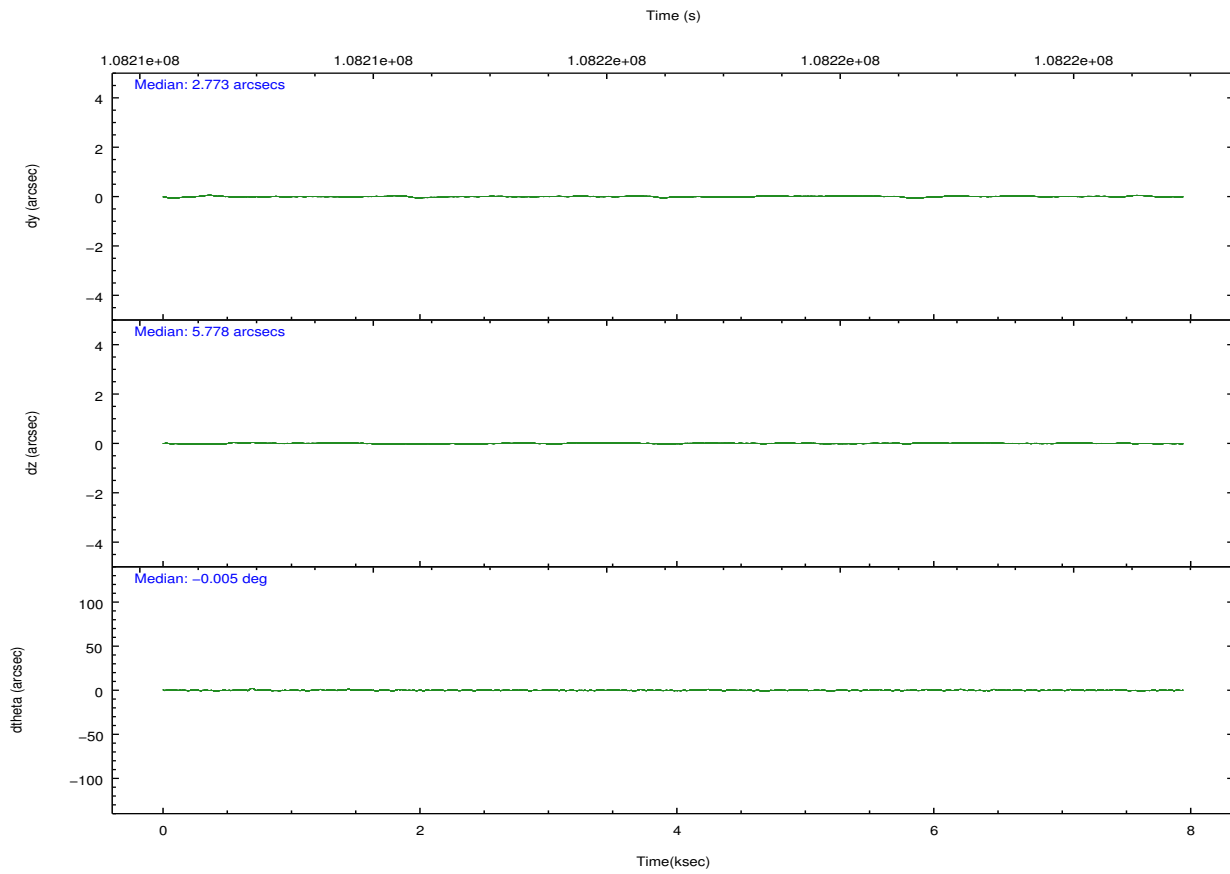
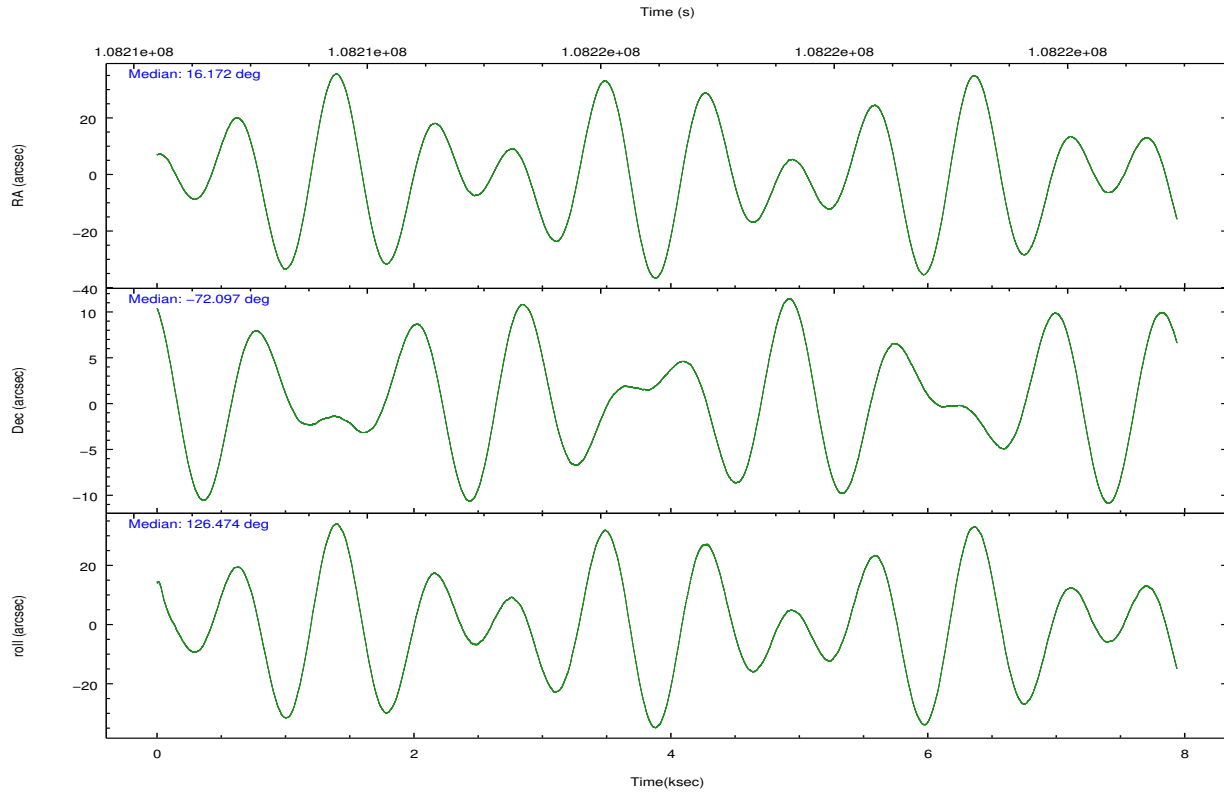
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	55058	71400	82793	64160	68476	49677	grade 0 events	2436	6354	31508	2946	4262	2455
rejected events	49154	36981	44084	36567	55108	43738		4%	8%	38%	4%	6%	4%
rejected %	89%	51%	53%	56%	80%	88%	grade 1 events	36	193	299	49	58	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	1432	9153	3537	5780	2776	1284
								2%	12%	4%	9%	4%	2%
							grade 3 events	548	1424	1153	2563	1535	561
								0%	1%	1%	3%	2%	1%
							grade 4 events	487	1363	1136	2481	1387	525
								0%	1%	1%	3%	2%	1%
							grade 5 events	1698	5346	2250	5967	2680	2046
								3%	7%	2%	9%	3%	4%
							grade 6 events	1002	16145	1410	13836	3417	1117
								1%	22%	1%	21%	4%	2%
							grade 7 events	47419	31422	41500	30538	52361	41658
								86%	44%	50%	47%	76%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	16.253203	16.17146310471241	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.107530	-72.09691799154255	Alternating exposures requested	N	N
[deg] Pointing Roll	126.403736	126.4825851463115	[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)	108212786.184000	108212409.77398			
Observation start date	2001-06-06T11:05:22	2001-06-06T11:00:09			
[s] Observation end time (MET)	108220541.184000	108220674.8618			
Observation end date	2001-06-06T13:14:37	2001-06-06T13:17:54			
Read mode	TIMED	TIMED			

