

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1525 - L2 Version 3
Chandra X-Ray Center

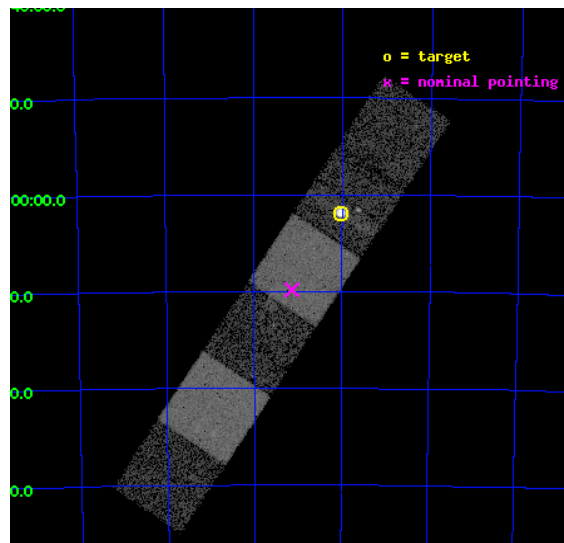
L2 Processing Date : Sep 4 2012

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1 Front

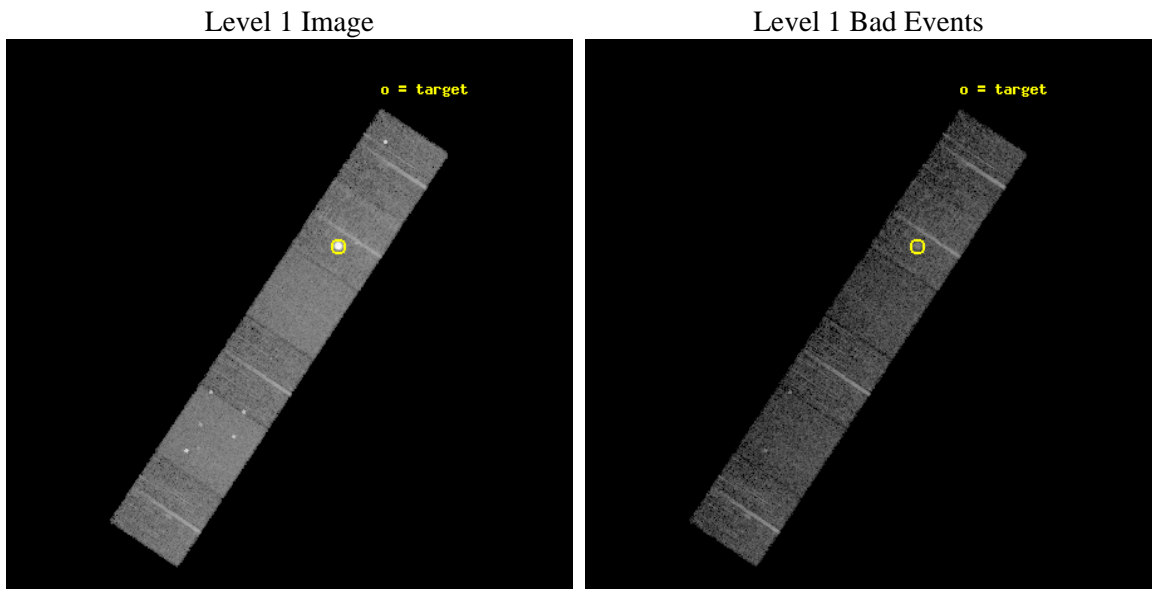
seq_num	590134	Sequence number
obs_id	1525	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S4, T=120, Offsets=-9,0,0]	Source name
dtcycle	0	
cycle	P	events from which 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	16.284825533698	Nominal RA [deg]
dec_nom	-72.164042334153	Nominal Dec [deg]
roll_nom	303.54639225341	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7756.8000072092	Sum of GTIs [s]
livetime	7658.5787349337	Livetime [s]
ontime4	7756.8000072092	Sum of GTIs [s]
ontime5	7756.8000072092	Sum of GTIs [s]
ontime6	7756.8000072092	Sum of GTIs [s]
ontime7	7756.8000072092	Sum of GTIs [s]
ontime8	7756.8000072092	Sum of GTIs [s]
ontime9	7756.8000072092	Sum of GTIs [s]
l2events	103639	Number of level 2 events



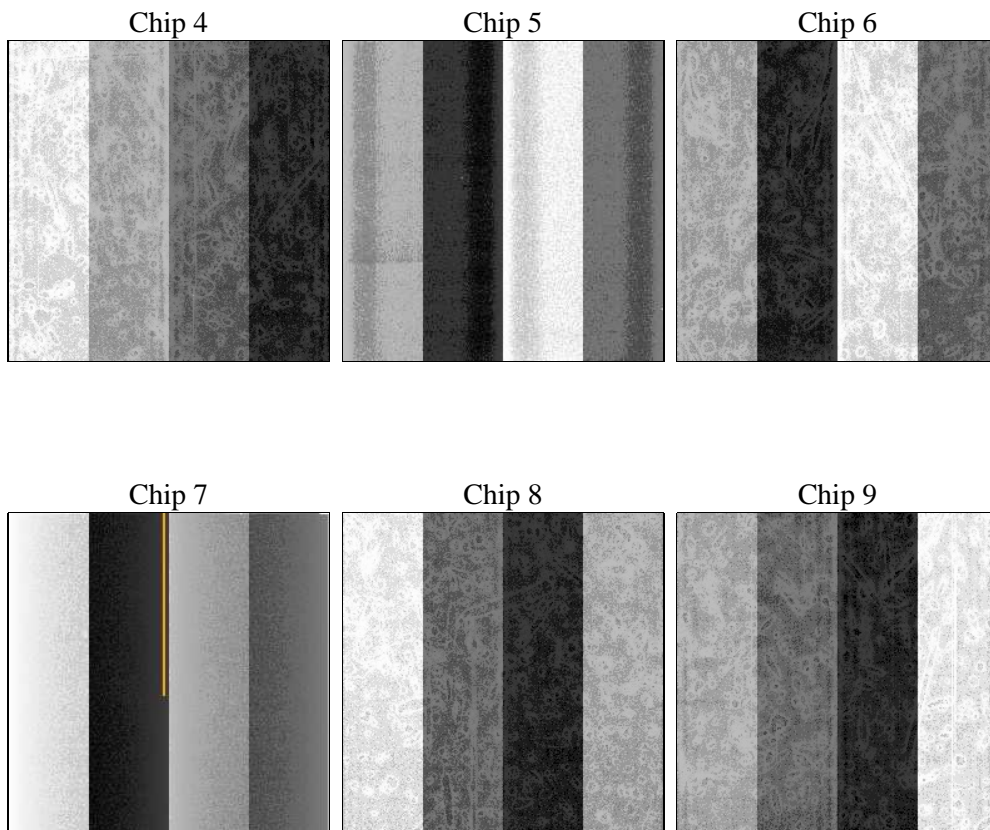
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7756.8000072092	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	7756.8000072092	Sum of GTIs [s]
date	2012-09-04T06:16:21	Date and time of file creation	ontime5	7756.8000072092	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7756.8000072092	Sum of GTIs [s]
			ontime7	7756.8000072092	Sum of GTIs [s]
			ontime8	7756.8000072092	Sum of GTIs [s]
			ontime9	7756.8000072092	Sum of GTIs [s]
			l1events	363760	Number of level 1 events

