

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3369 - L2 Version 3
Chandra X-Ray Center

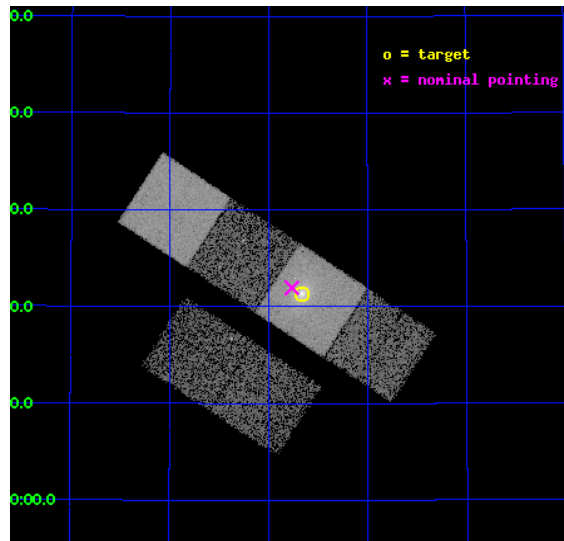
L2 Processing Date : Sep 25 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

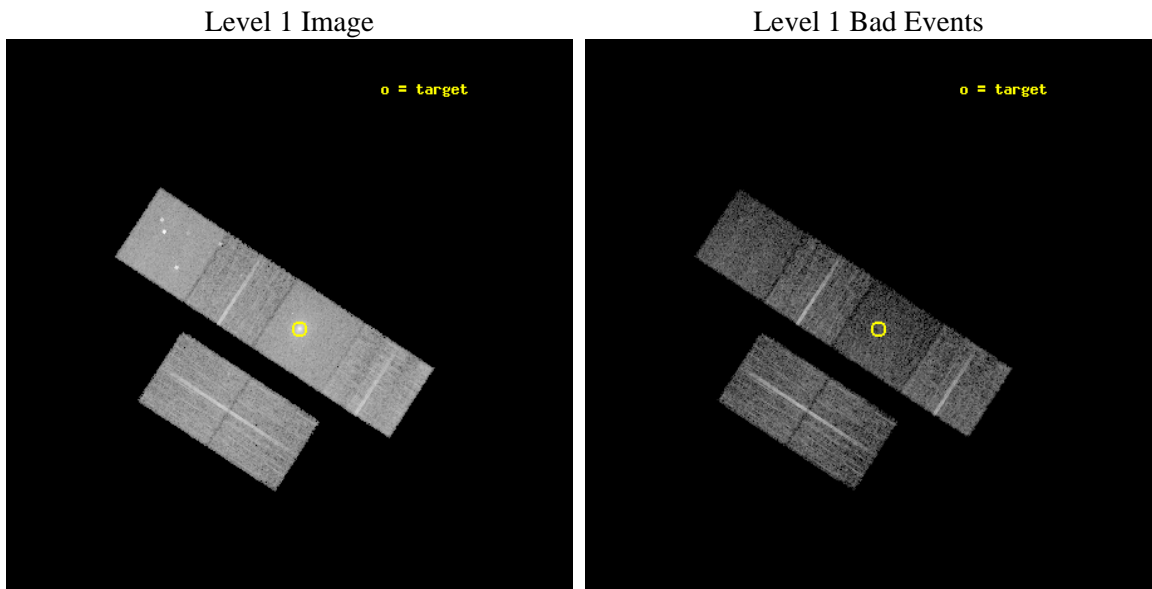
seq_num	800293	Sequence number
obs_id	3369	Observation id
title	THE INTERACTION BETWEEN RADIO GALAXIES AND ICM IN THE CORES OF CLUSTERS	Proposal title
observer	Dr Alastair Edge	Principal investigator
