

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1532 - L2 Version 3
Chandra X-Ray Center

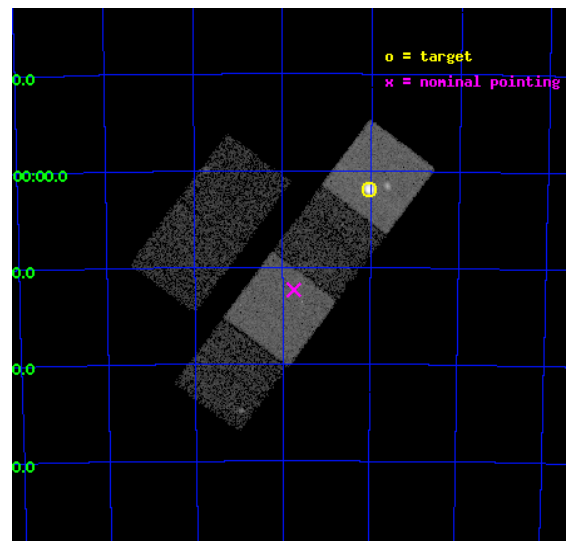
L2 Processing Date : Sep 17 2012

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1 Front

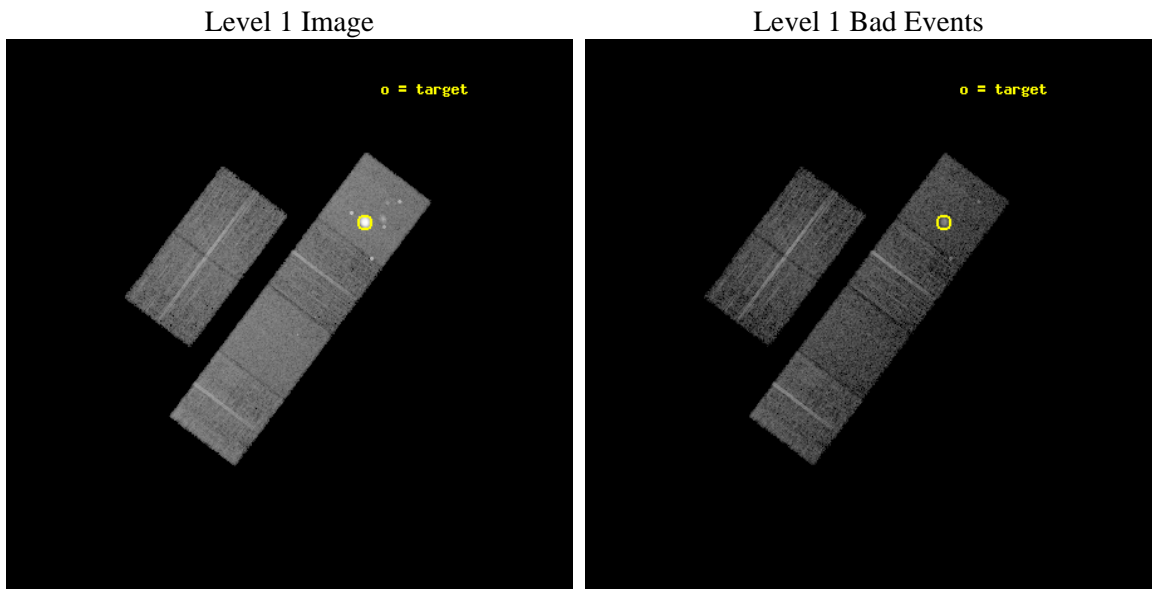
seq_num	590141	Sequence number
obs_id	1532	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S1, T=120, Offsets=13,0,0]	Source name
dtcycle	0	
cycle	P	events from which 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	16.435993056756	Nominal RA [deg]
dec_nom	-72.205654803539	Nominal Dec [deg]
roll_nom	126.89487664032	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7513.6000069827	Sum of GTIs [s]
livetime	7418.4582795475	Livetime [s]
ontime2	7513.6000069827	Sum of GTIs [s]
ontime3	7513.6000069827	Sum of GTIs [s]
ontime5	7513.6000069827	Sum of GTIs [s]
ontime6	7513.6000069827	Sum of GTIs [s]
ontime7	7513.6000069827	Sum of GTIs [s]
ontime8	7510.3590467423	Sum of GTIs [s]
l2events	126587	Number of level 2 events



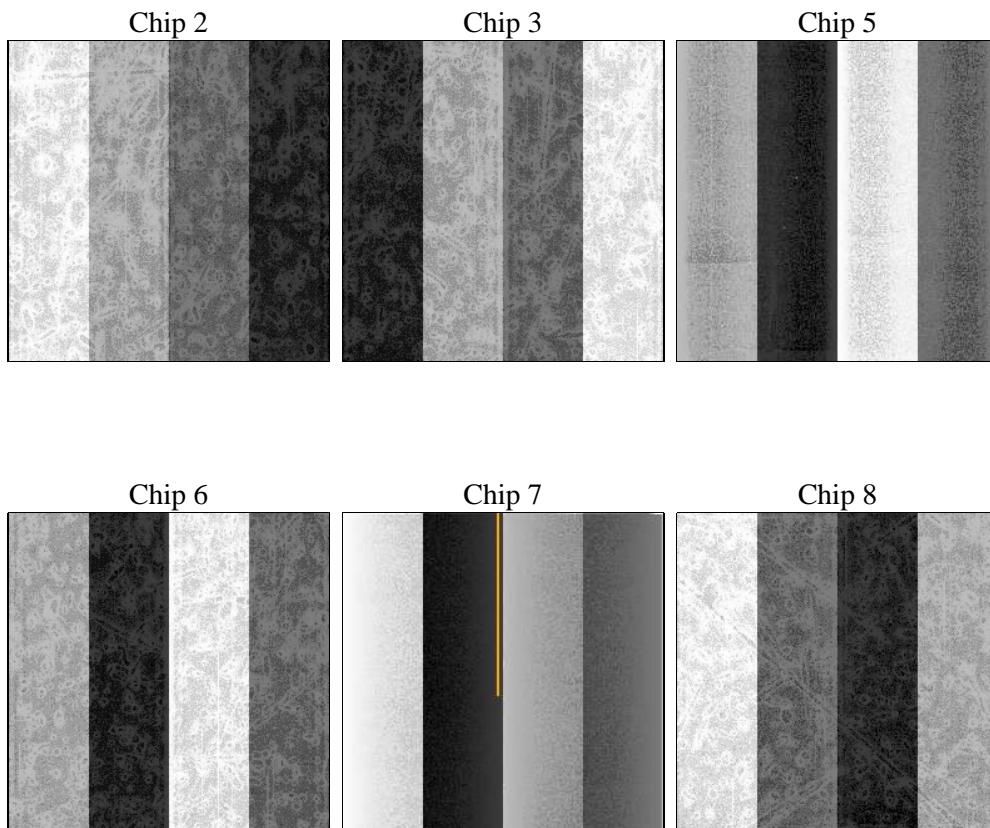
2 OBI

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	7513.6000069827	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	7513.6000069827	Sum of GTIs [s]
date	2012-09-17T18:02:11	Date and time of file creation	ontime3	7513.6000069827	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7513.6000069827	Sum of GTIs [s]
			ontime6	7513.6000069827	Sum of GTIs [s]
			ontime7	7513.6000069827	Sum of GTIs [s]
			ontime8	7510.3590467423	Sum of GTIs [s]
			l1events	409255	Number of level 1 events