2.1.4 Events

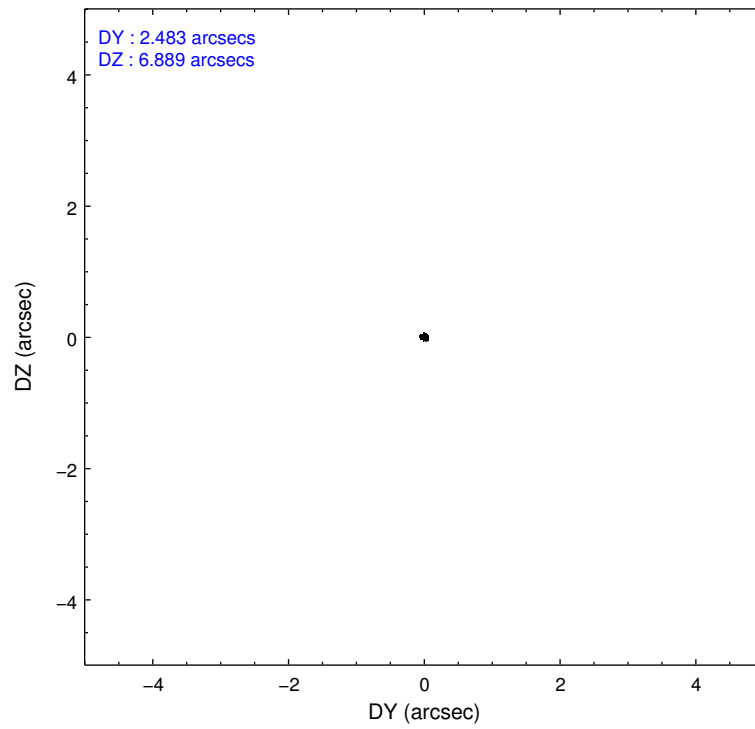
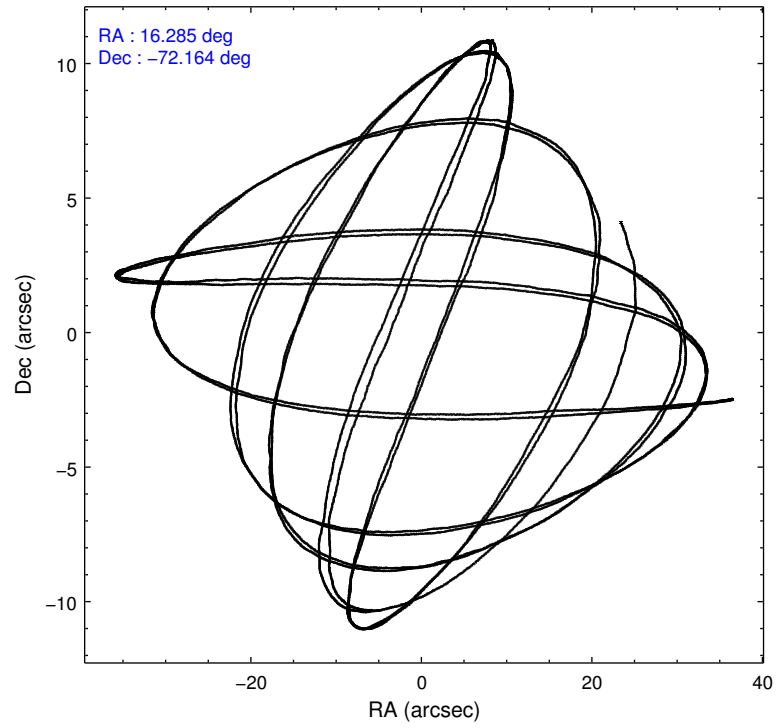
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	50626	68849	47605	60982	89337	46361
rejected events	45048	35124	40974	33872	48755	38527
rejected %	88%	51%	86%	55%	54%	83%

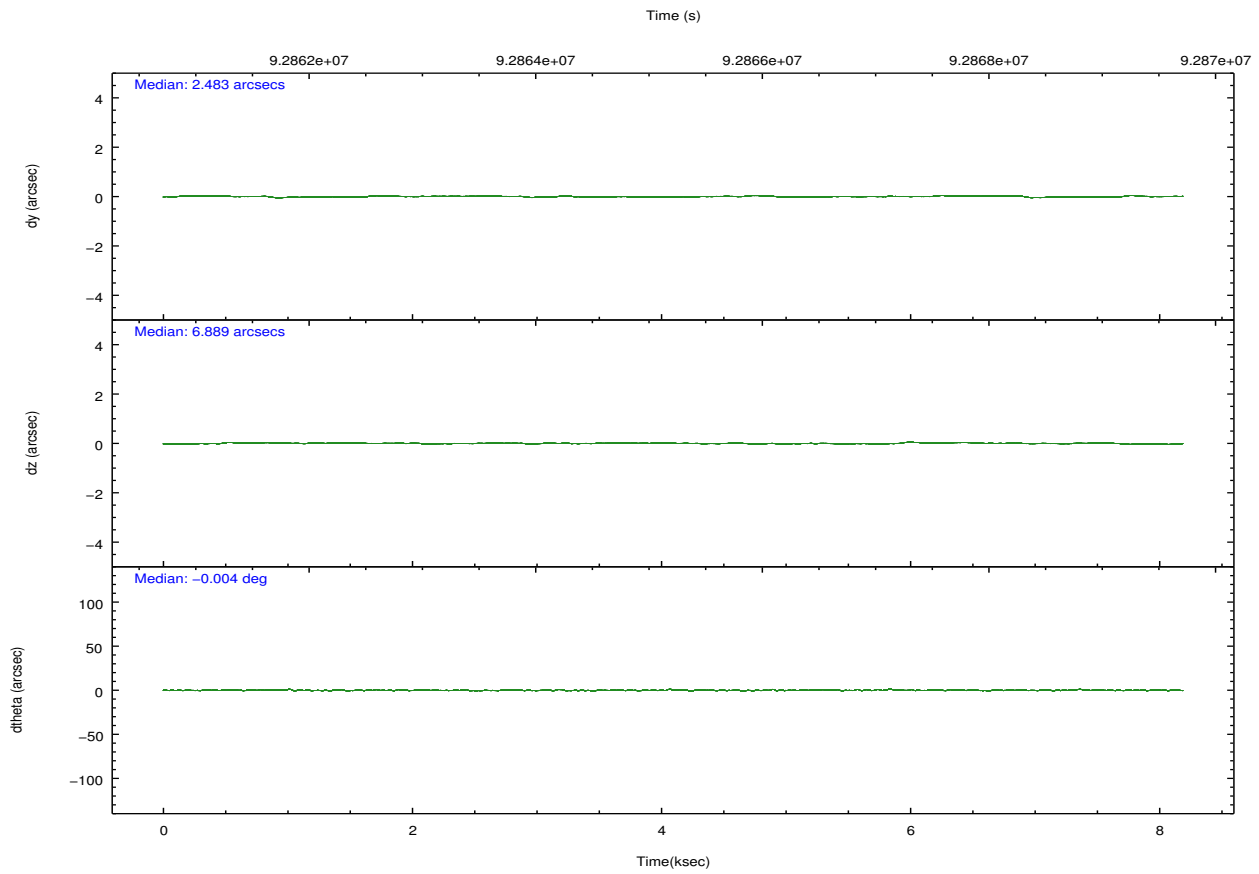
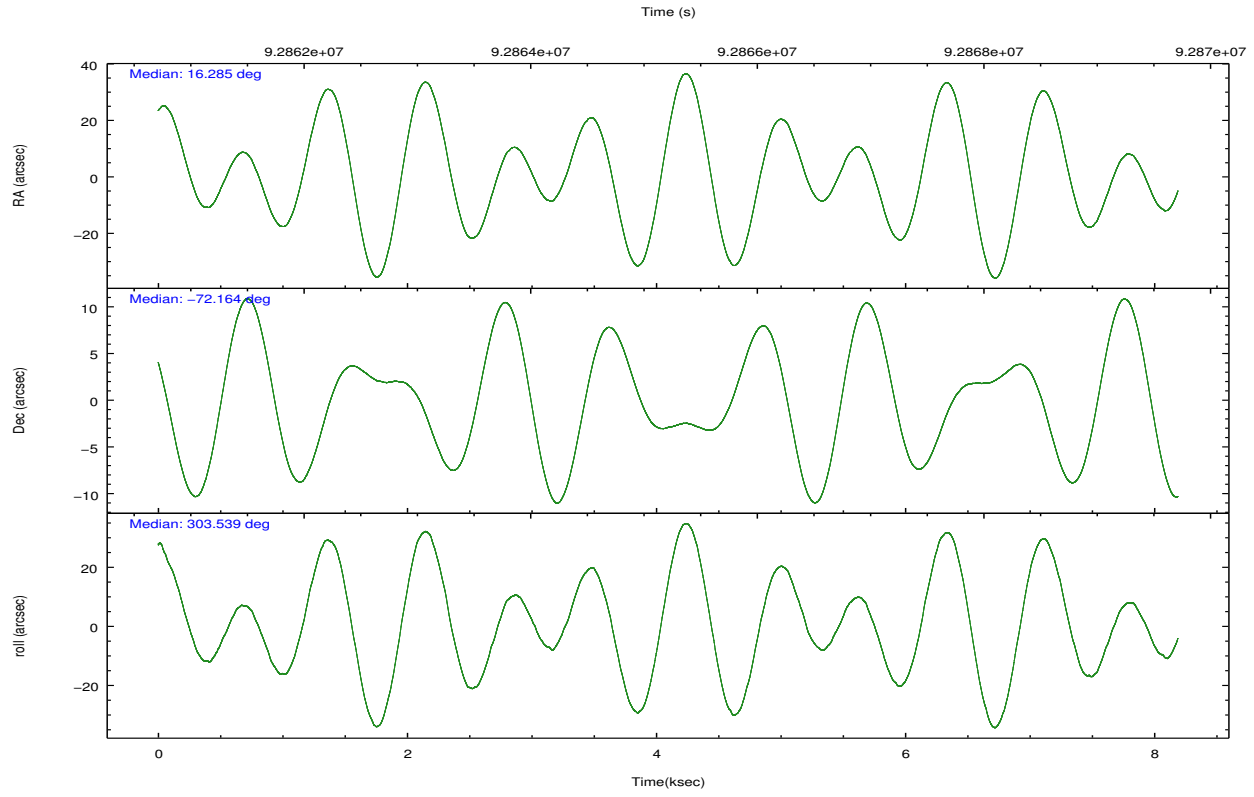
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2378	4746	3486	3063	30059	4625
	4%	6%	7%	5%	33%	9%
grade 1 events	19	323	18	56	229	33
	0%	0%	0%	0%	0%	0%
grade 2 events	1257	10582	1057	5418	4326	1072
	2%	15%	2%	8%	4%	2%
grade 3 events	494	1459	551	2523	1660	511
	0%	2%	1%	4%	1%	1%
grade 4 events	492	1431	514	2488	1630	553
	0%	2%	1%	4%	1%	1%
grade 5 events	1621	5138	1917	5553	2385	1951
	3%	7%	4%	9%	2%	4%
grade 6 events	961	15521	1028	13625	2929	1081
	1%	22%	2%	22%	3%	2%
grade 7 events	43404	29649	39034	28256	46119	36535
	85%	43%	81%	46%	51%	78%