2.3 Aspect



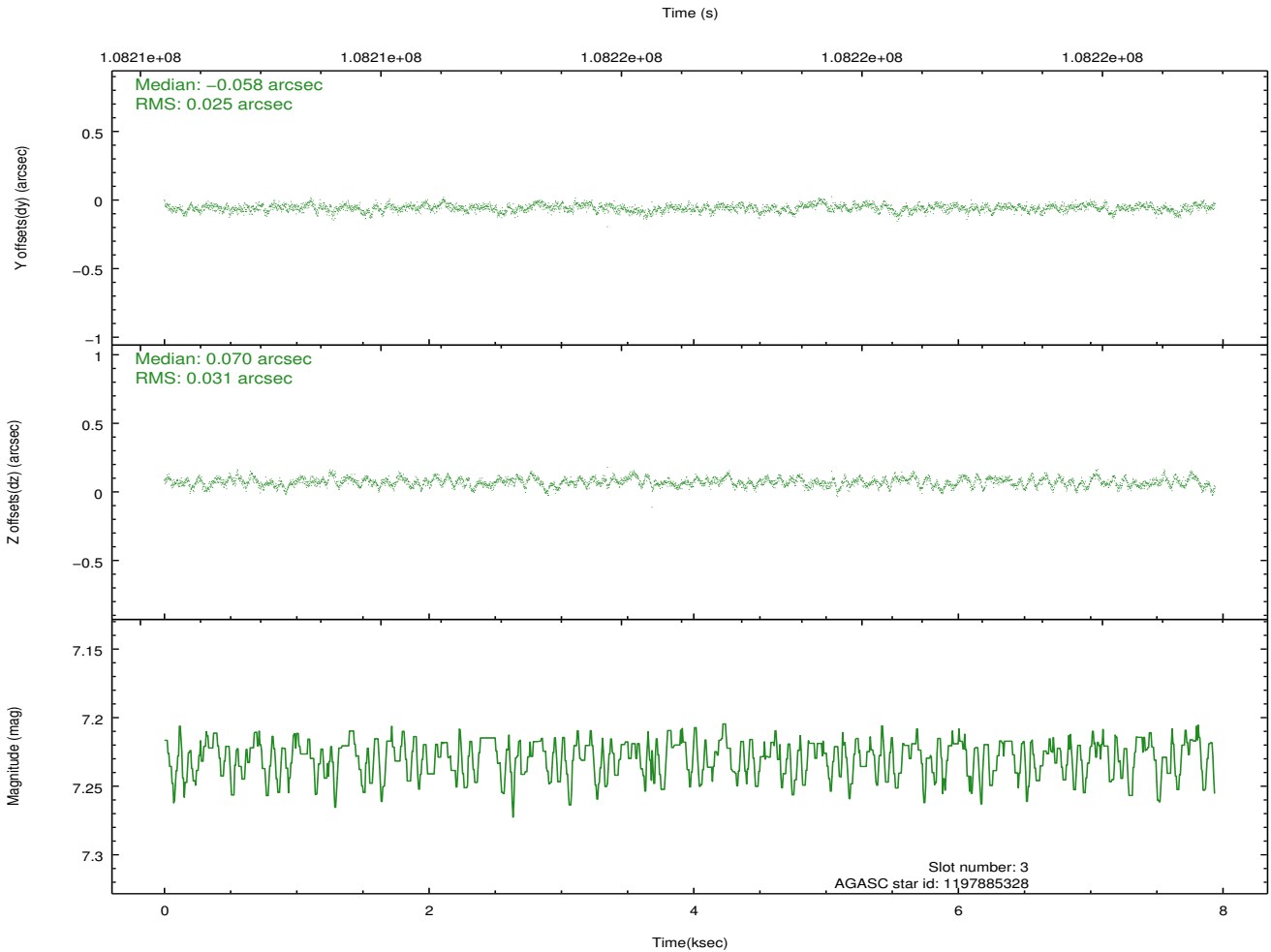
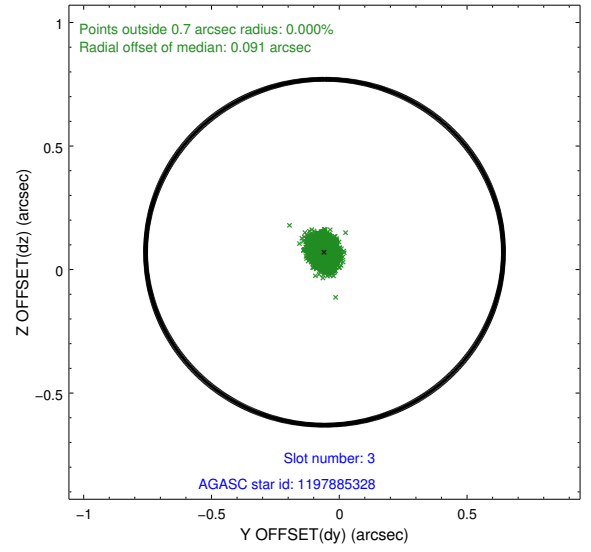
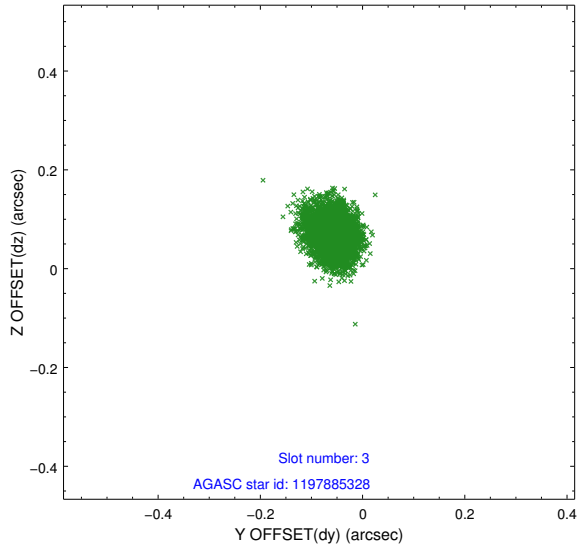