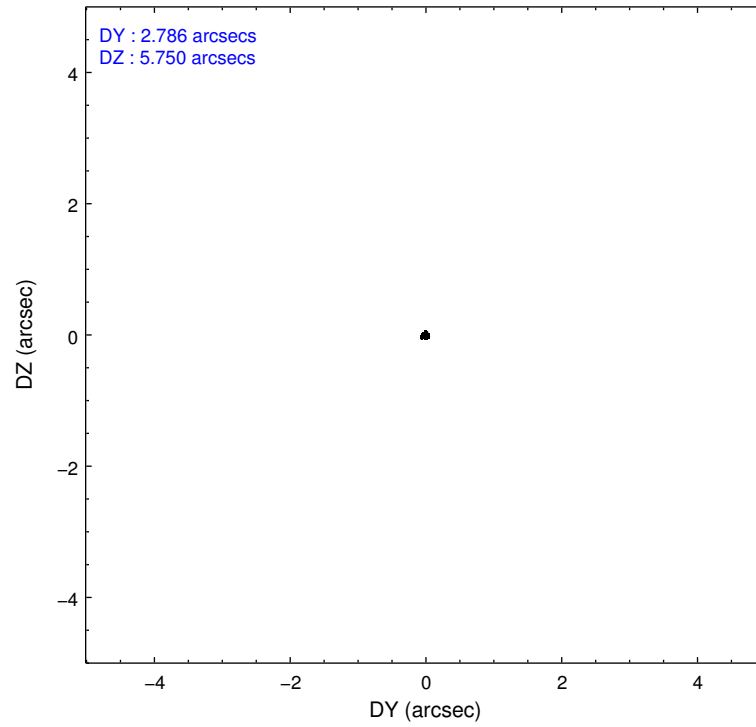
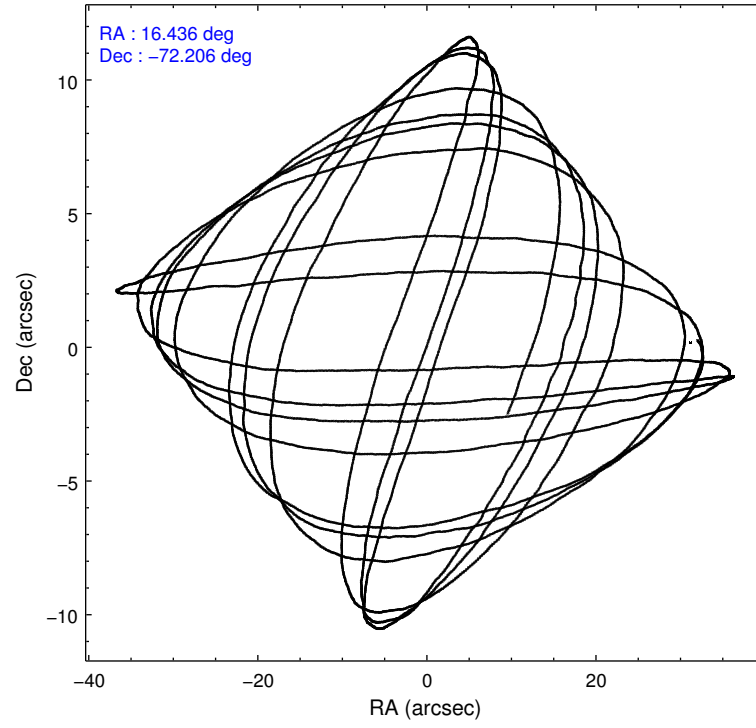
2.1.4 Events