object	A1361	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.914583	Observer's specified target RA [deg]
dec_targ	46.356111	Observer's specified target Dec [deg]
ra_nom	175.94111391709	Nominal RA [deg]
dec_nom	46.365941533334	Nominal Dec [deg]
roll_nom	33.094509401941	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8444.8000078499	Sum of GTIs [s]
livetime	8337.8668653024	Livetime [s]
ontime2	8444.8000078499	Sum of GTIs [s]
ontime3	8444.8000078499	Sum of GTIs [s]
ontime5	8444.8000078499	Sum of GTIs [s]
ontime6	8444.8000078499	Sum of GTIs [s]
ontime7	8444.8000078499	Sum of GTIs [s]
ontime8	8444.8000078499	Sum of GTIs [s]
l2events	106271	Number of level 2 events



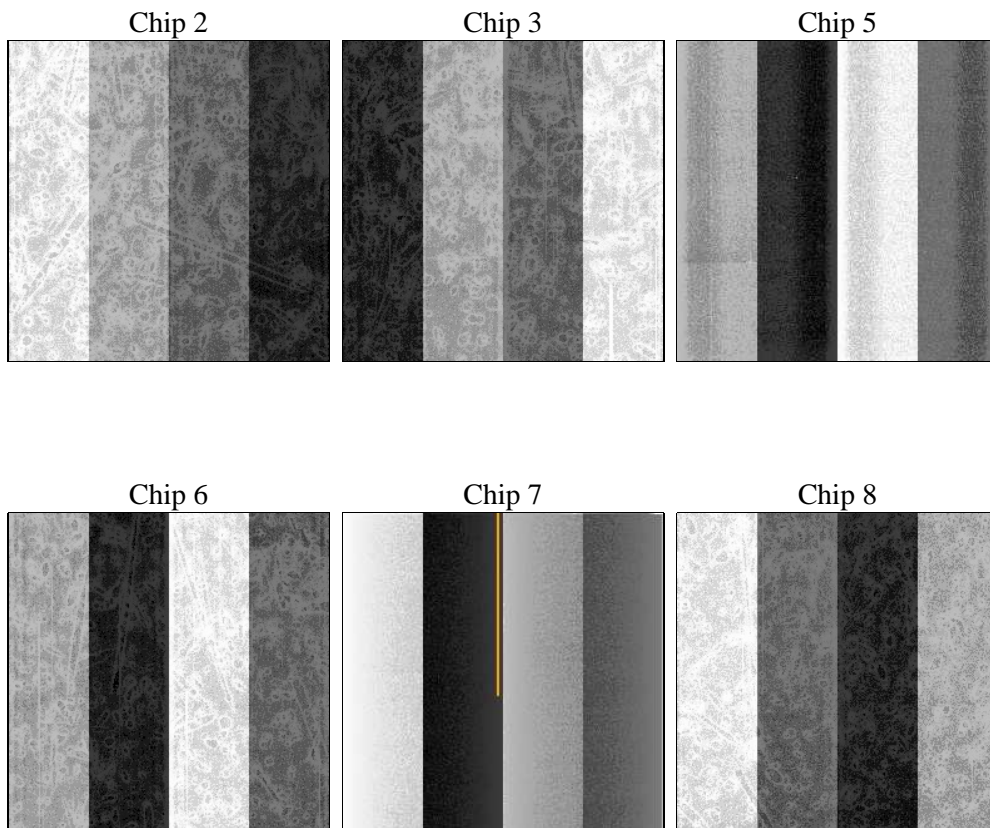
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8444.8000078499	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	8444.8000078499	Sum of GTIs [s]
date	2012-09-26T00:02:18	Date and time of file creation	ontime3	8444.8000078499	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	8444.8000078499	Sum of GTIs [s]