Slot Statistics

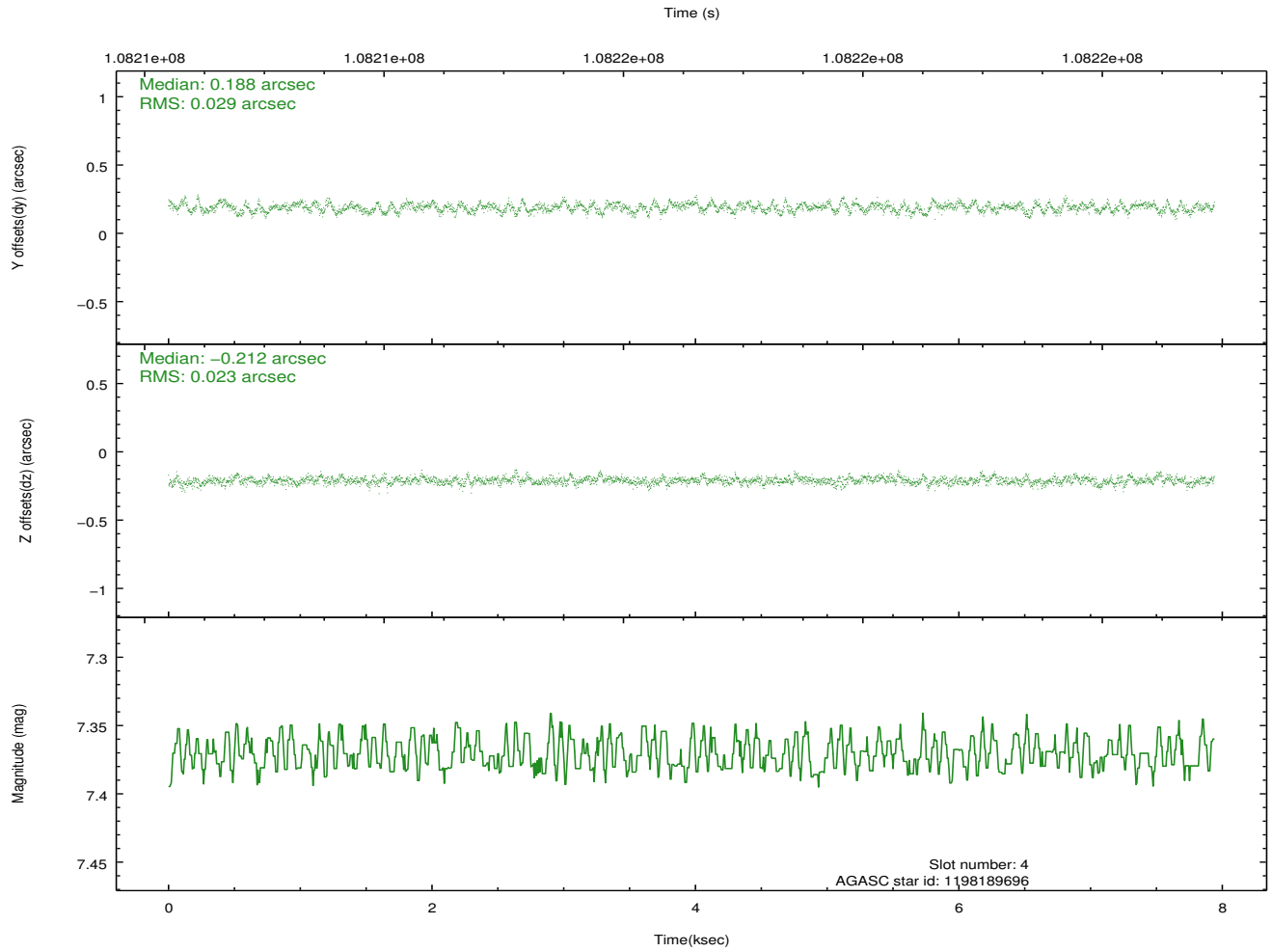
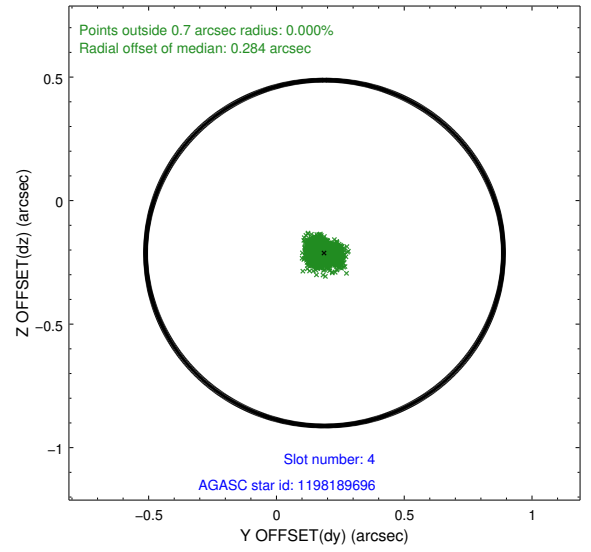
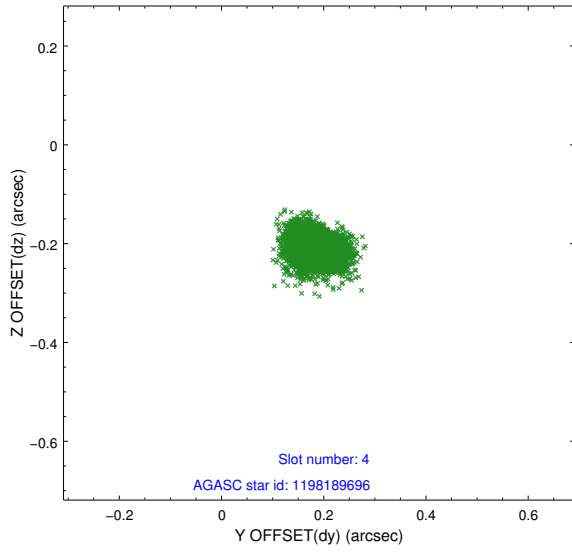
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1937	-0.023	0.015	0.006	0.010	0.000000	0.000000	-755.38	-1726.86
1	FID	ACIS-S-4	7.20	1937	-0.047	0.007	0.005	0.010	0.000000	0.000000	2157.50	180.96
2	FID	ACIS-S-5	7.24	1937	0.039	-0.013	0.006	0.010	0.000000	0.000000	-1807.30	175.31
3	GUIDE	1197885328	7.23	3874	-0.058	0.070	0.043	0.069	16.283090	-71.733943	1063.01	-825.36
4	GUIDE	1198189696	7.37	3874	0.188	-0.212	0.039	0.066	15.223750	-72.697522	-1062.36	2152.53
5	GUIDE	1197750936	7.59	3874	-0.216	0.111	0.055	0.087	15.387940	-71.549550	2196.14	-393.59
6	GUIDE	1197884536	8.49	3874	0.001	0.072	0.057	0.091	17.160729	-71.835289	179.52	-1396.94
7	GUIDE	1197884712	8.30	3872	0.082	-0.042	0.050	0.080	16.087398	-72.252690	-312.24	456.15