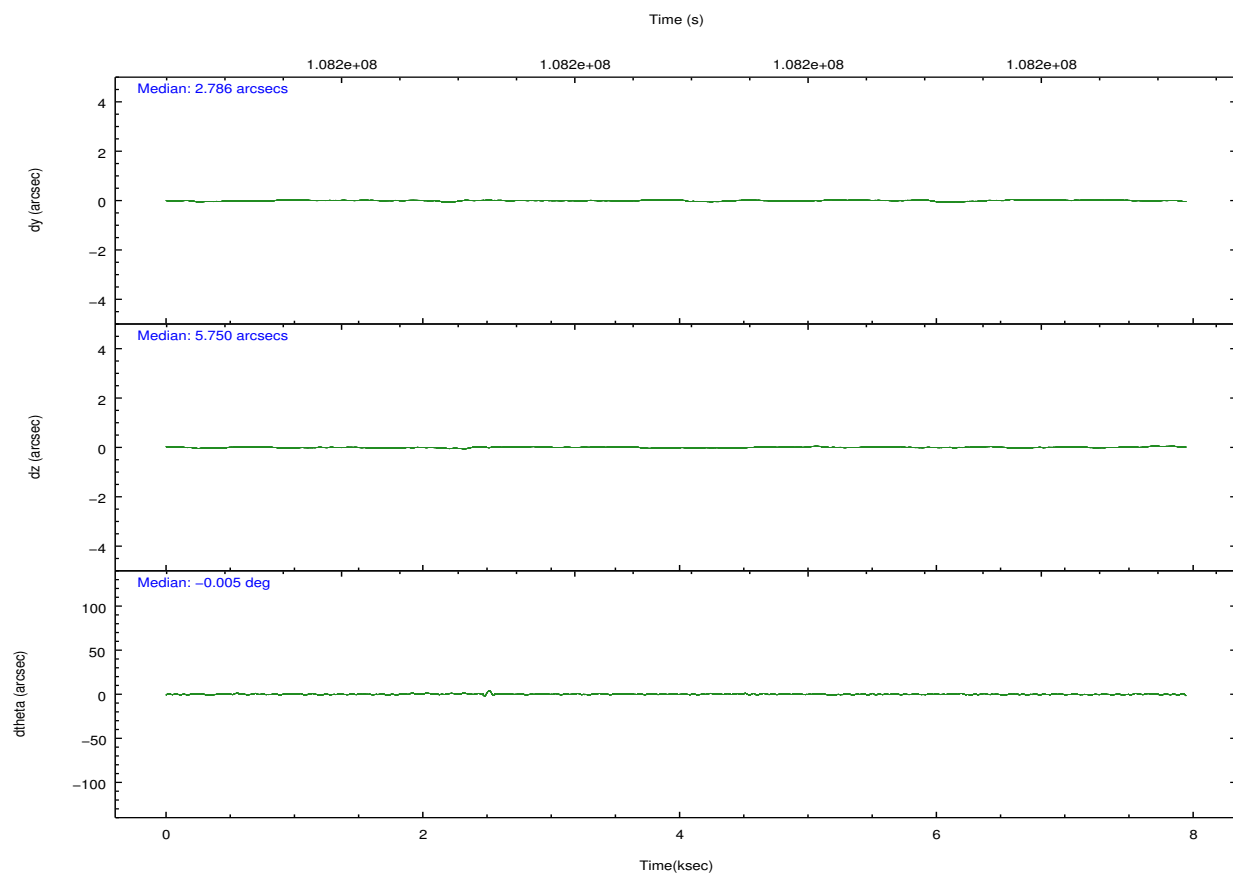
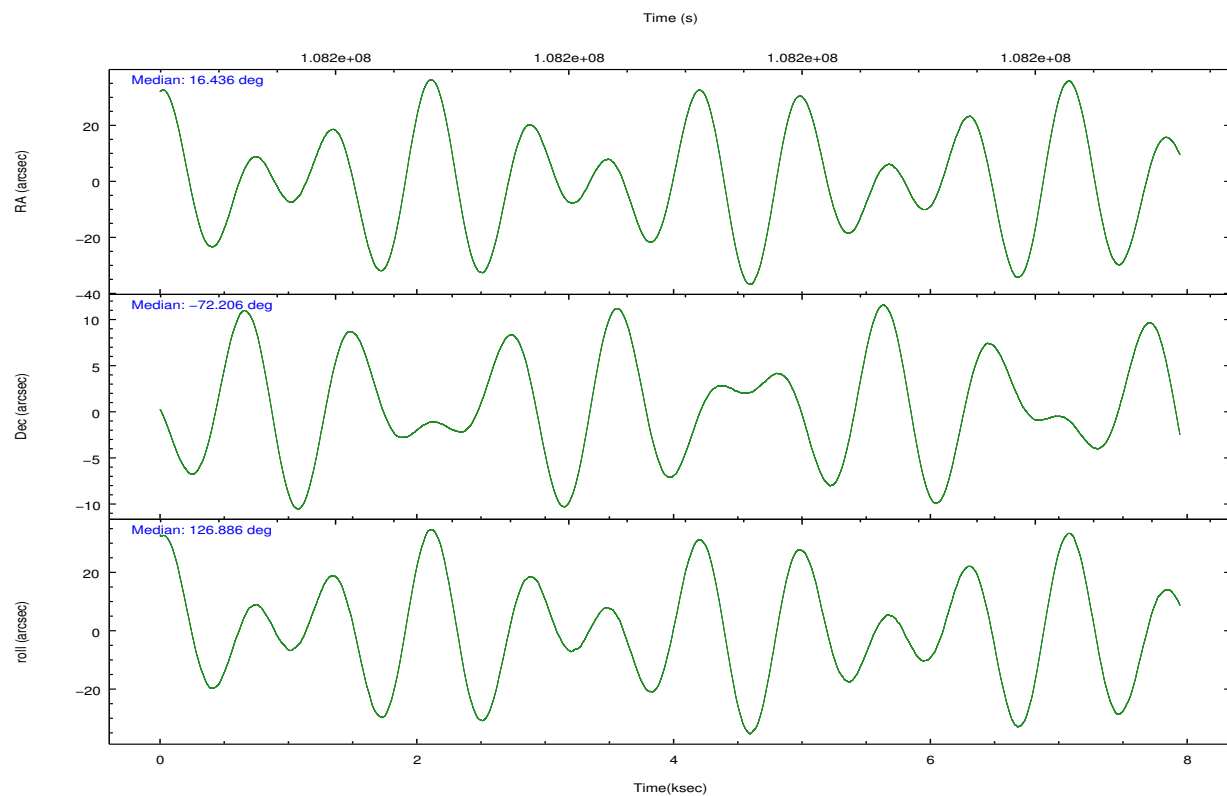
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	53264	49615	124721	51043	63670	66942	grade 0 events	2437	2373	29783	3125	2693	4289
rejected events	47538	44082	38877	44467	37140	53513		4%	4%	23%	6%	4%	6%
rejected %	89%	88%	31%	87%	58%	79%	grade 1 events	23	21	310	30	67	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	1188	1118	23395	1123	5319	2812
								2%	2%	18%	2%	8%	4%
							grade 3 events	553	509	6019	630	2348	1444
								1%	1%	4%	1%	3%	2%
							grade 4 events	549	545	6005	581	2420	1359
								1%	1%	4%	1%	3%	2%
							grade 5 events	1709	1820	5963	2093	6041	2487
								3%	3%	4%	4%	9%	3%
							grade 6 events	1003	991	20680	1122	13765	3545
								1%	1%	16%	2%	21%	5%
							grade 7 events	45802	42238	32566	42339	31017	50957
								85%	85%	26%	82%	48%	76%

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	16.518475	16.43599305675555	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.216095	-72.20565480353866	Alternating exposures requested	N	N
[deg] Pointing Roll	126.816785	126.894876640324	[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)	108195086.184000	108194710.07329			
Observation start date	2001-06-06T06:10:22	2001-06-06T06:05:10			
[s] Observation end time (MET)	108202841.184000	108202974.64861			
Observation end date	2001-06-06T08:19:37	2001-06-06T08:22:54			
Read mode	TIMED	TIMED			