			ontime6	8444.8000078499	Sum of GTIs [s]
			ontime7	8444.8000078499	Sum of GTIs [s]
			ontime8	8444.8000078499	Sum of GTIs [s]
			l1events	371788	Number of level 1 events

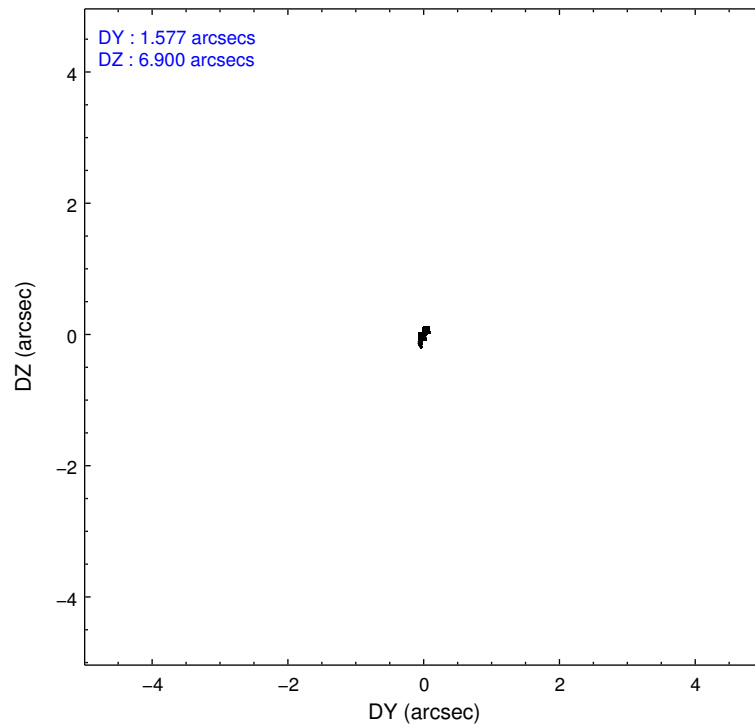
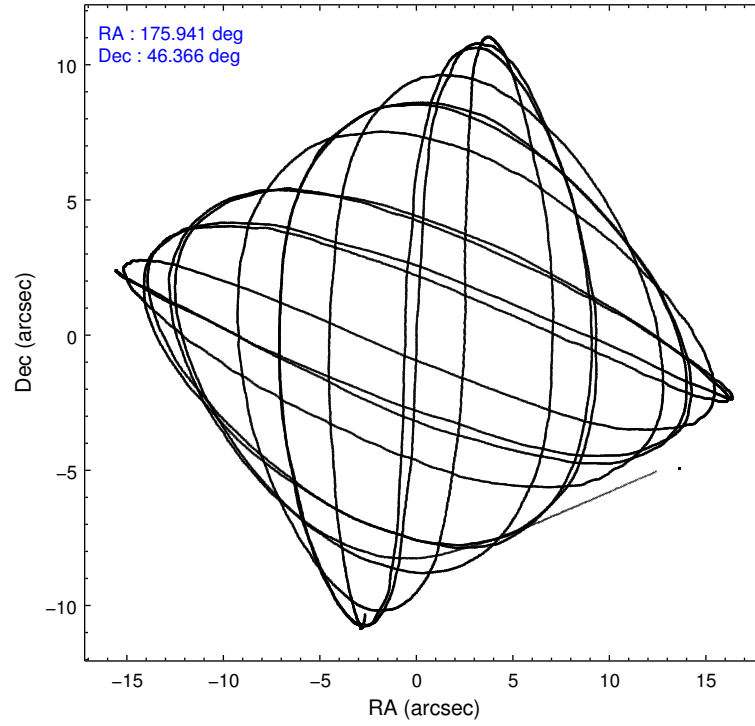
2.1.4 Events

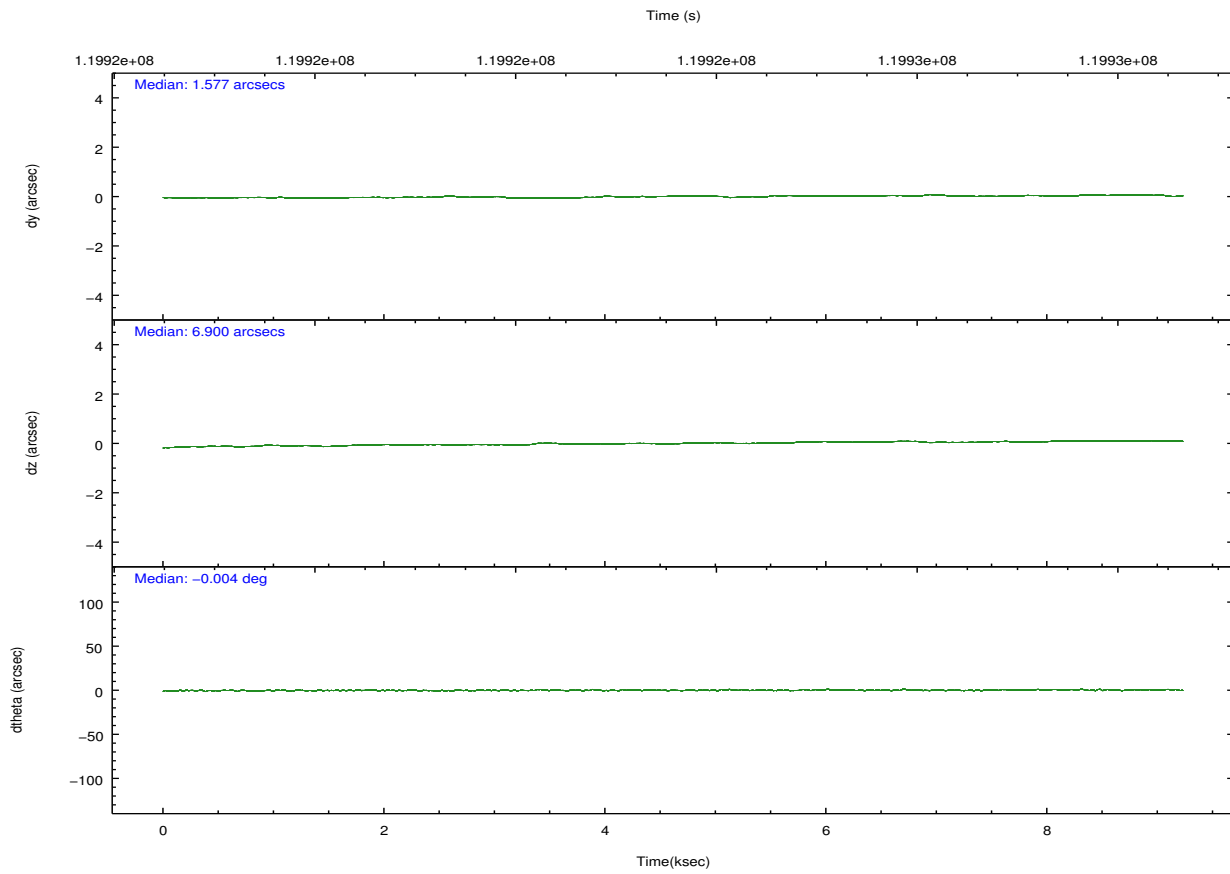
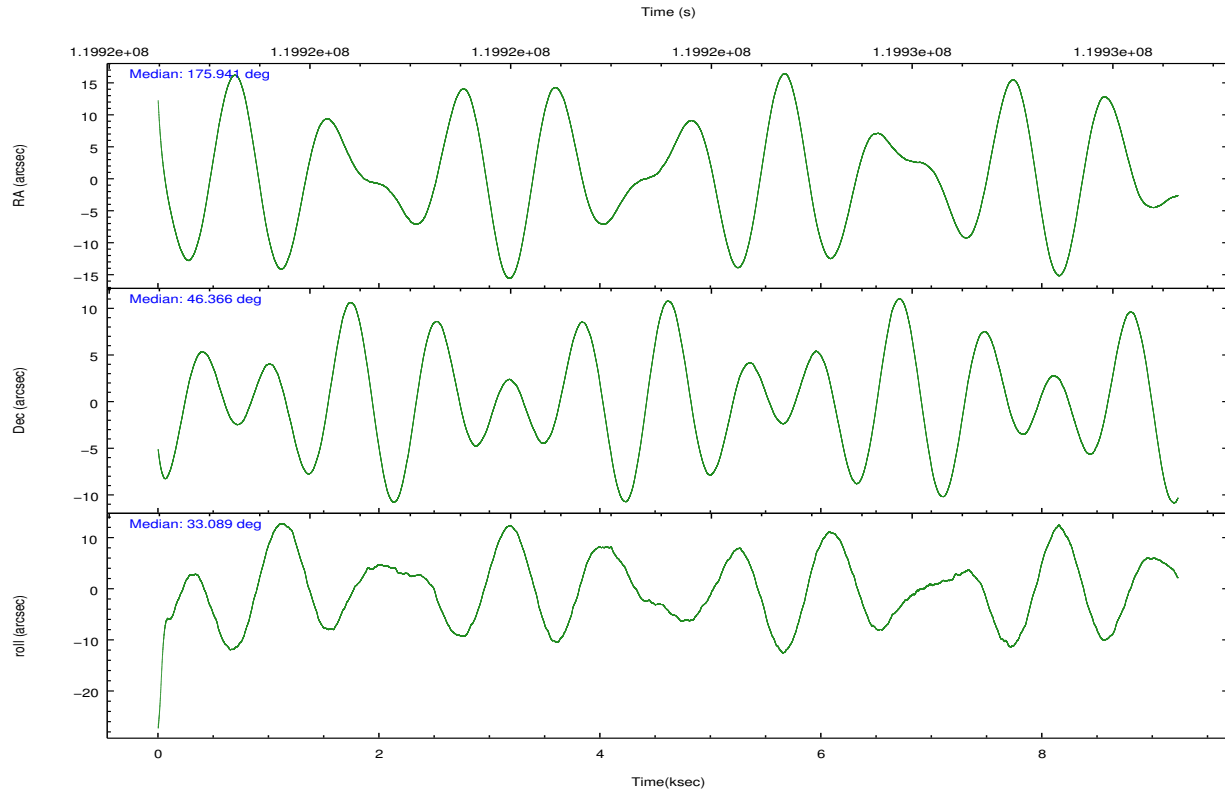
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	55993	50589	73566	51325	72976	67339	grade 0 events	2708	2471	8565	3405	7966	7308