2.4 Star Slots

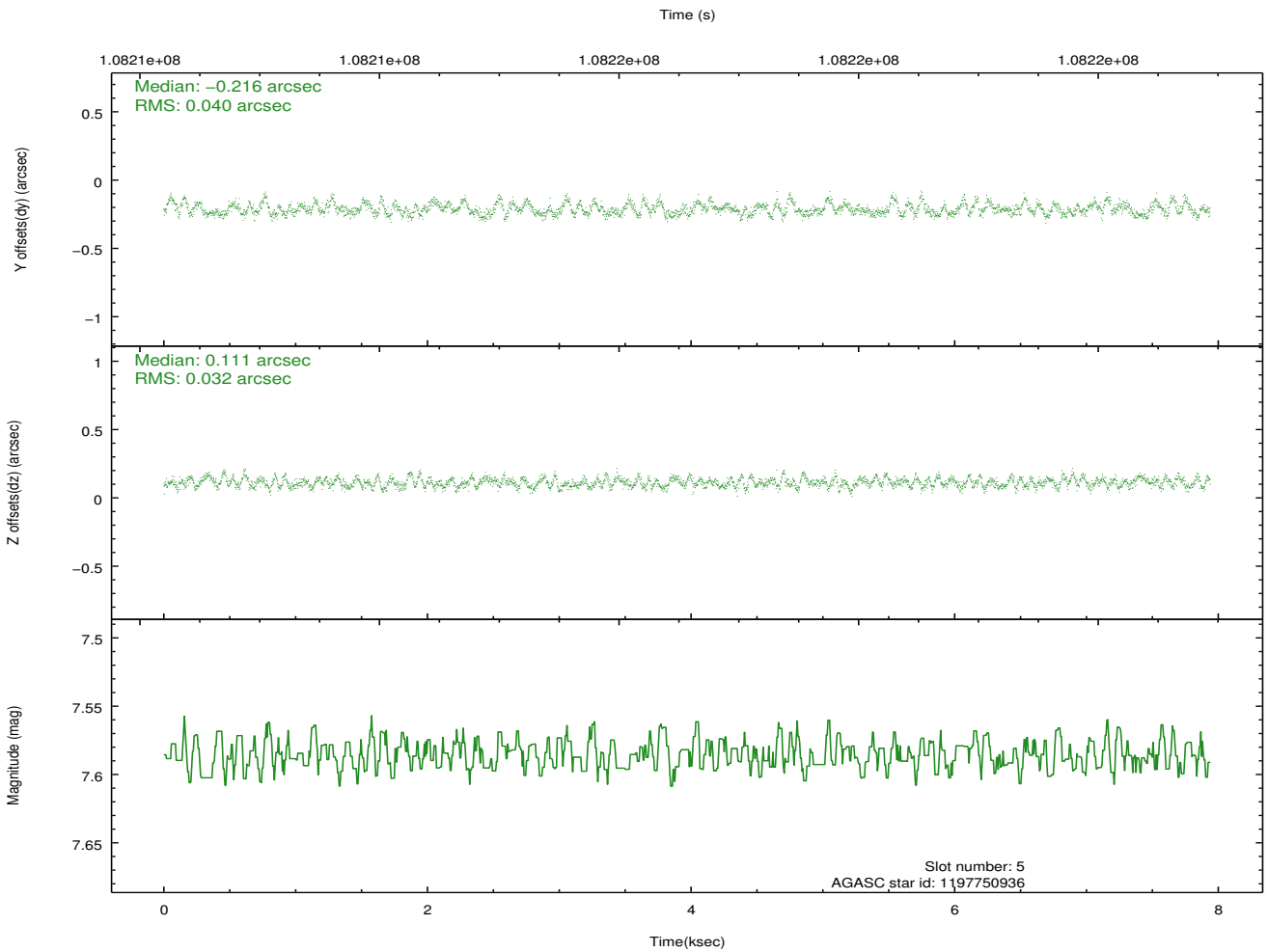
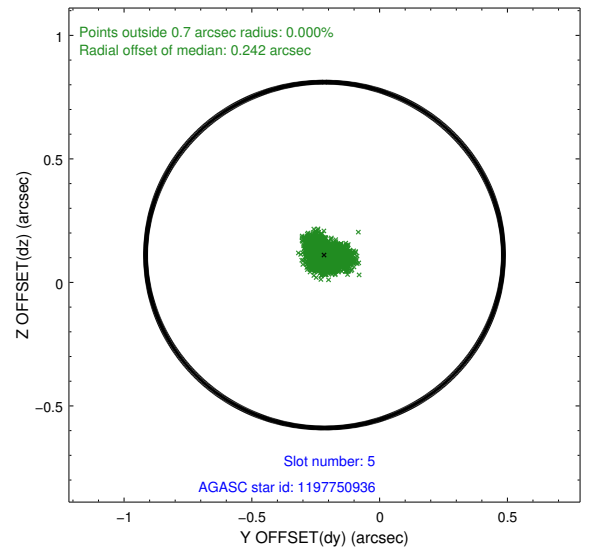
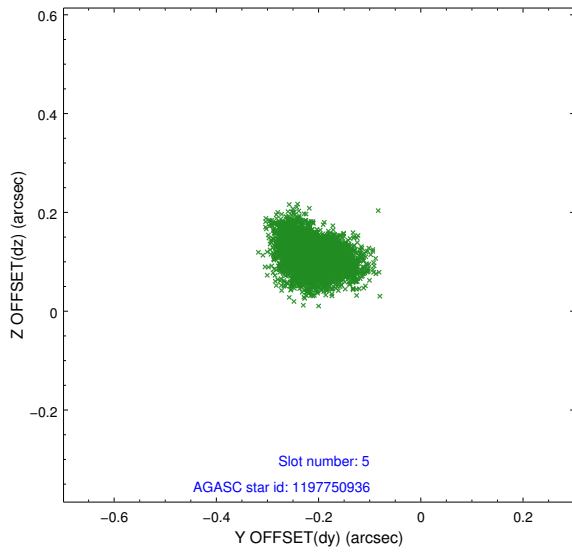
2.4.1 Slot 3