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	16.204644	16.28482553369793	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.152015	-72.1640423341529	Alternating exposures requested	N	N
[deg] Pointing Roll	303.313441	303.5463922534143	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	92016064.184000	92016064.184000			
[s] Window stop time (MET)	94608064.184000	94608064.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	92861308.184000	92860931.906122			
Observation start date	2000-12-10T18:47:24	2000-12-10T18:42:11			
[s] Observation end time (MET)	92869308.184000	92869441.96894801			
Observation end date	2000-12-10T21:00:44	2000-12-10T21:04:01			
Read mode	TIMED	TIMED			

2.3 Aspect



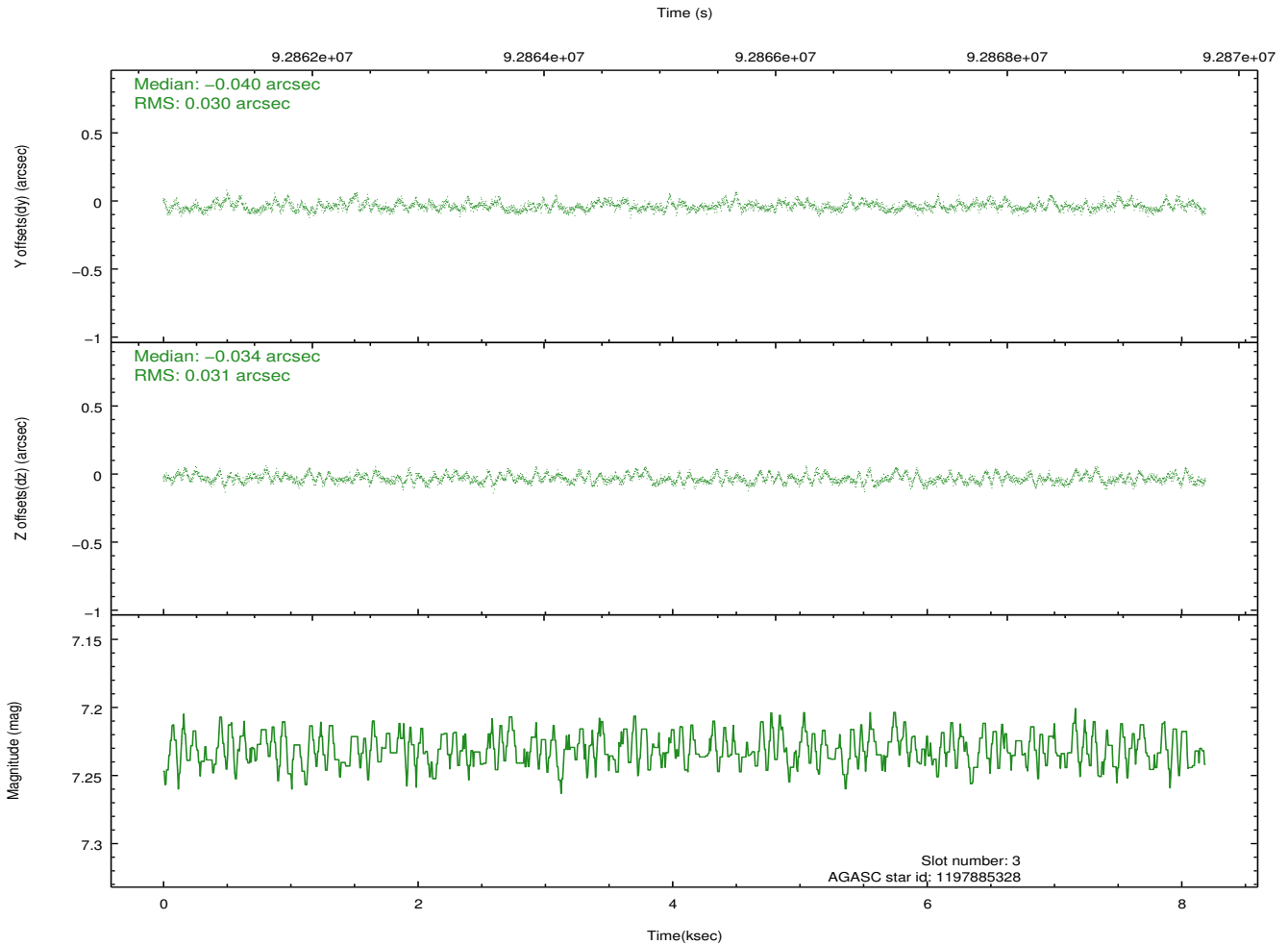
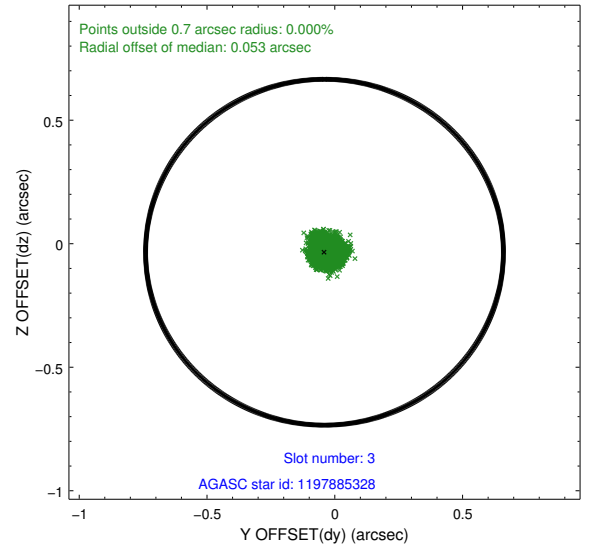
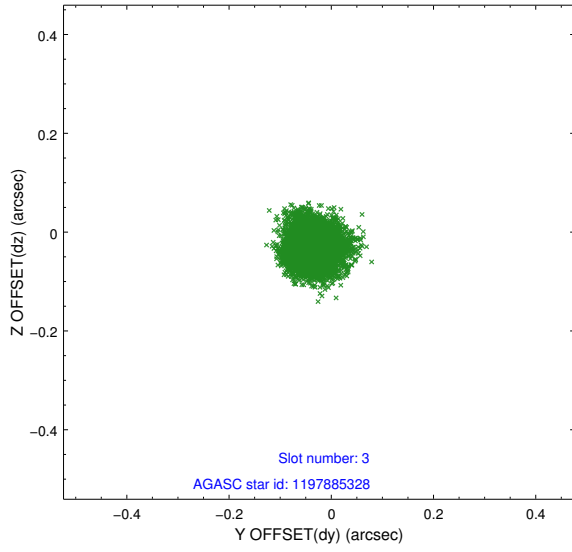