2.3 Aspect



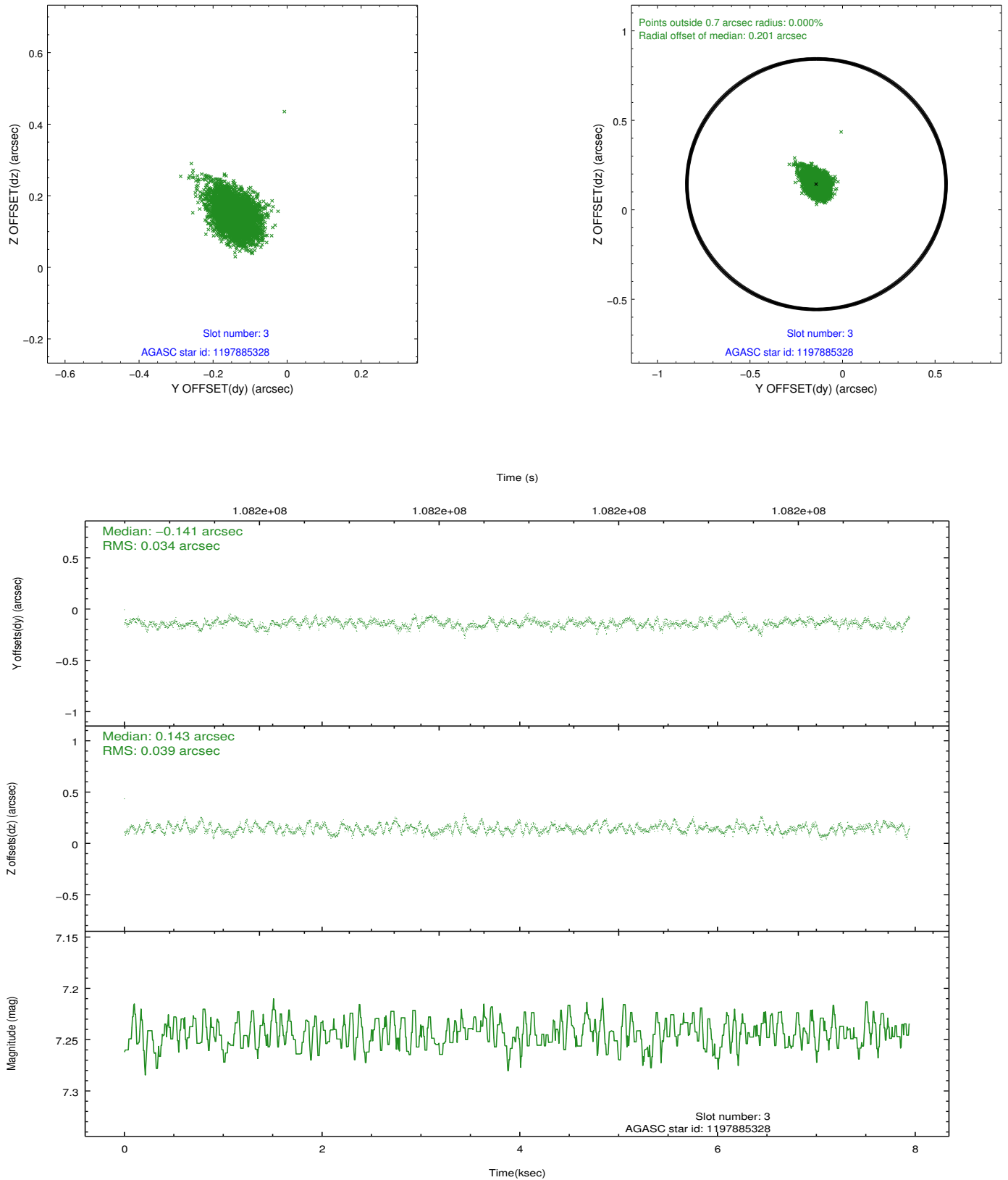


Slot Statistics

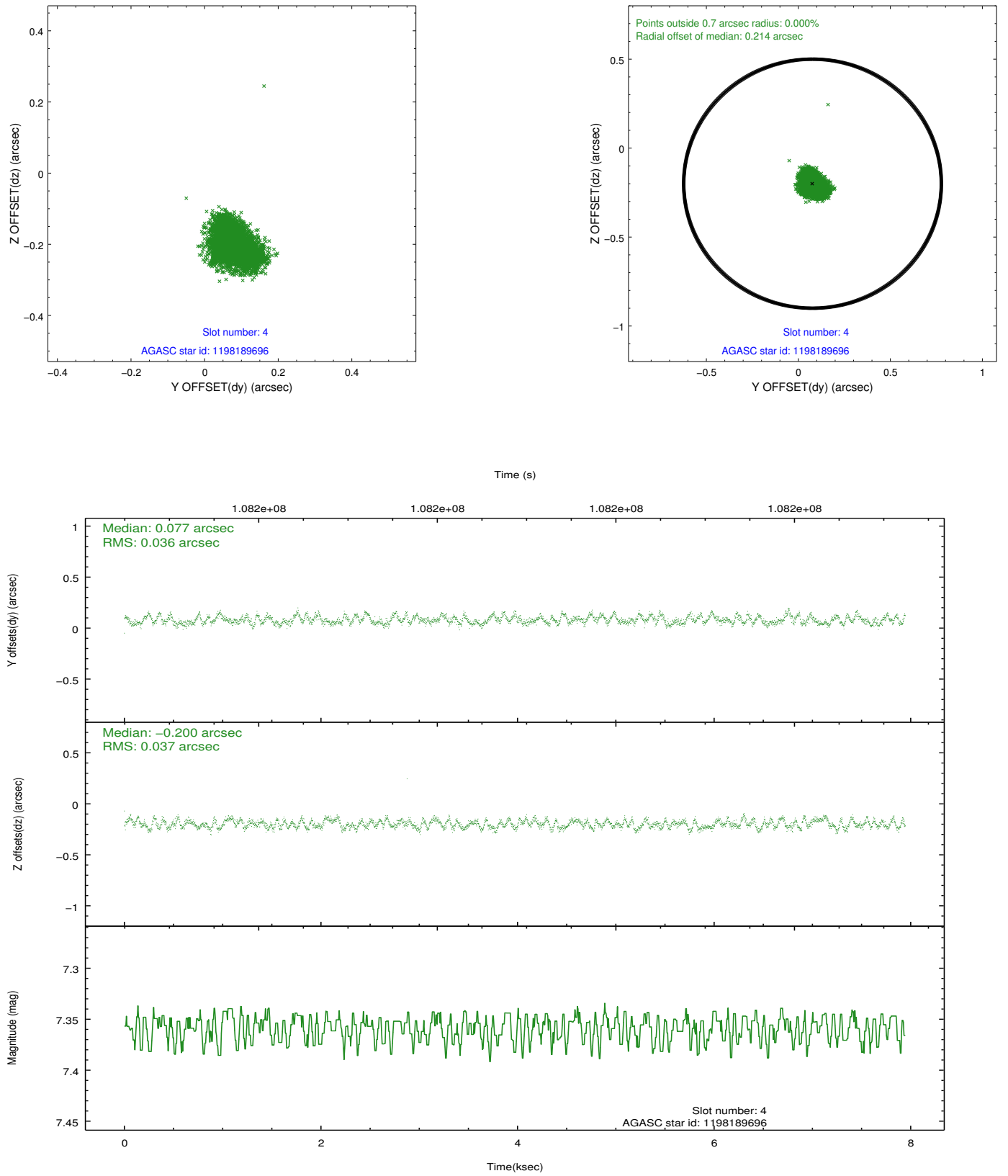
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1938	-0.006	-0.009	0.005	0.010	0.000000	0.000000	-755.39	-1726.85
1	FID	ACIS-S-4	7.20	1937	-0.033	0.002	0.006	0.010	0.000000	0.000000	2157.50	180.97
2	FID	ACIS-S-6	7.35	1937	0.011	0.014	0.007	0.011	0.000000	0.000000	407.47	819.15
3	GUIDE	1197885328	7.24	3875	-0.141	0.143	0.054	0.089	16.283090	-71.733943	1548.90	-826.92
4	GUIDE	1198189696	7.36	3875	0.077	-0.200	0.056	0.085	15.223750	-72.697522	-568.03	2156.84
5	GUIDE	1197884536	8.49	3875	-0.029	0.100	0.057	0.094	17.160729	-71.835289	663.15	-1395.41
6	GUIDE	1197884712	8.30	3876	0.052	-0.061	0.053	0.084	16.087398	-72.252690	177.42	458.36
7	GUIDE	1198283128	7.58	3875	0.038	0.010	0.056	0.089	17.272580	-72.642428	-1717.43	274.39