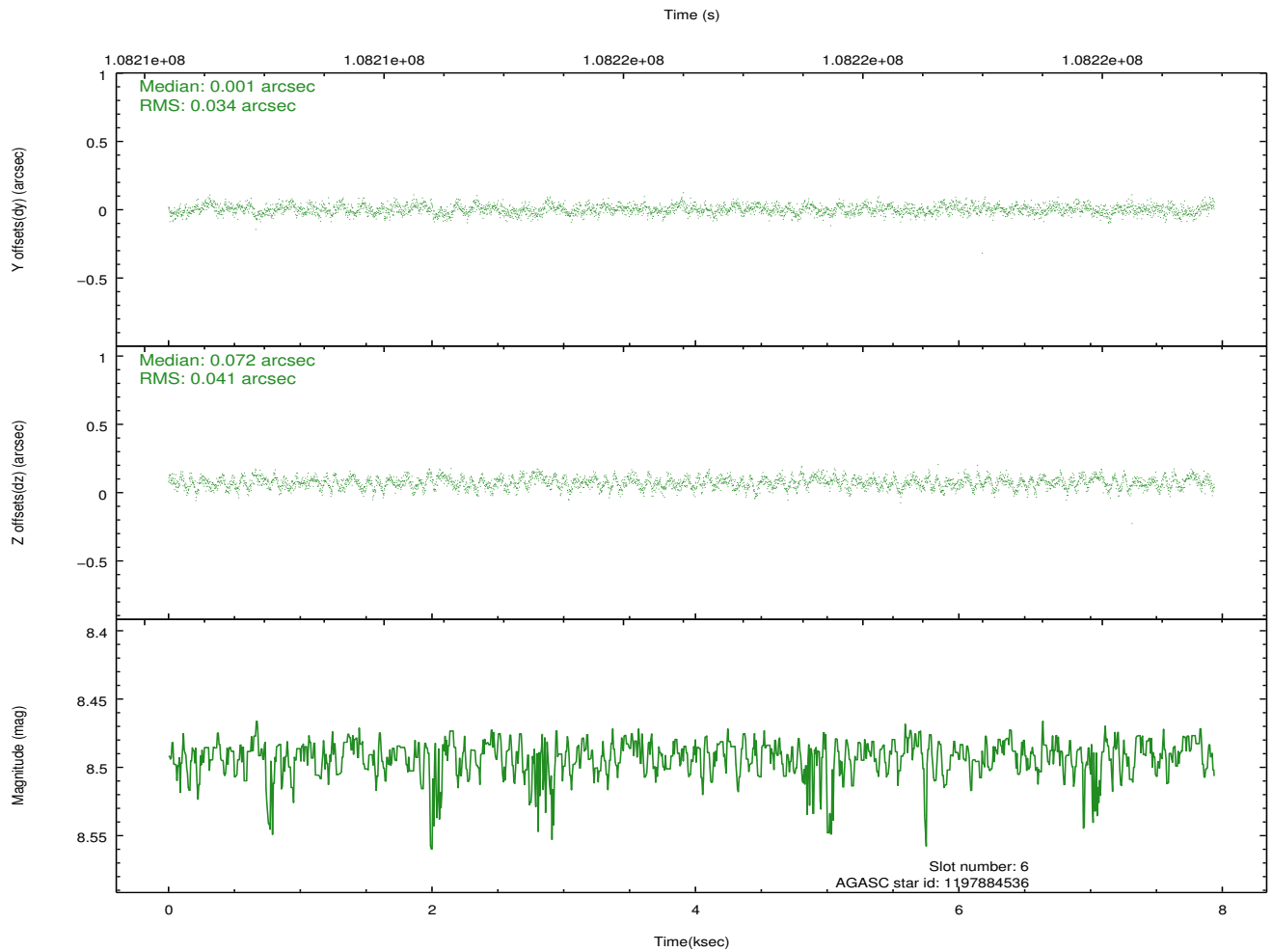
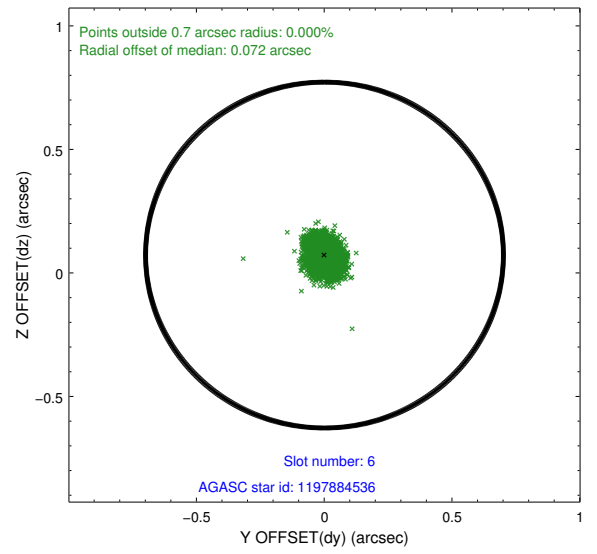
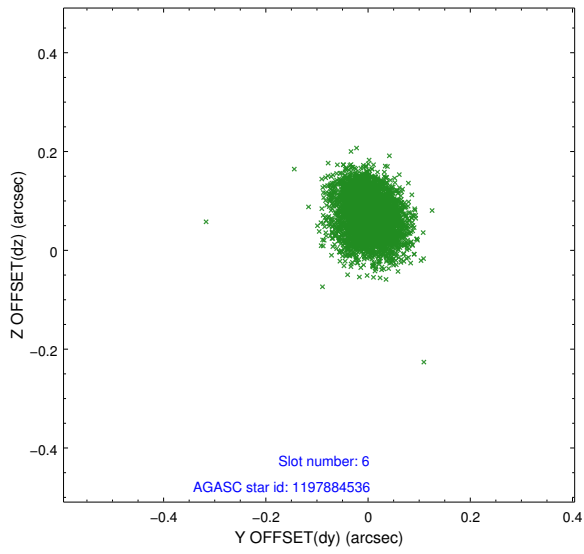
2.4.2 Slot 4