Slot Statistics

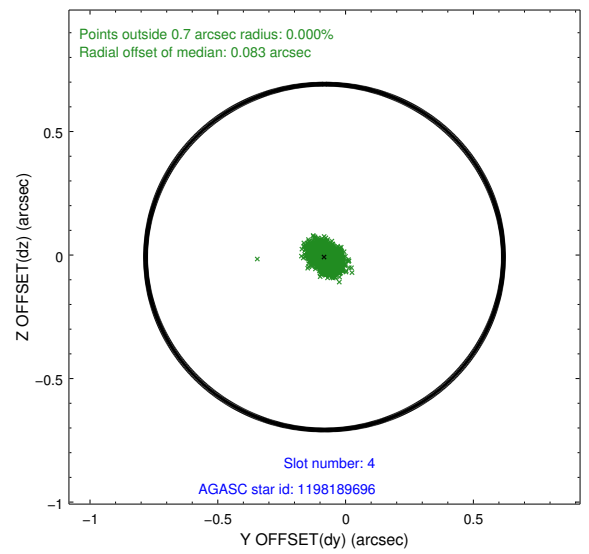
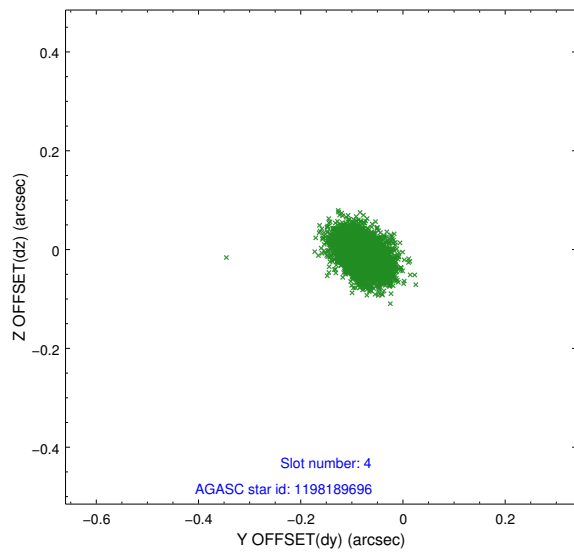
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1998	-0.021	-0.002	0.007	0.012	0.000000	0.000000	-755.14	-1728.05
1	FID	ACIS-S-4	7.20	1998	-0.023	0.011	0.006	0.010	0.000000	0.000000	2157.84	179.73
2	FID	ACIS-S-5	7.24	1998	0.014	0.000	0.007	0.011	0.000000	0.000000	-1807.06	174.19
3	GUIDE	1197885328	7.23	3996	-0.040	-0.034	0.047	0.075	16.283090	-71.733943	-1209.69	900.66
4	GUIDE	1198189696	7.36	3996	-0.083	-0.008	0.042	0.069	15.223750	-72.697522	1070.95	-1960.38
5	GUIDE	1197750936	7.55	3996	-0.017	-0.055	0.045	0.076	15.387940	-71.549550	-2318.49	409.47
6	GUIDE	1197884536	8.50	3996	0.035	0.059	0.055	0.089	17.160729	-71.835289	-357.65	1518.51
7	GUIDE	1197884712	8.29	3995	0.102	0.040	0.052	0.085	16.087398	-72.252690	231.91	-306.00