2.4 Star Slots

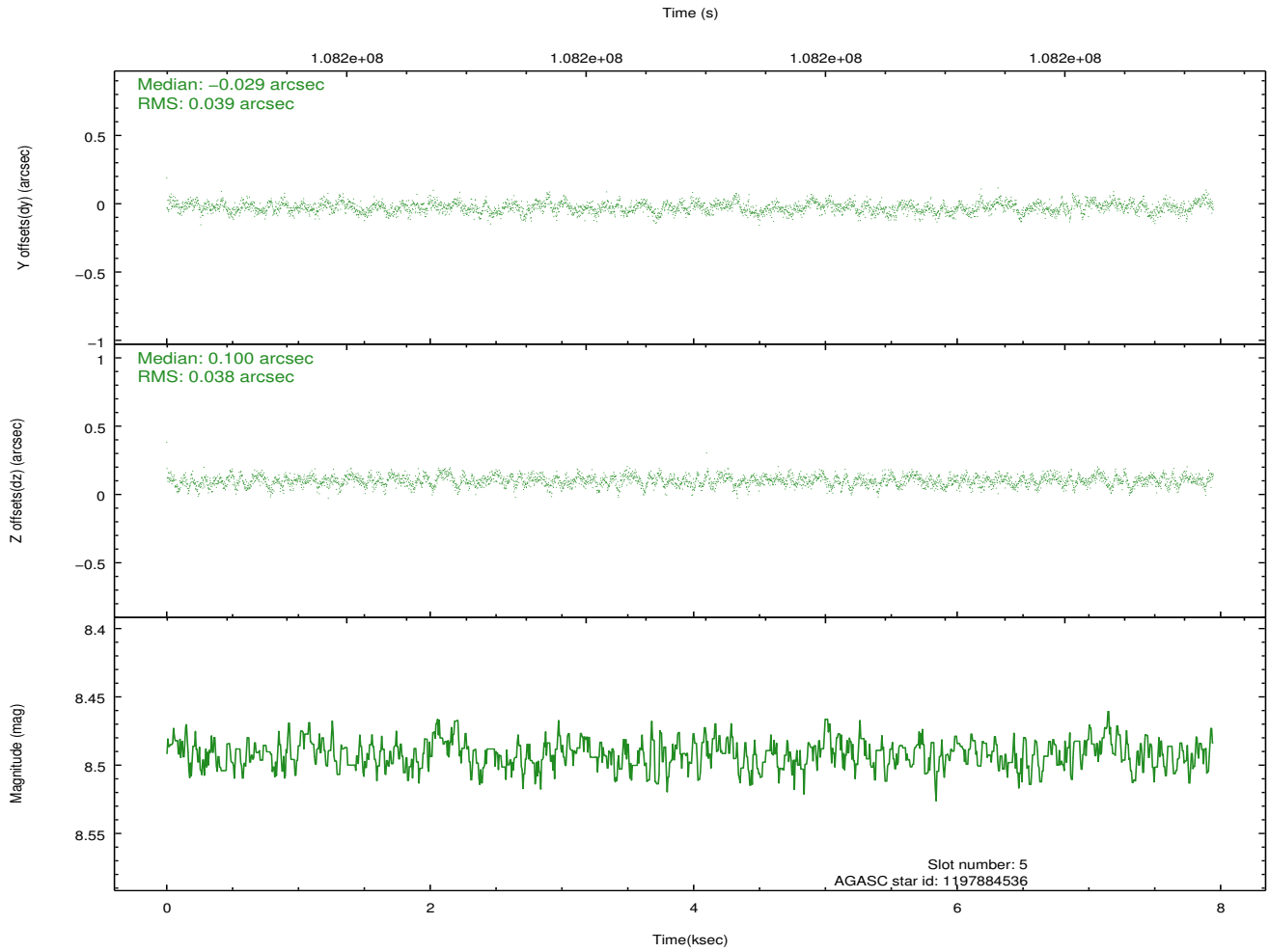
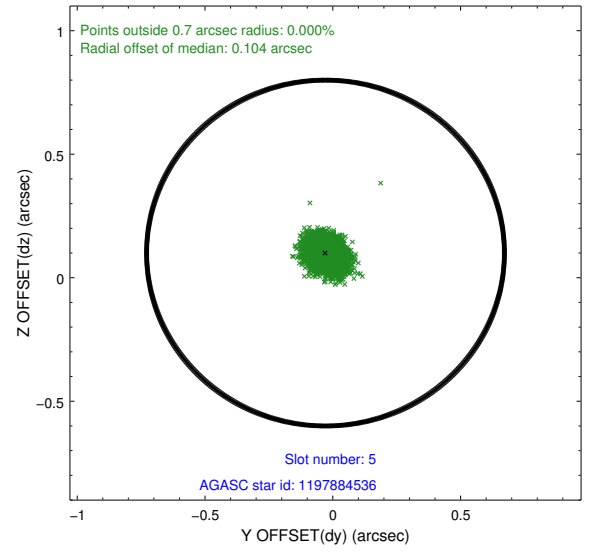
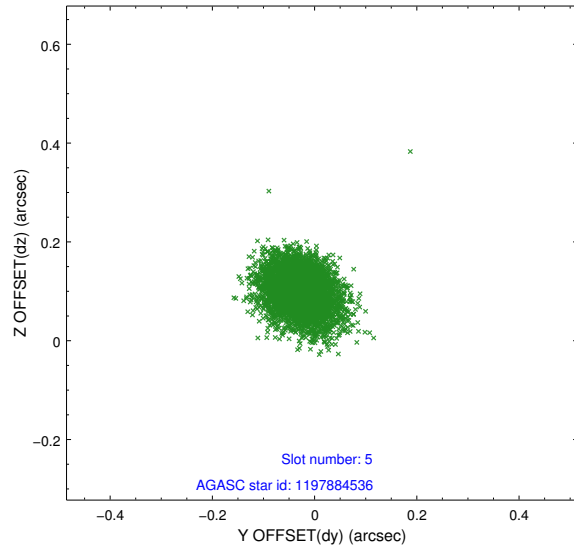
2.4.1 Slot 3