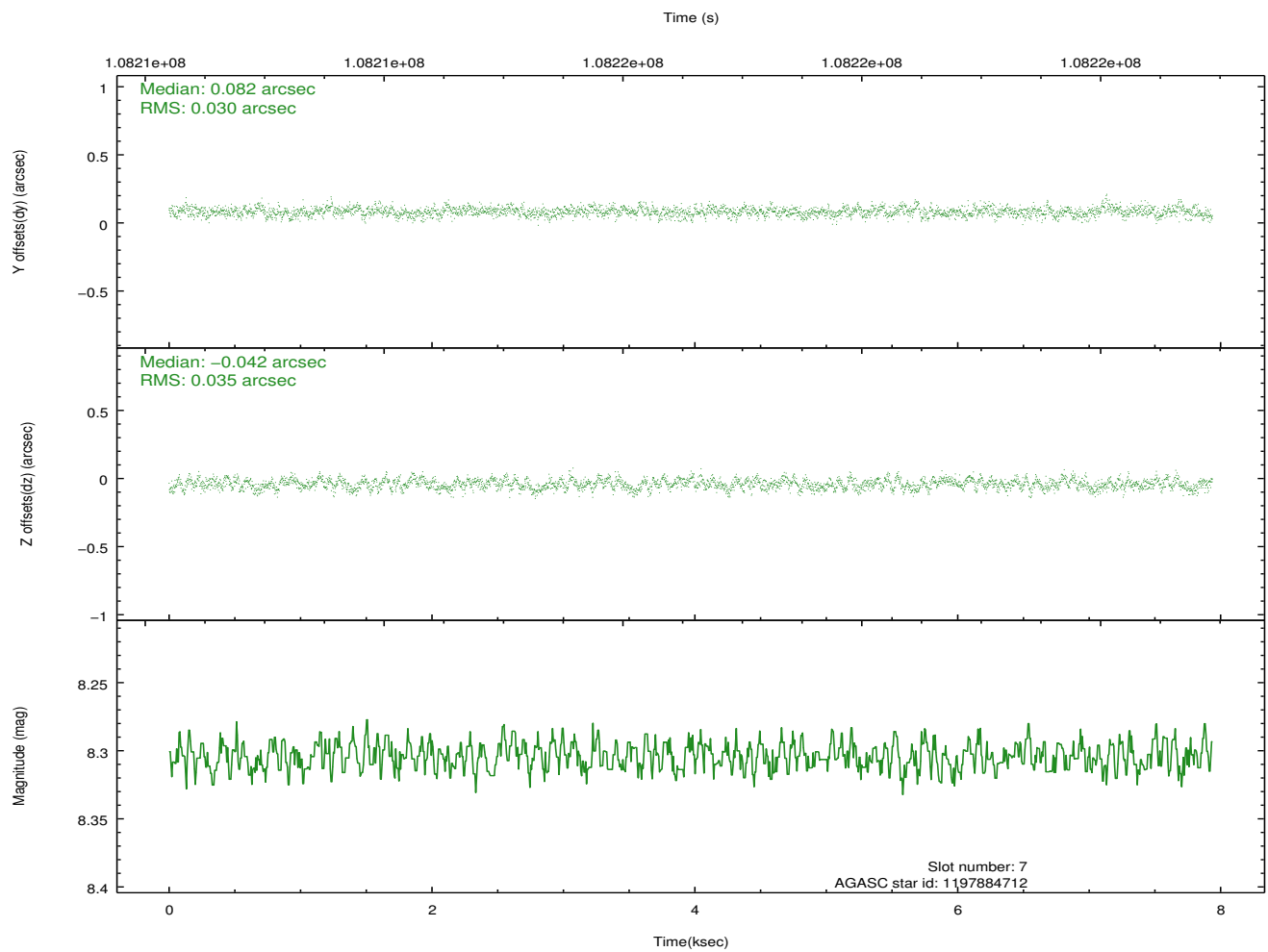
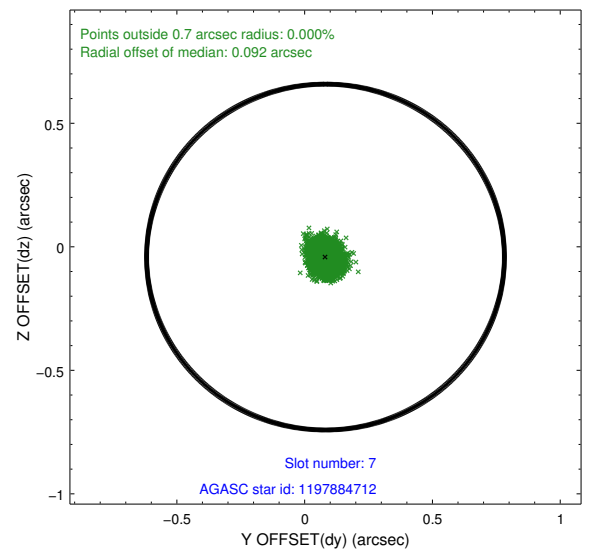
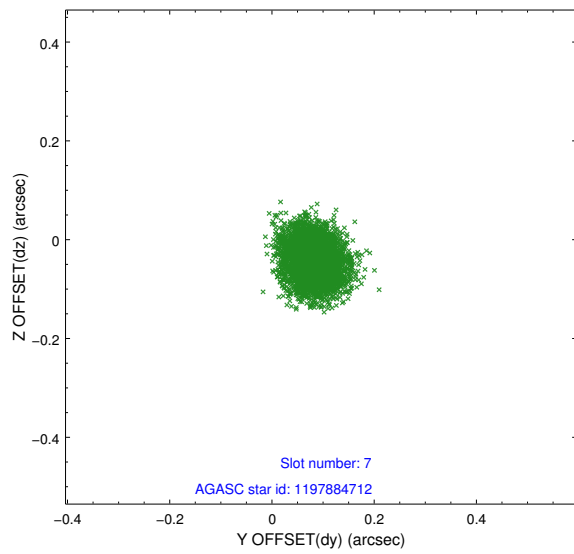
2.4.3 Slot 5