2.4 Star Slots

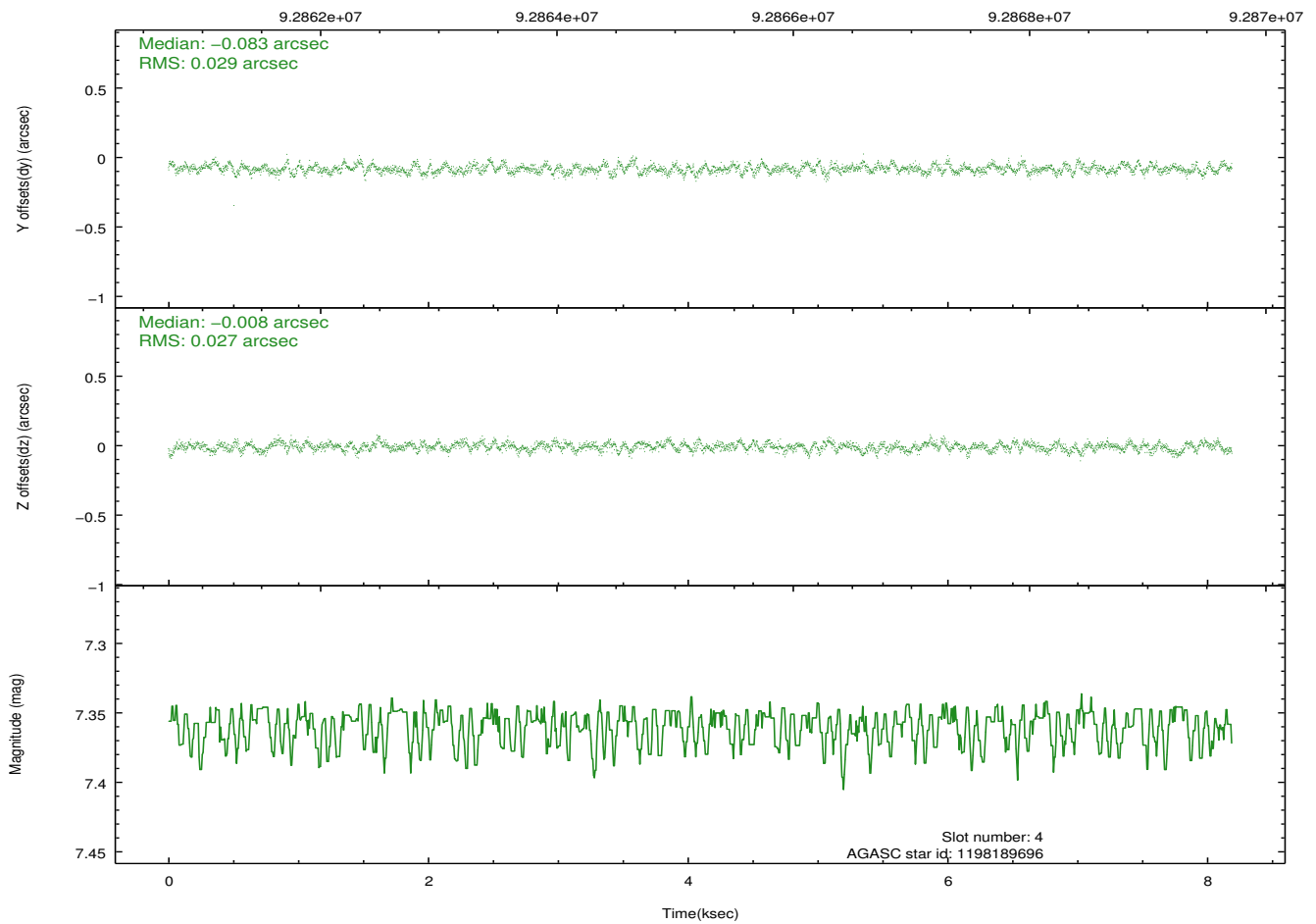
2.4.1 Slot 3



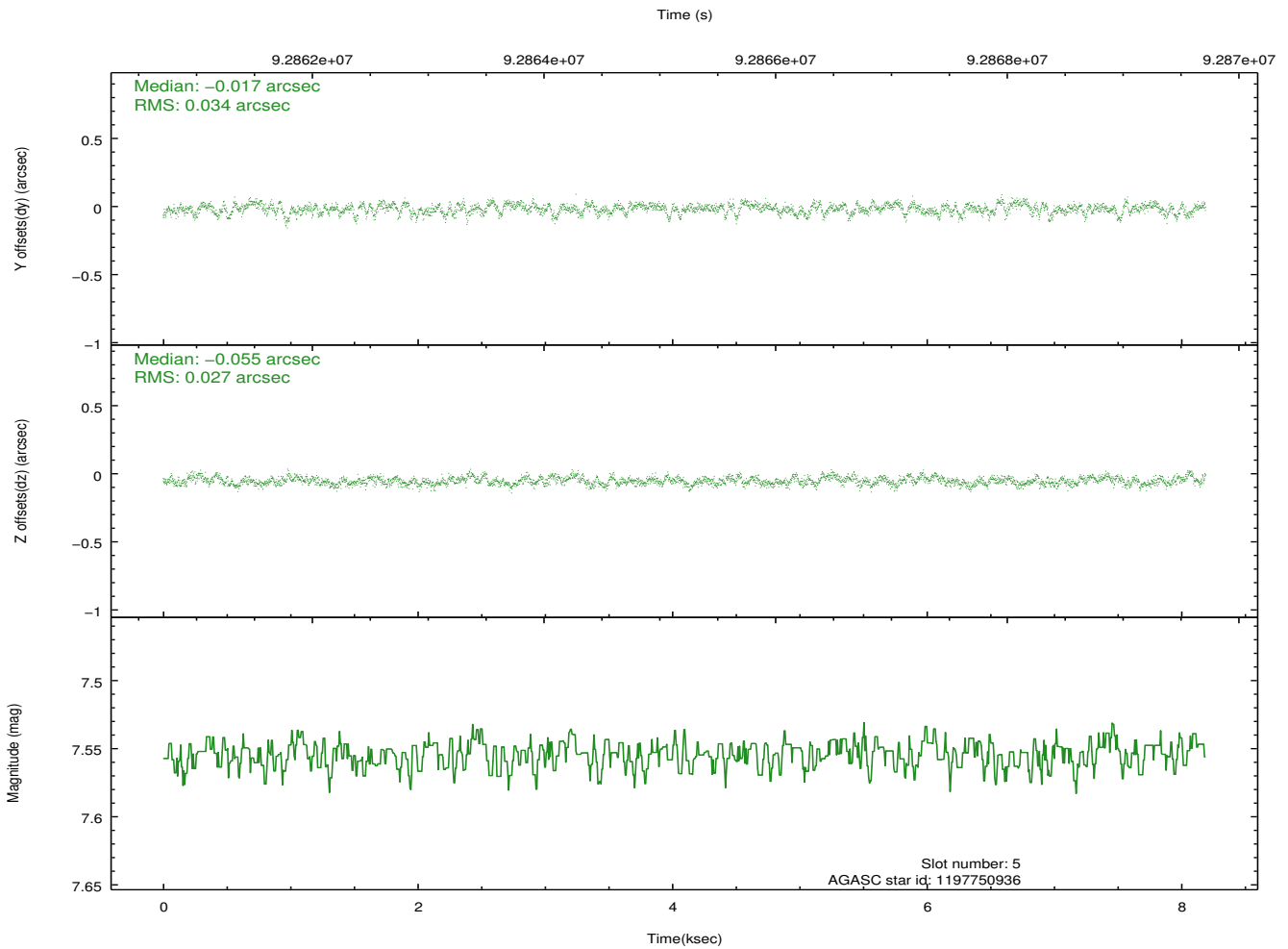
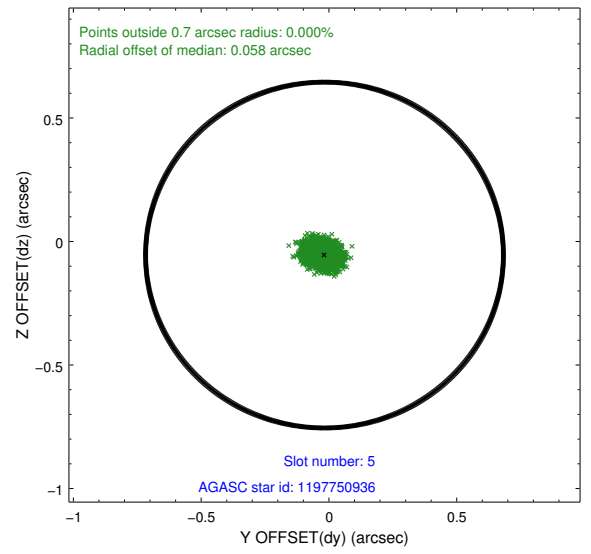
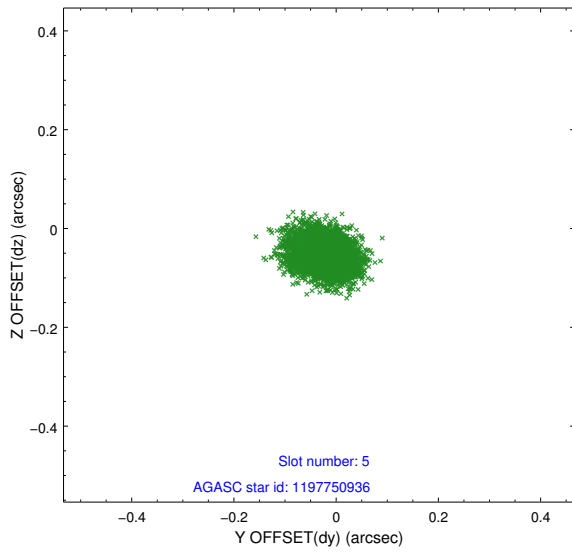
2.4.2 Slot 4



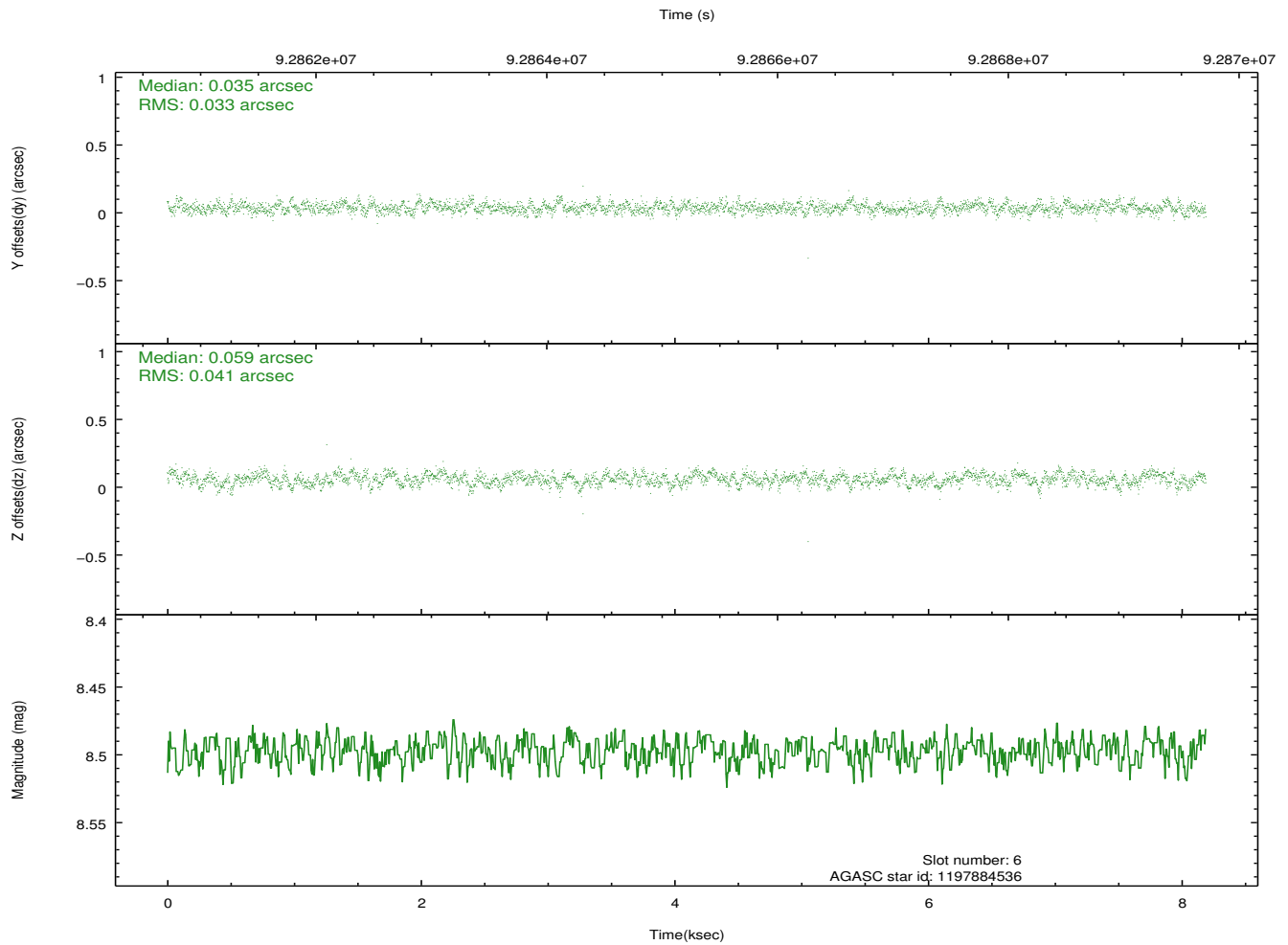
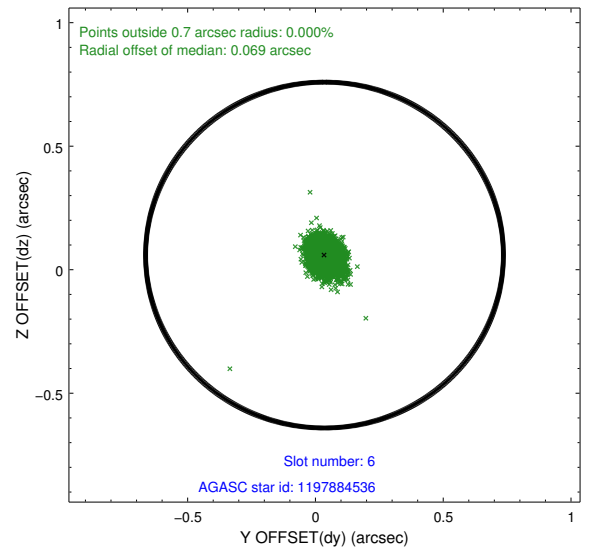
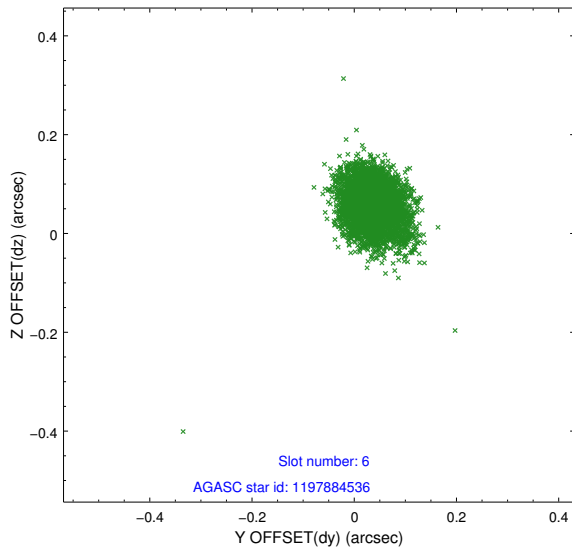
Time (s)