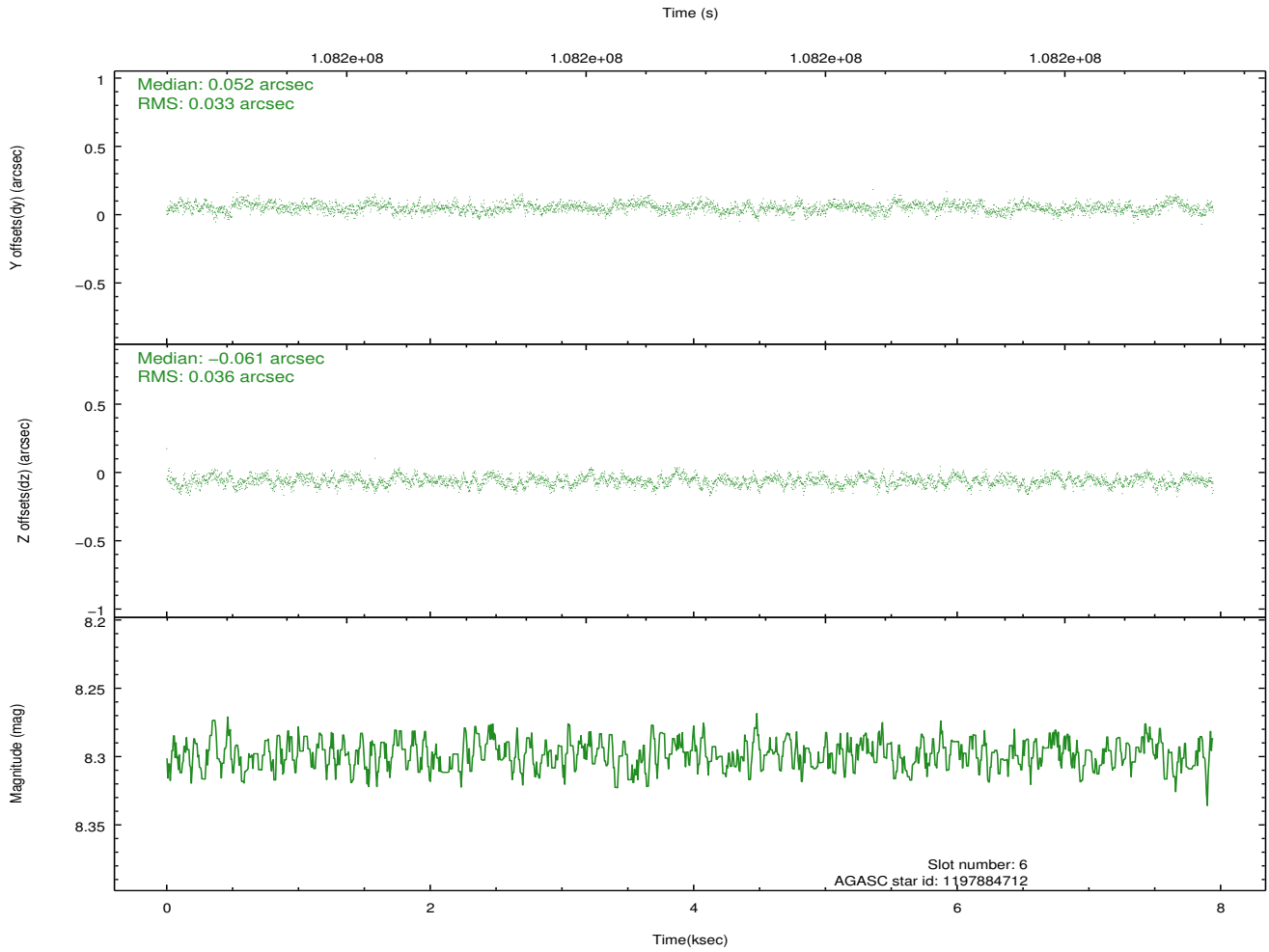
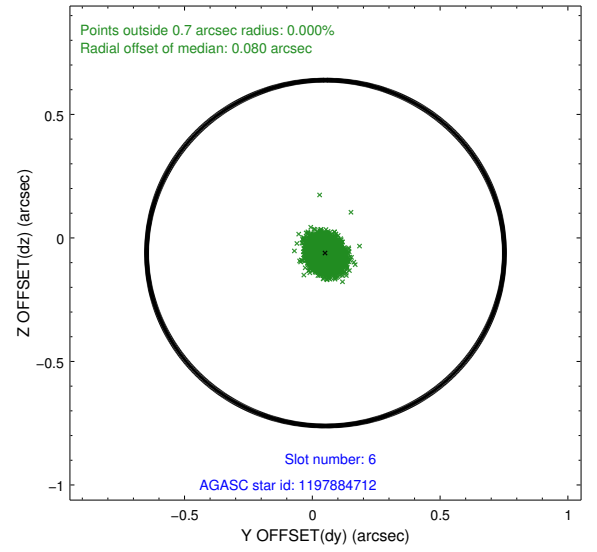
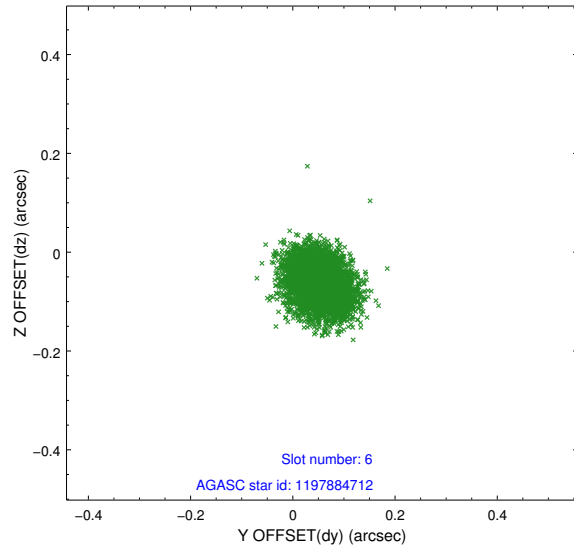
2.4.2 Slot 4