2.4.4 Slot 6

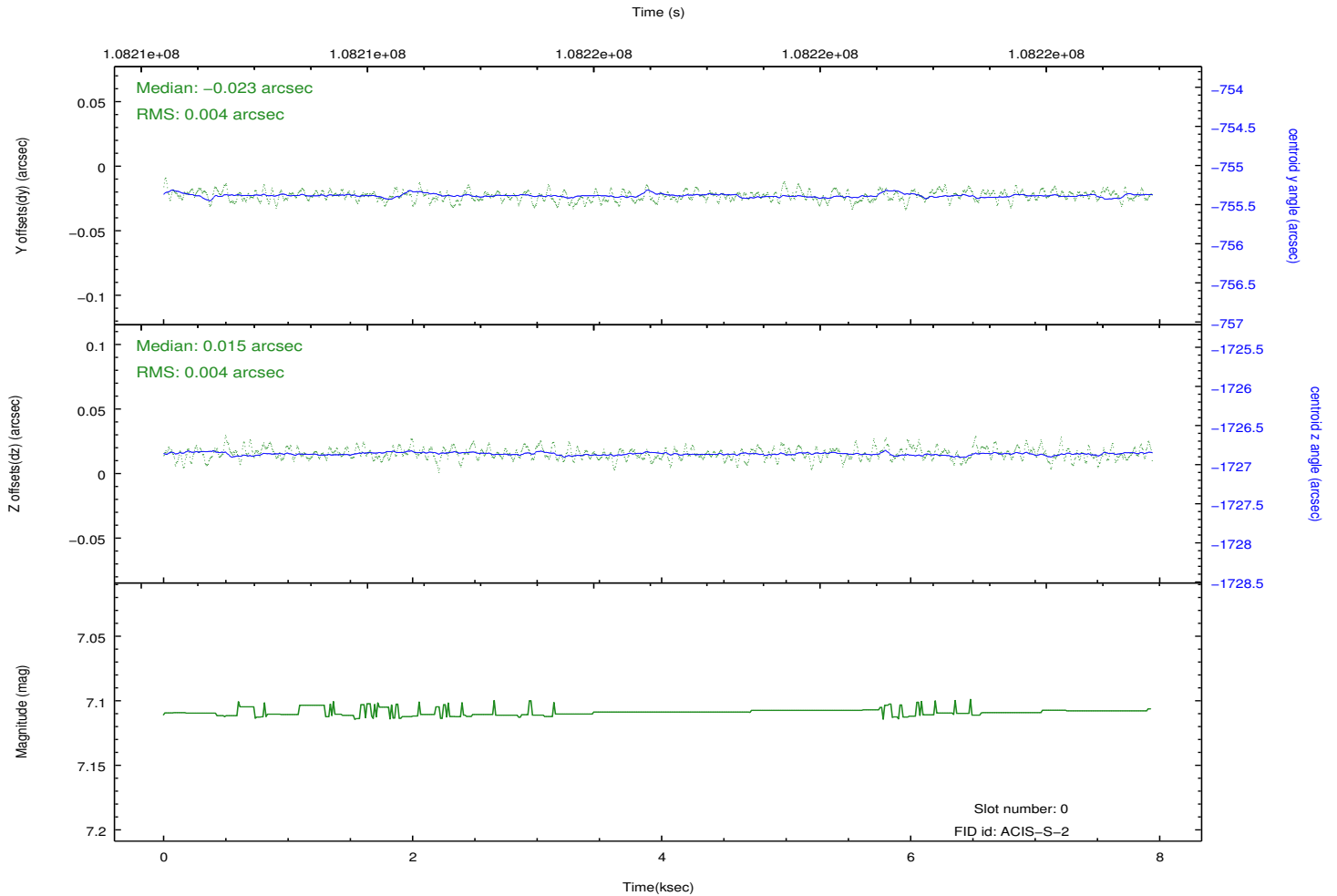
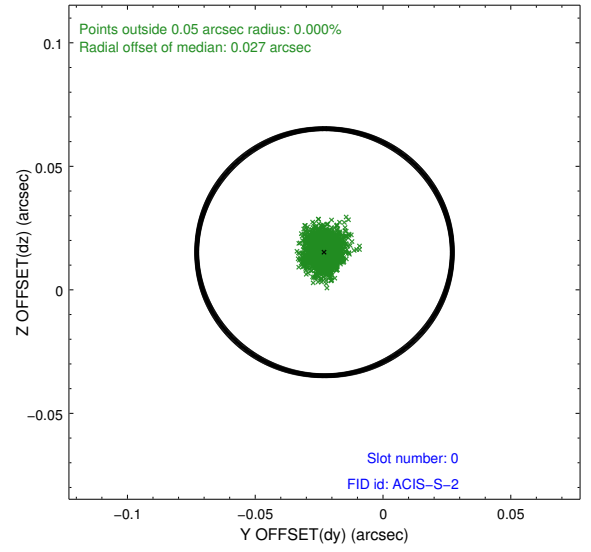
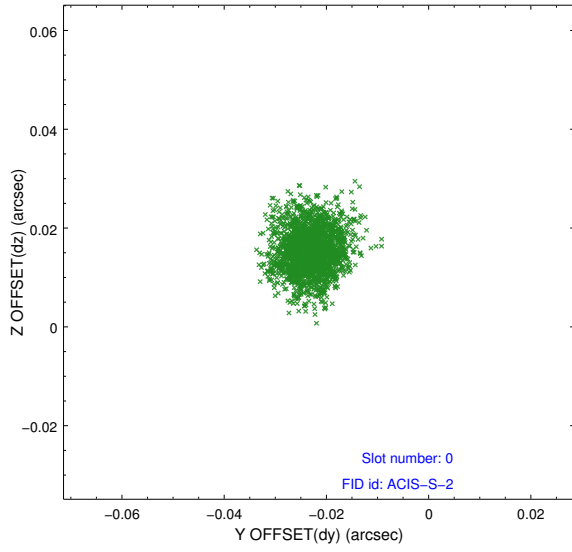