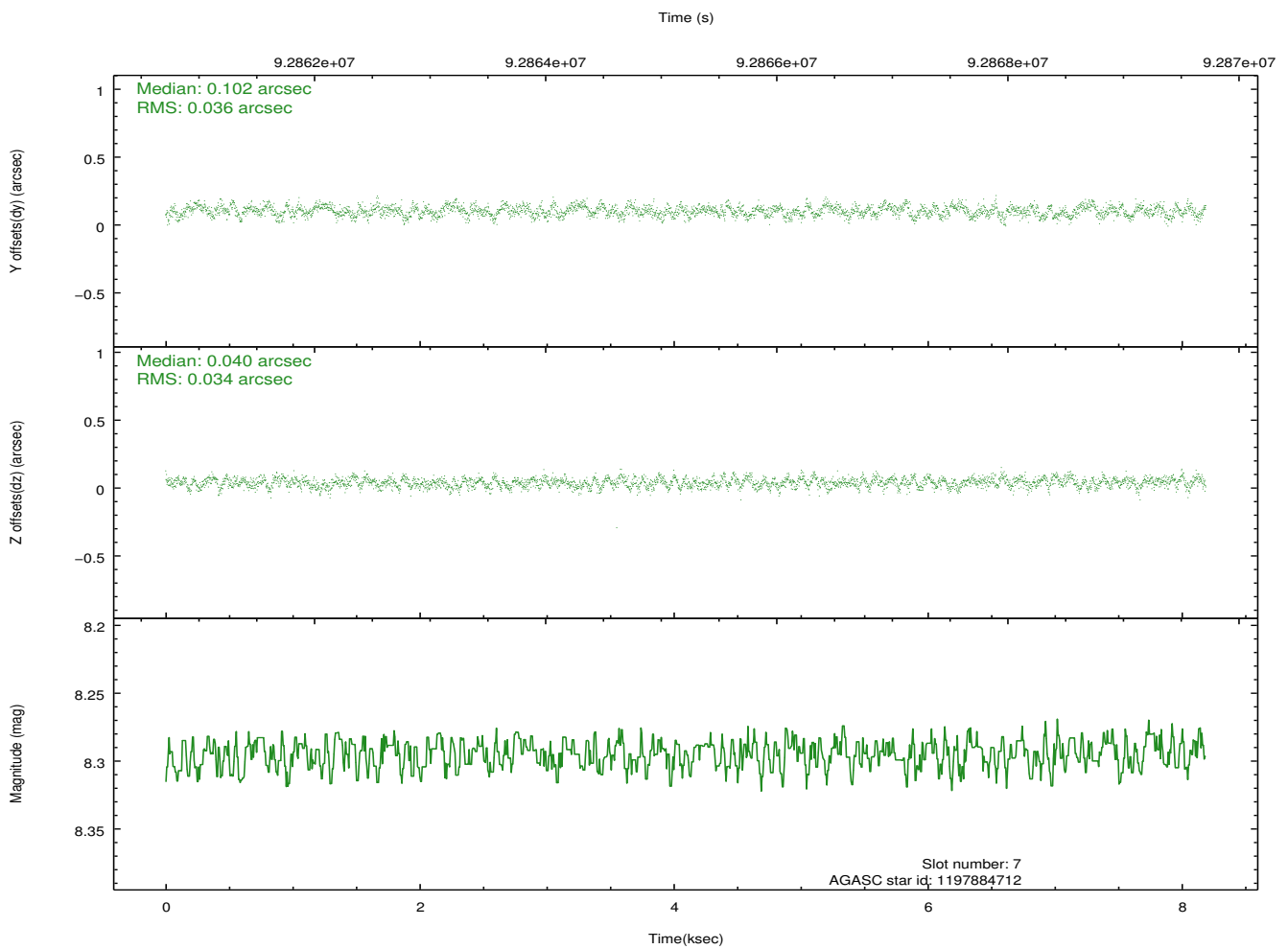
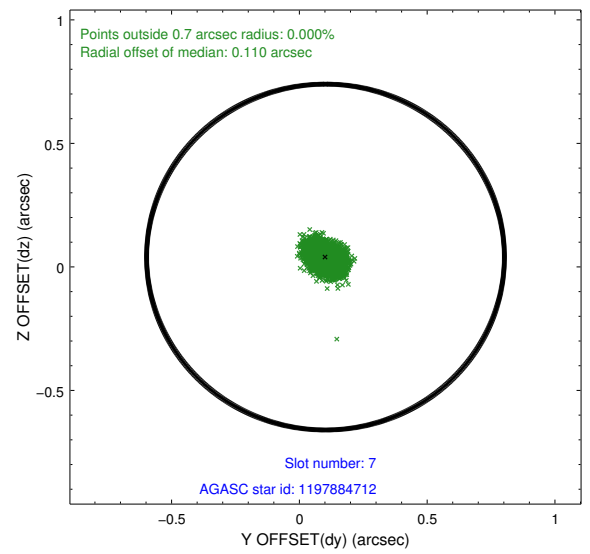
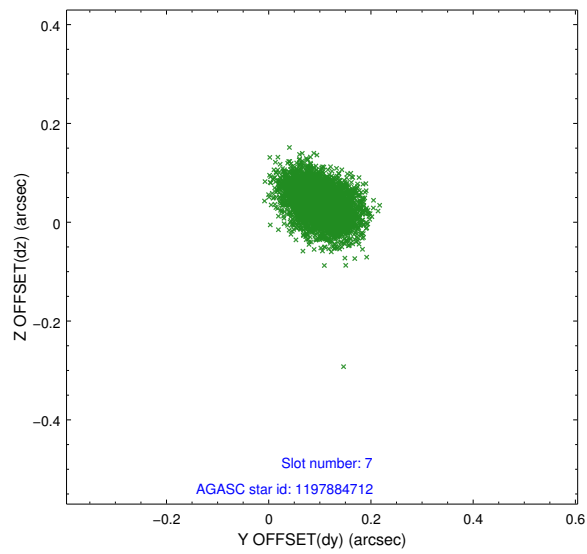
2.4.3 Slot 5