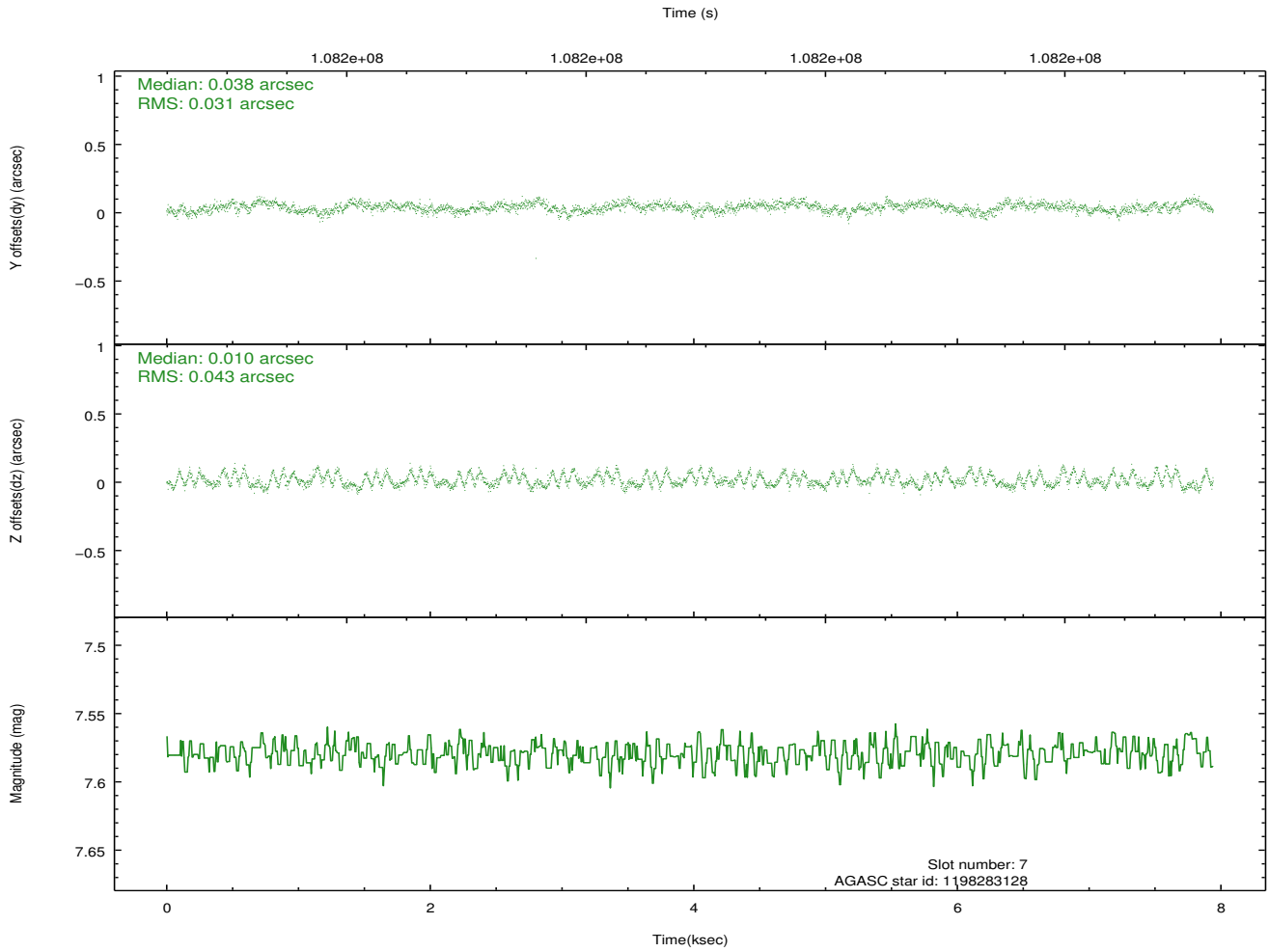
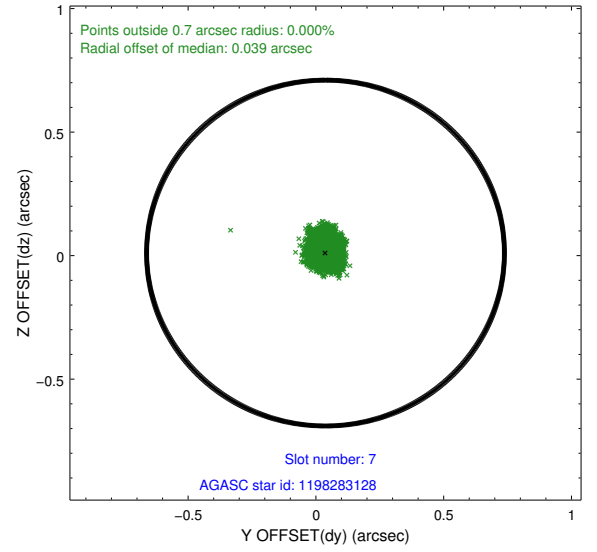
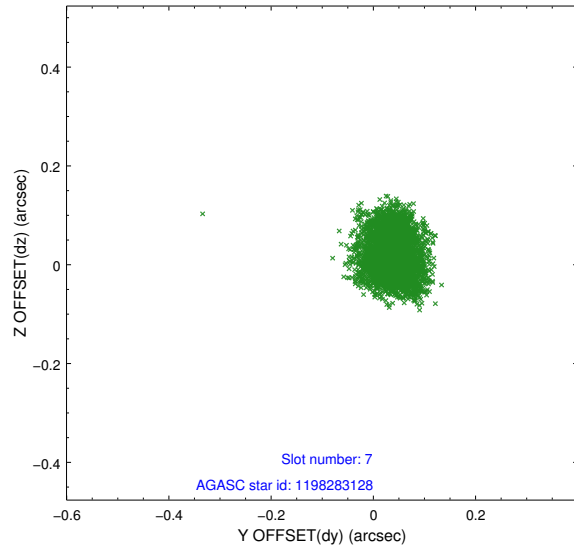
2.4.3 Slot 5