2.4.5 Slot 7

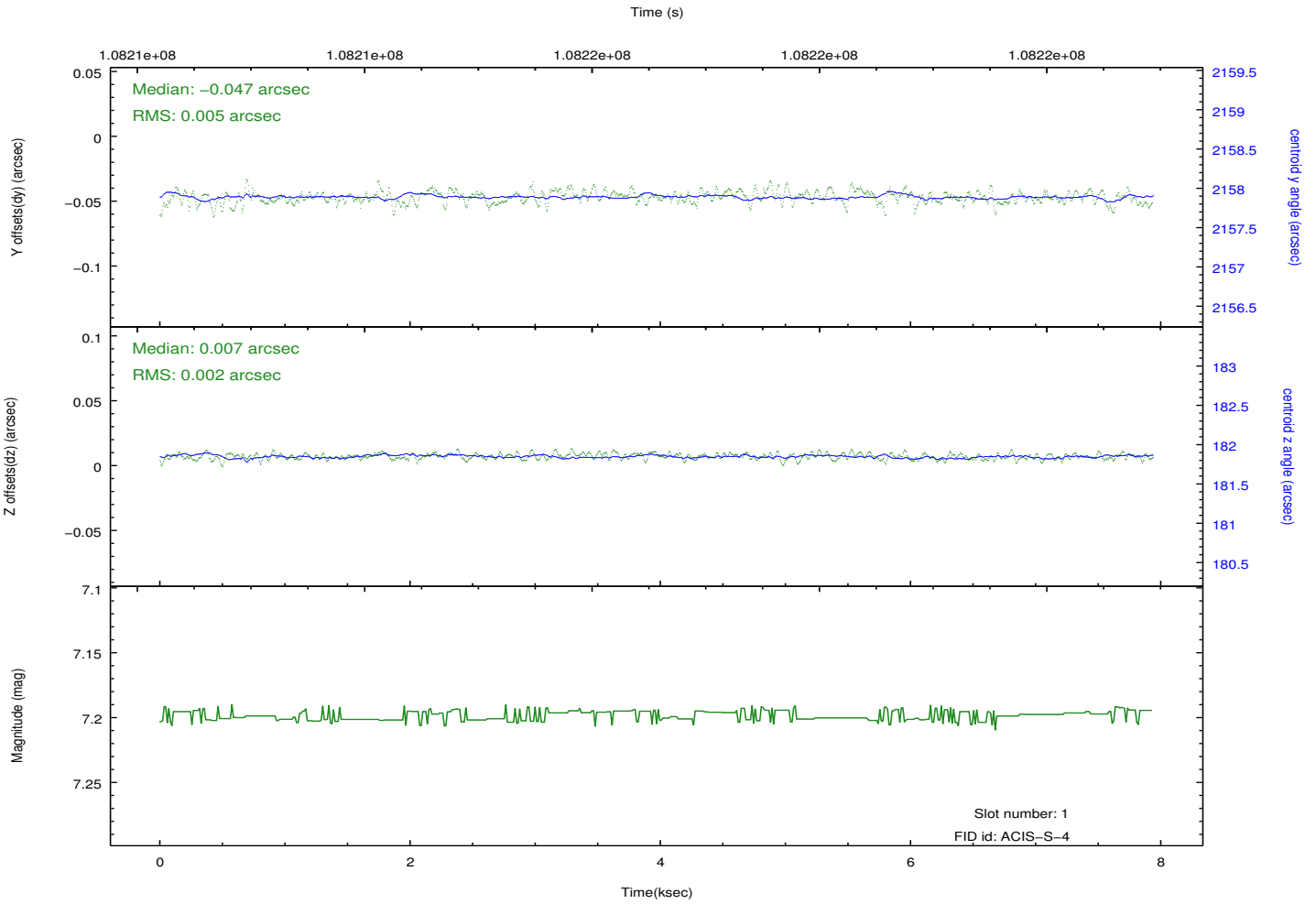
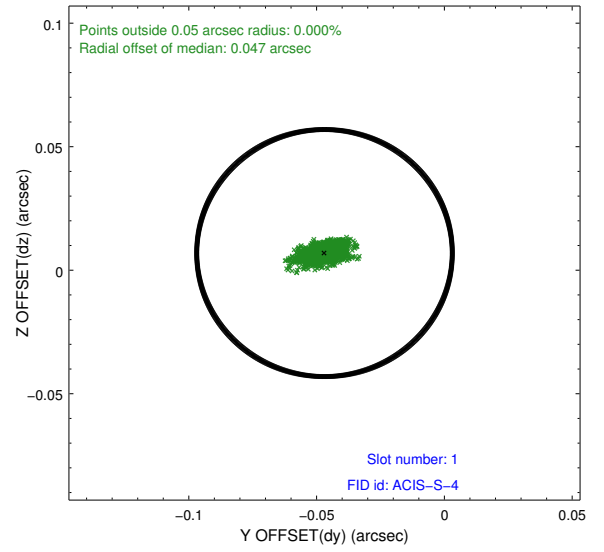
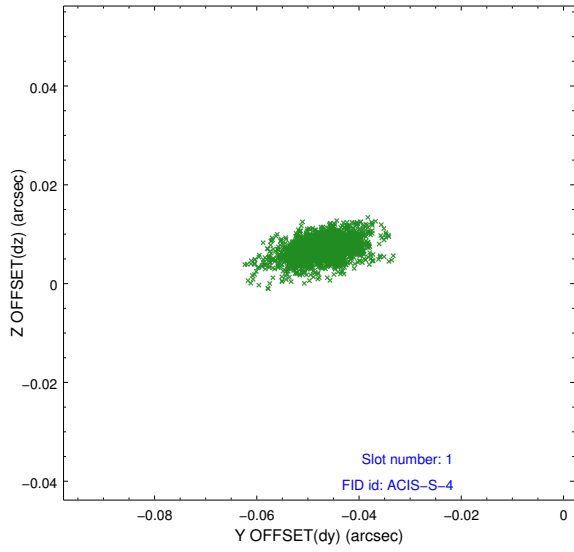


2.5 FID Slots

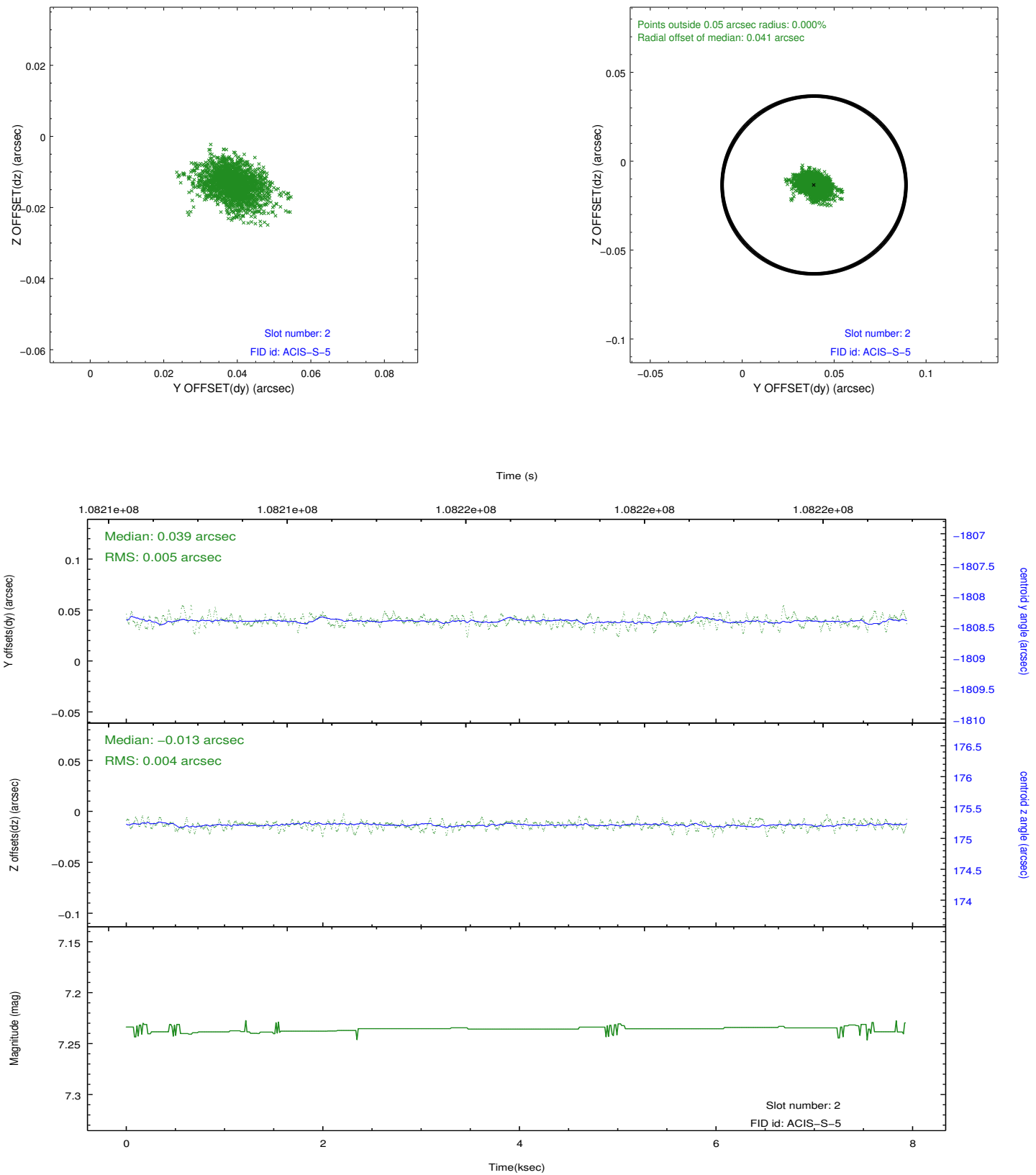
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.51

A.2 Comments

Window constraint met.