2.4.4 Slot 6

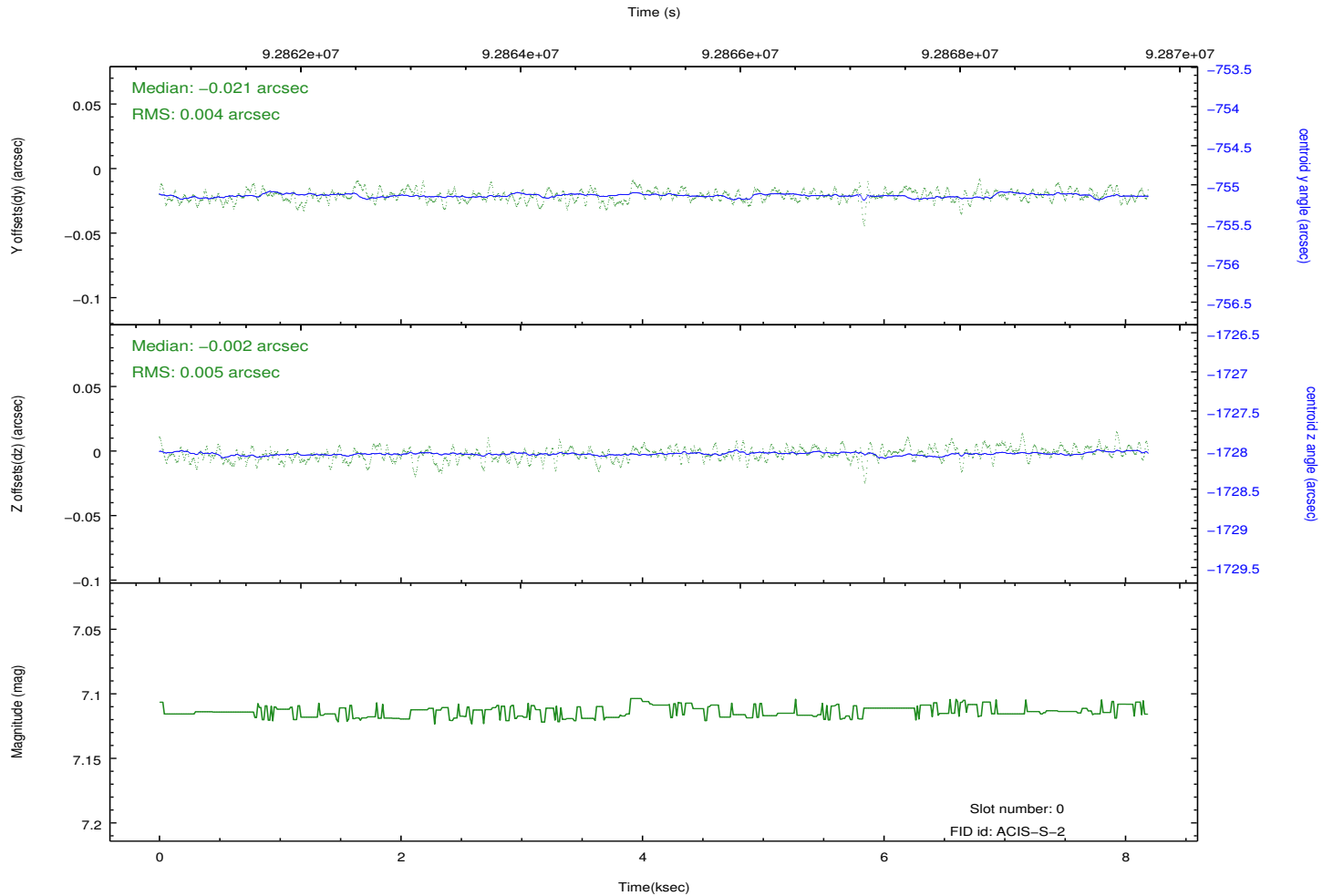
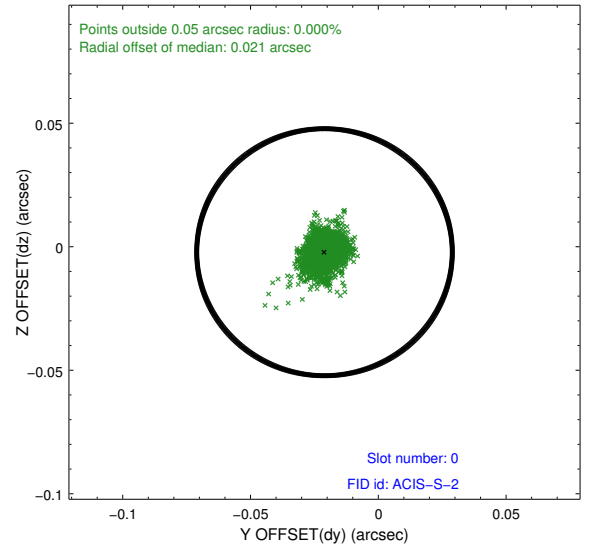
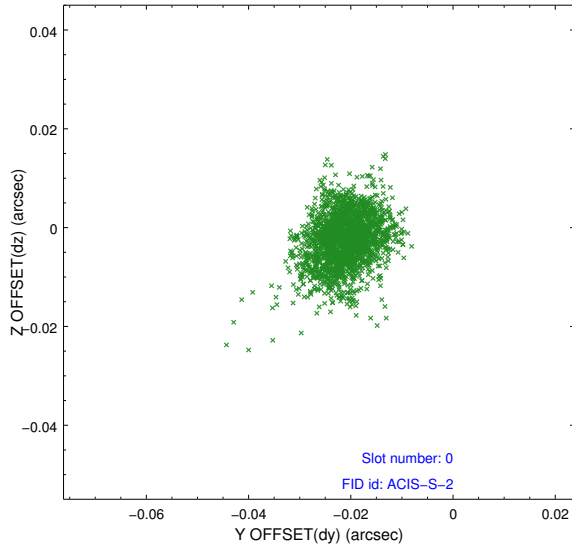


2.4.5 Slot 7

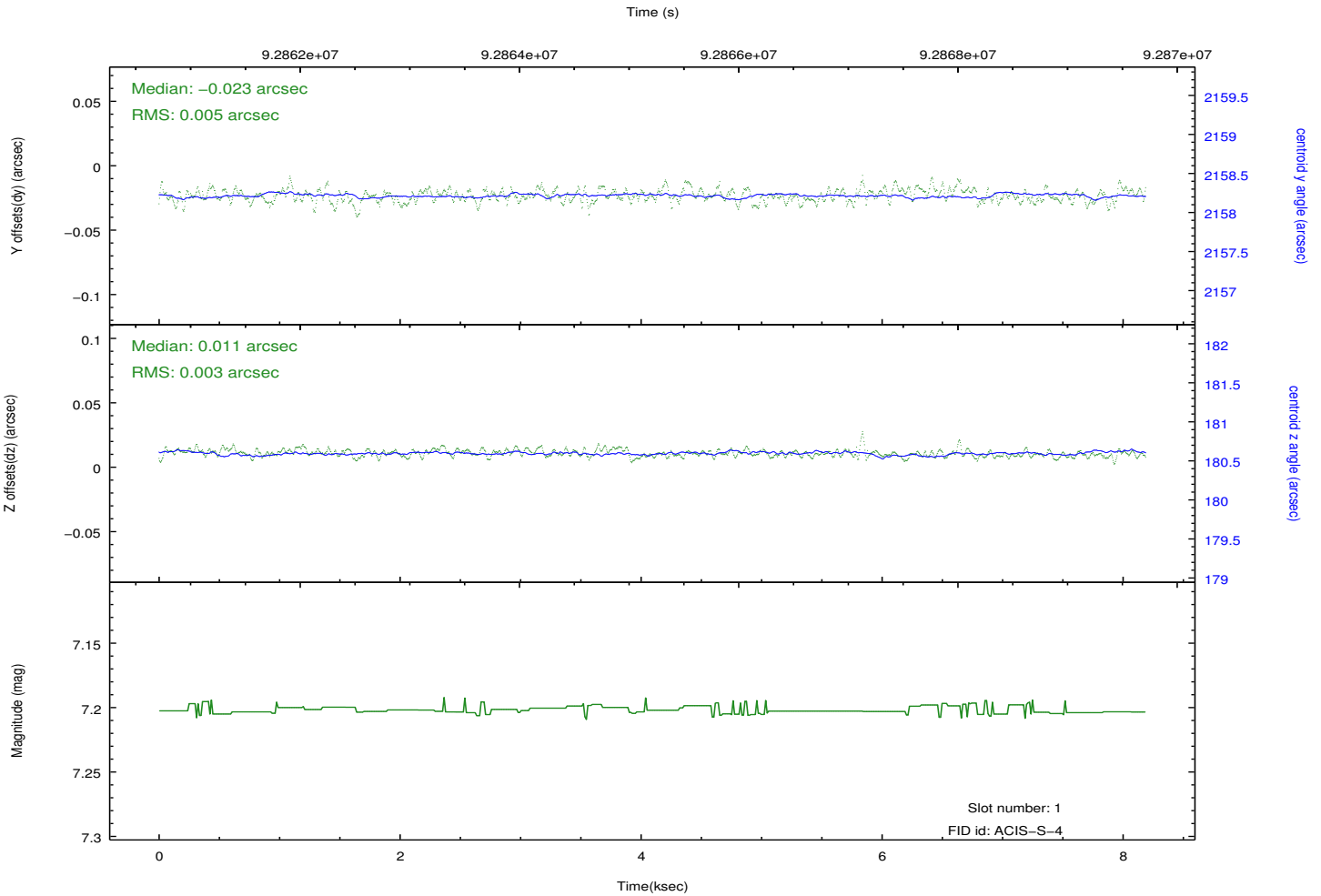
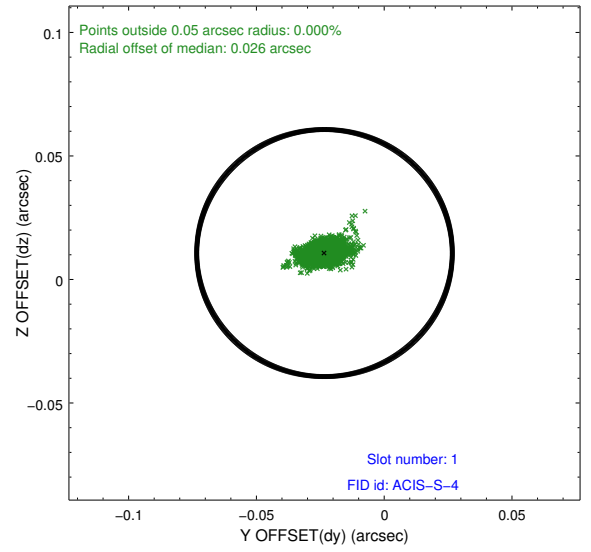
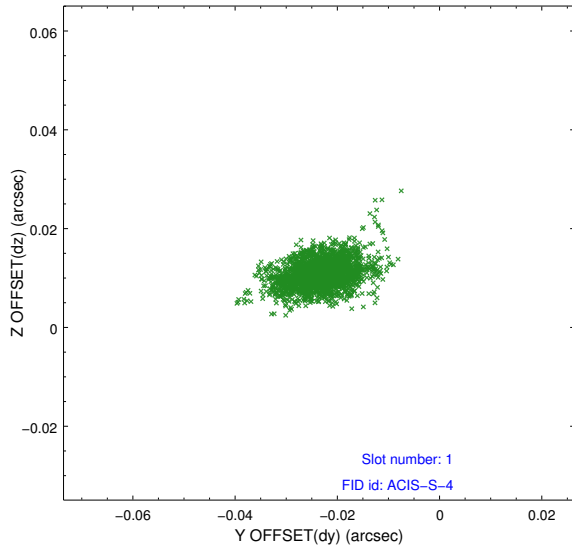