2.4.4 Slot 6

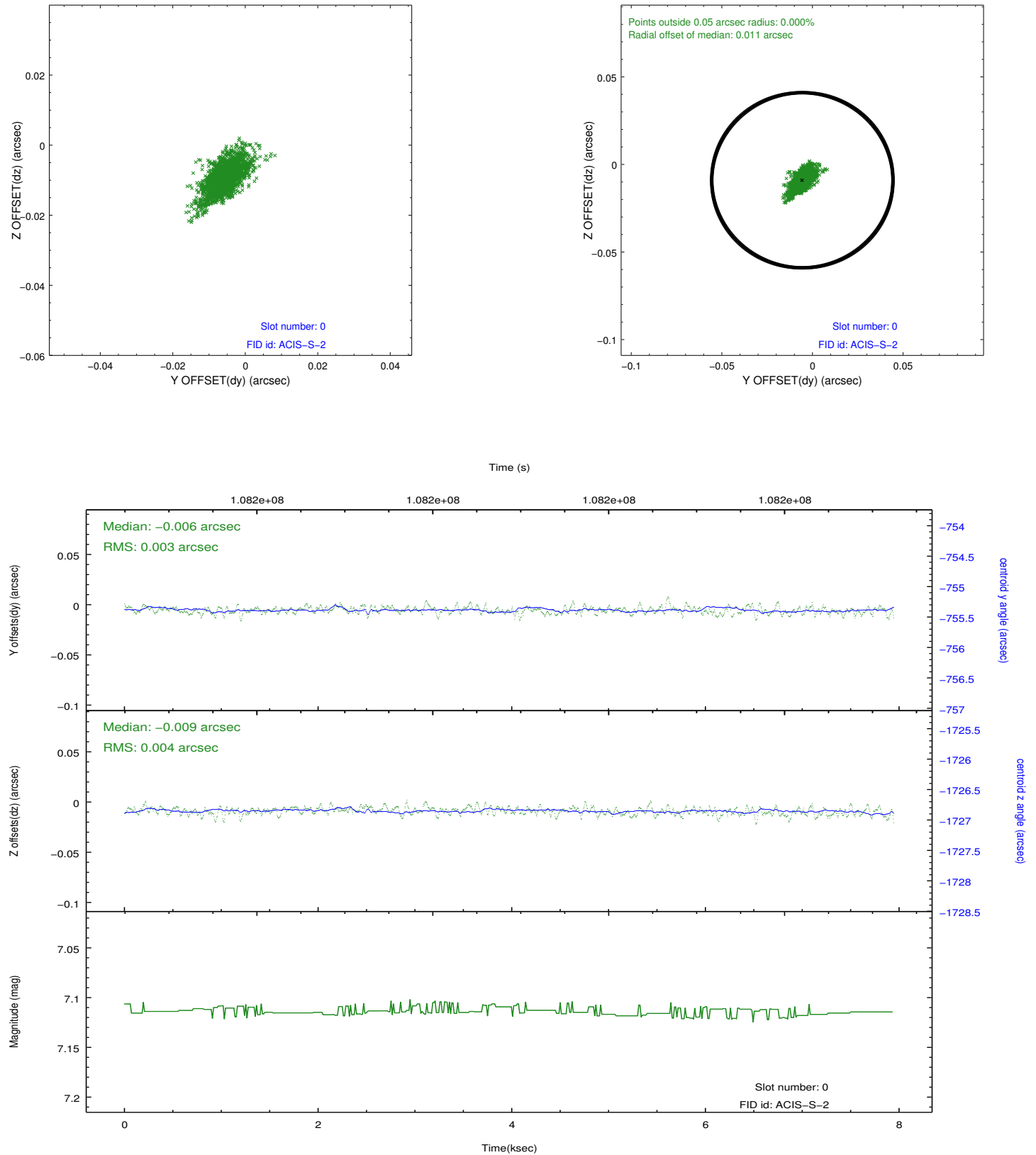


2.4.5 Slot 7

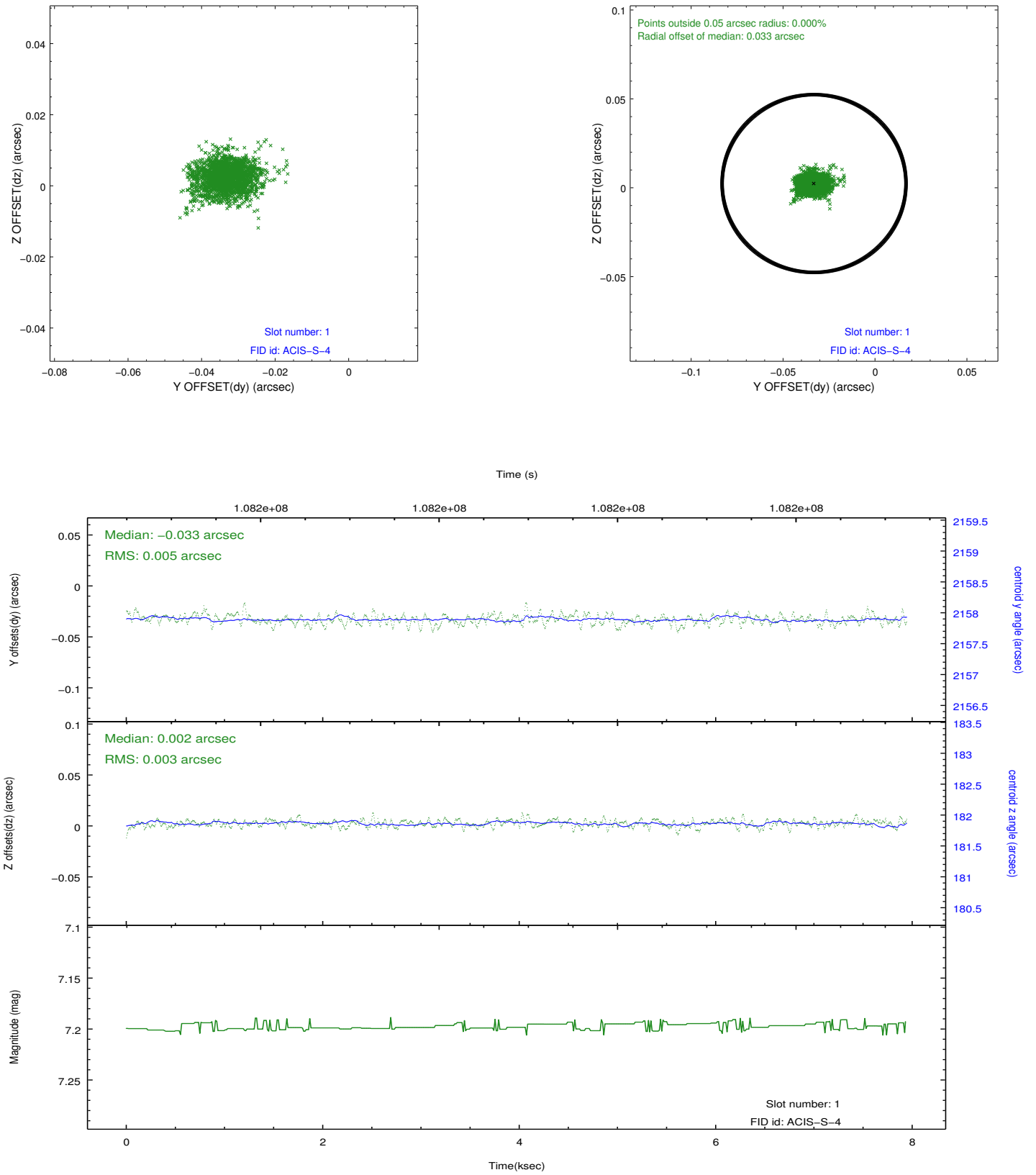


2.5 FID Slots

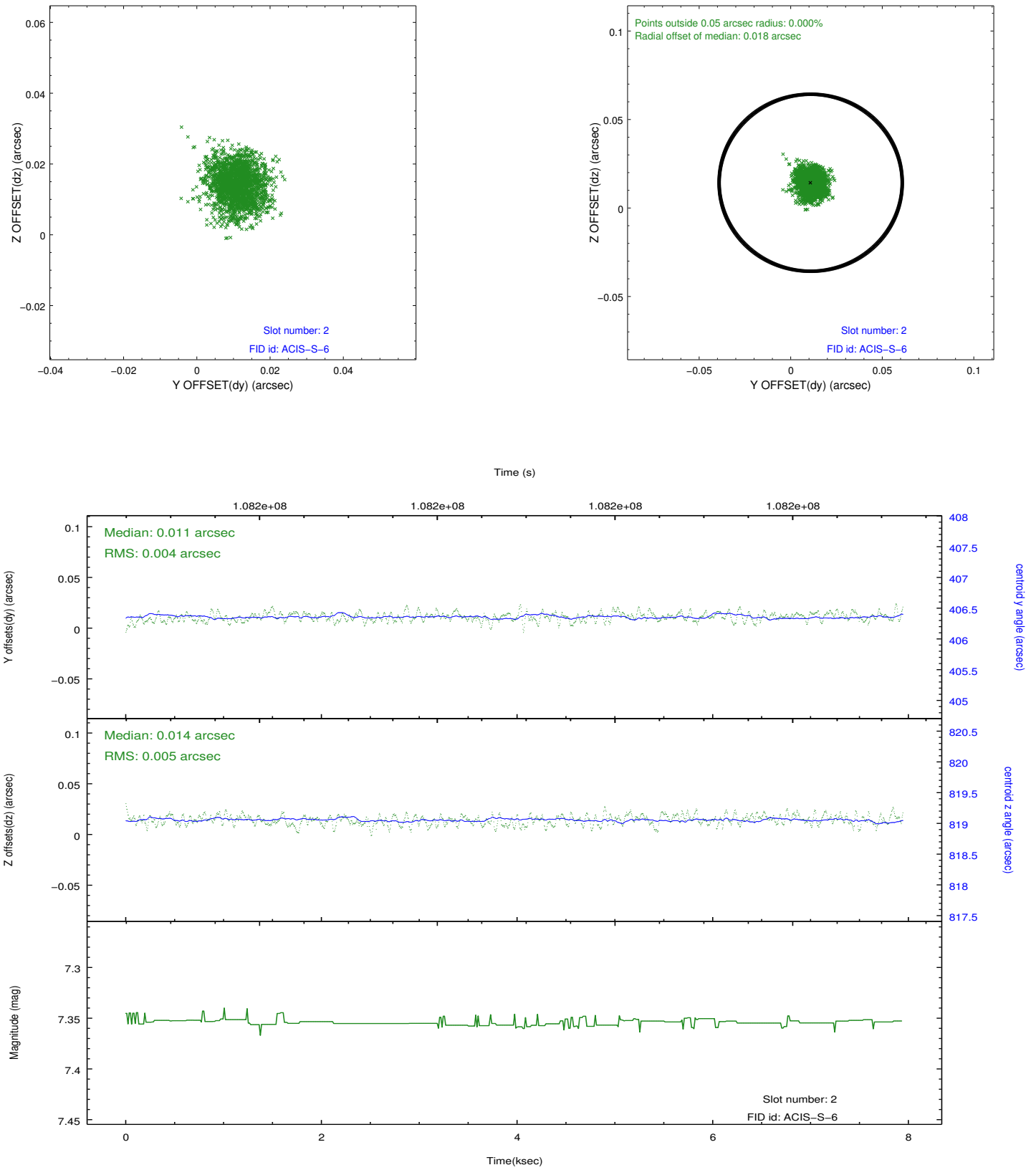
2.5.1 Slot 0



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	7.516

A.2 Comments

Window constraint OK.