2.5 FID Slots

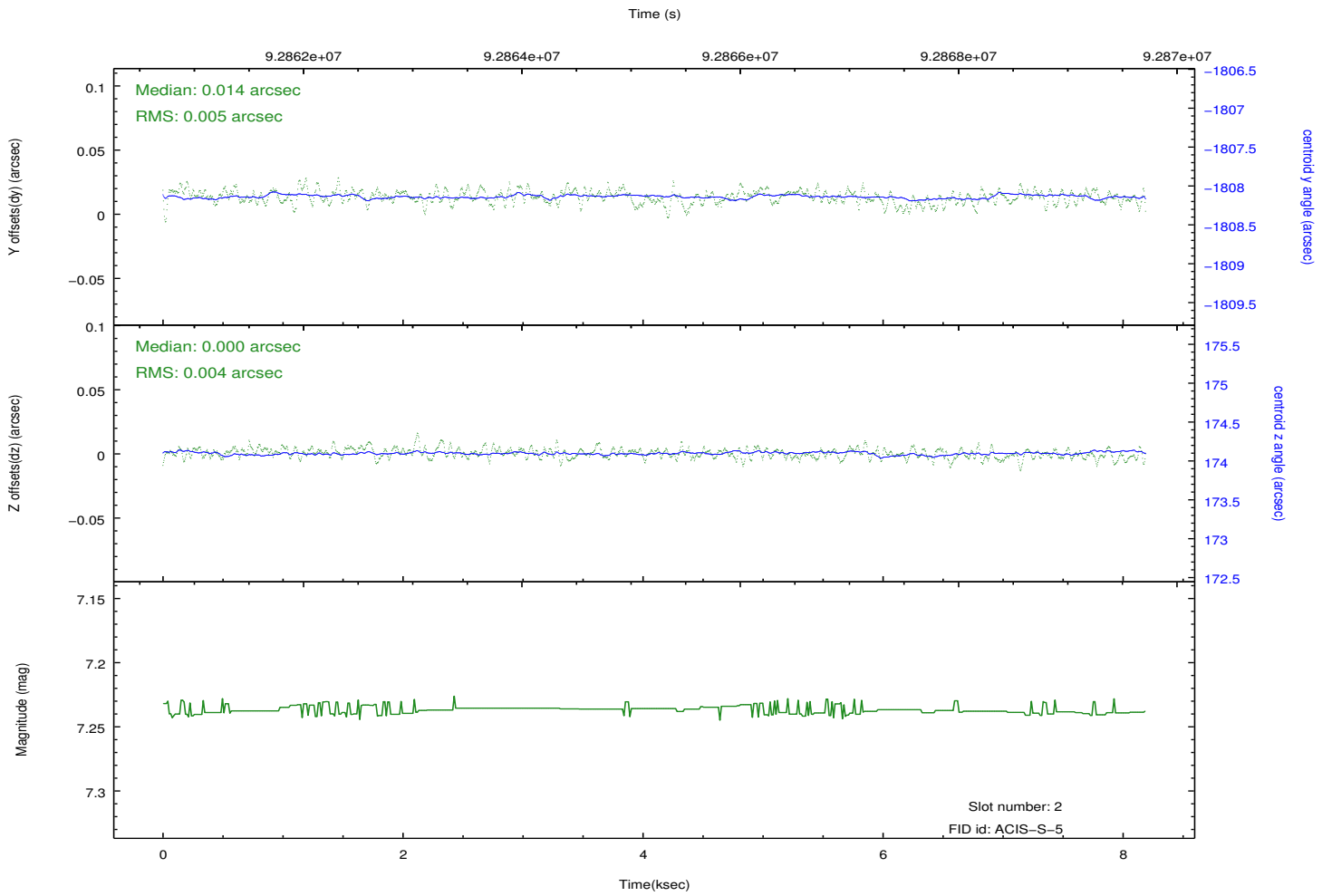
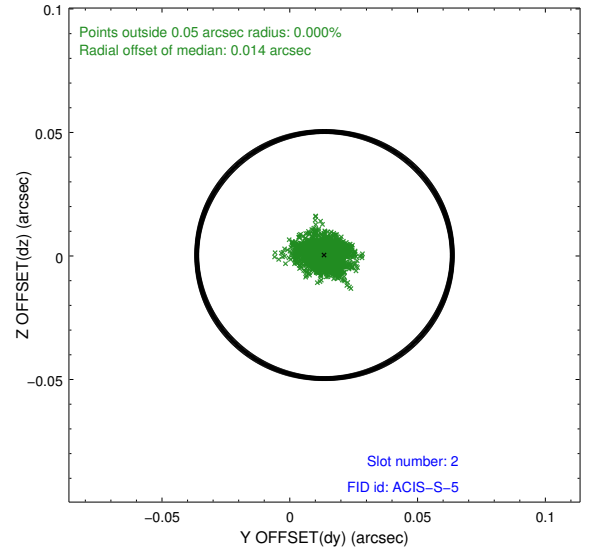
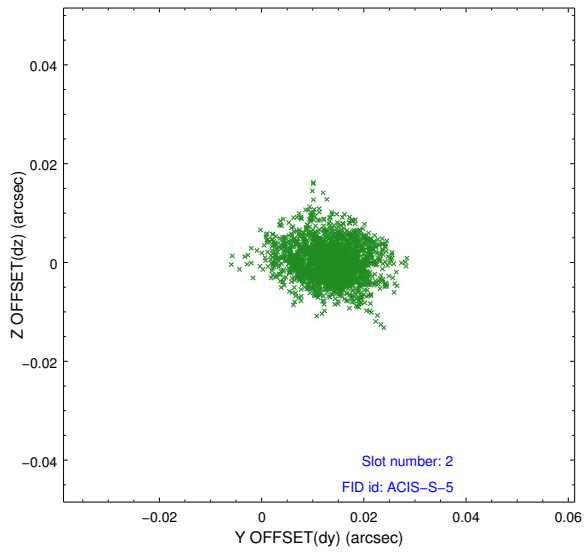
2.5.1 Slot 0



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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.76

A.2 Comments

Window preference met.