rejected events	50009	45066	29973	44411	26335	46560		4%	4%	11%	6%	10%	10%
rejected %	89%	89%	40%	86%	36%	69%	grade 1 events	24	19	111	26	46	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	1286	1061	11815	1281	9994	3669
								2%	2%	16%	2%	13%	5%
							grade 3 events	529	518	2333	596	4679	2619
								0%	1%	3%	1%	6%	3%
							grade 4 events	513	509	2205	591	4479	2481
								0%	1%	2%	1%	6%	3%
							grade 5 events	1316	1584	5105	1754	5218	2401
								2%	3%	6%	3%	7%	3%
							grade 6 events	950	966	18682	1043	19535	4704
								1%	1%	25%	2%	26%	6%
							grade 7 events	48667	43461	24750	42629	21059	44103
								86%	85%	33%	83%	28%	65%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	175.923697	175.9411139170856	Subarray requested	NONE	NONE
[deg] Pointing Dec	46.341508	46.36594153333422	Alternating exposures requested	N	N
[deg] Pointing Roll	32.950502	33.0945094019414	[s] Primary exposure time	0.000000	3.2
[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)	119919685.184000	119918445.79715			
Observation start date	2001-10-19T23:00:21	2001-10-19T22:40:45			
[s] Observation end time (MET)	119928185.184000	119929118.61008			
Observation end date	2001-10-20T01:22:01	2001-10-20T01:38:38			
Read mode	TIMED	TIMED			

2.3 Aspect



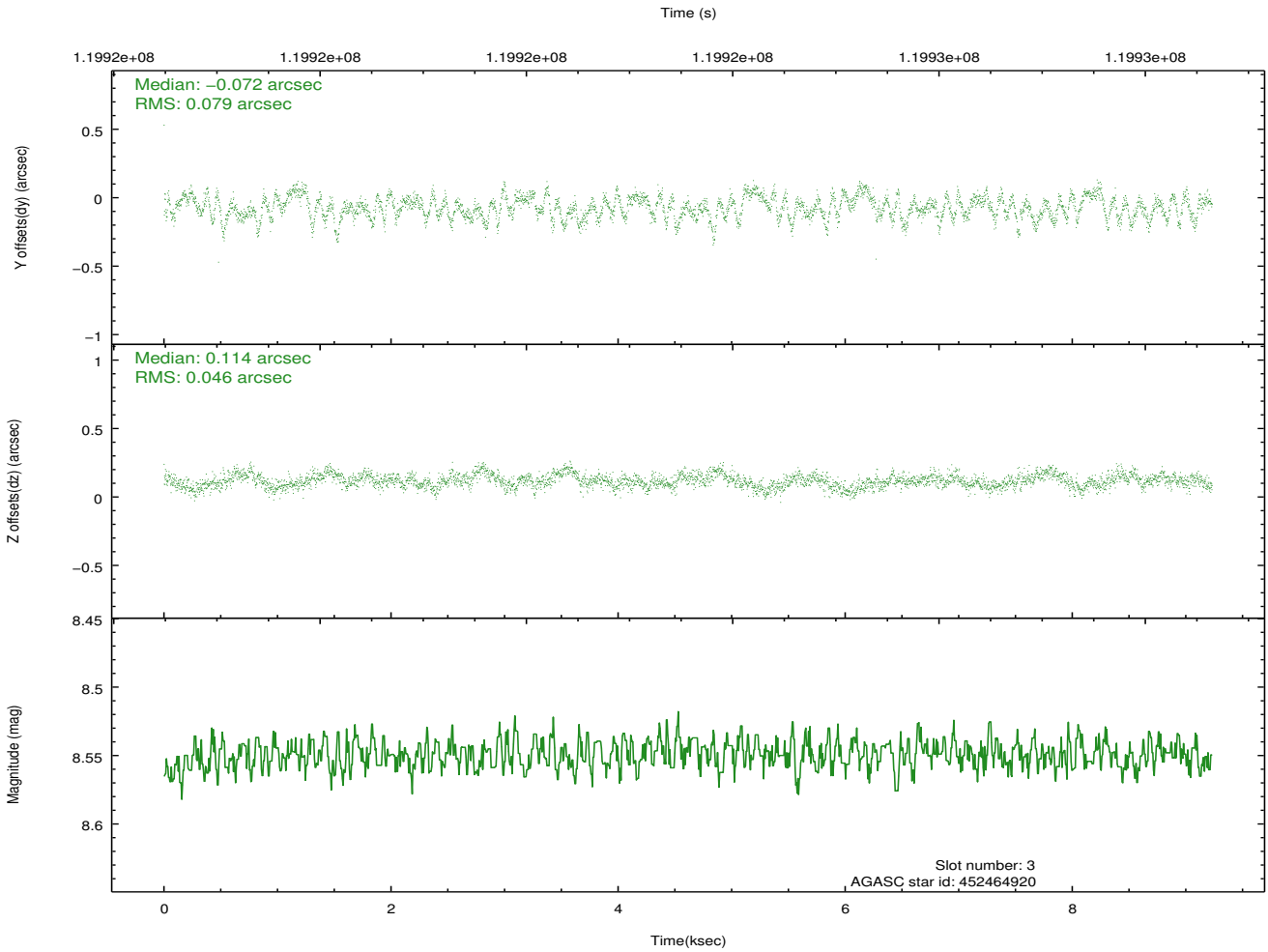
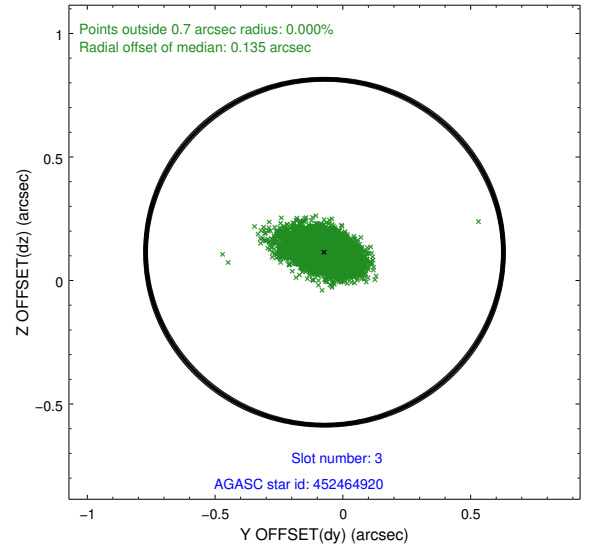
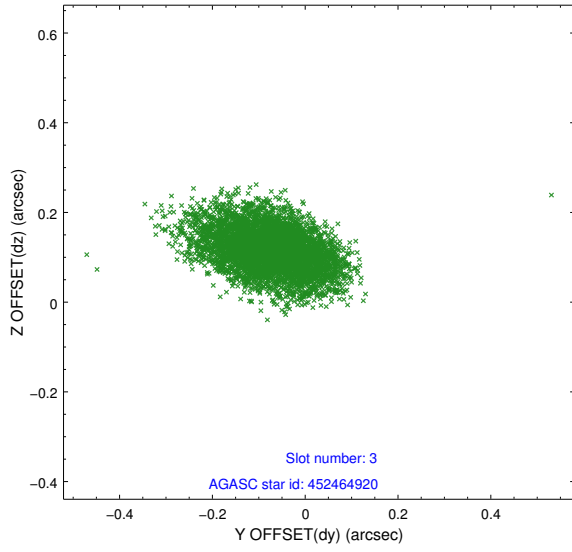


Slot Statistics

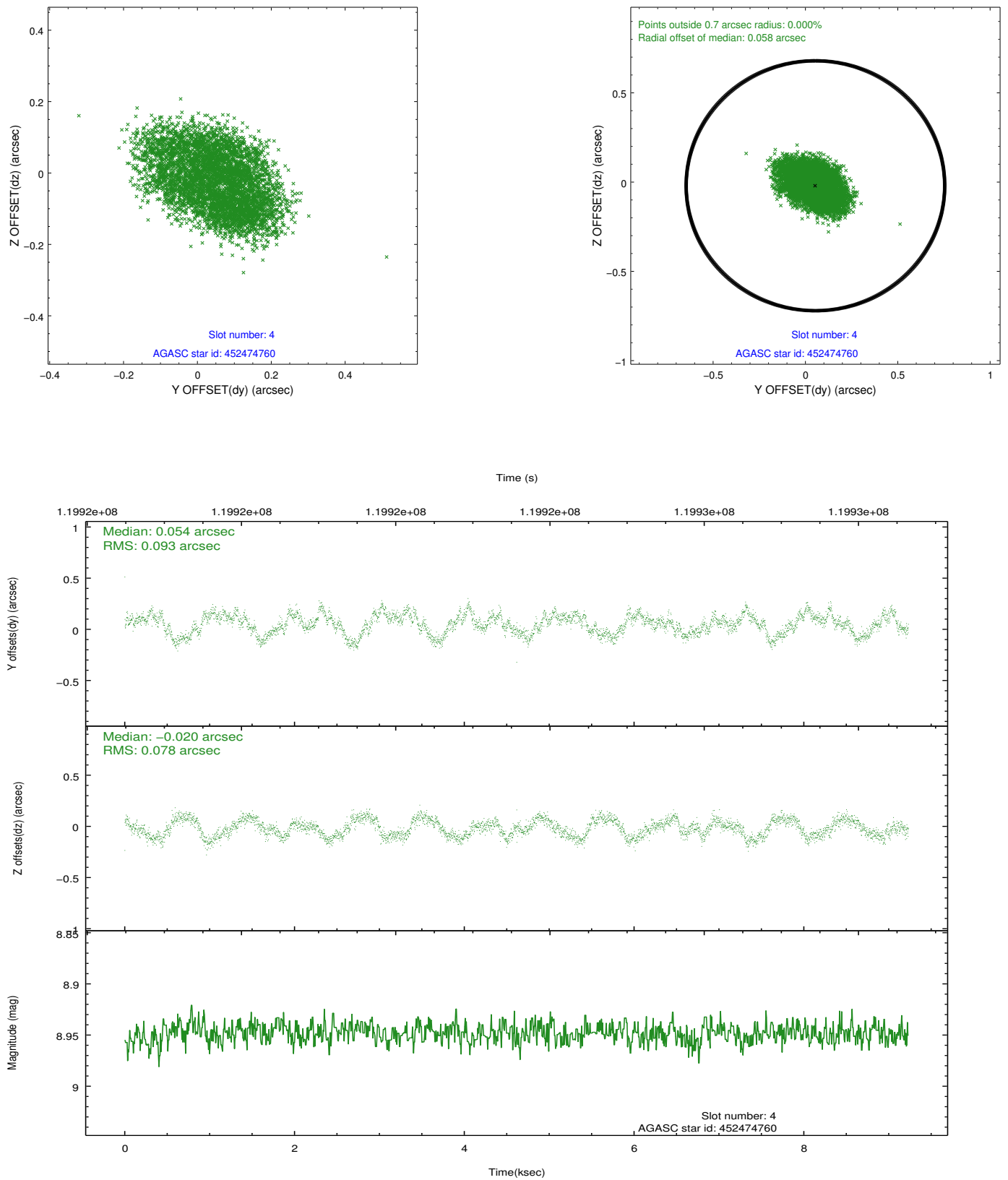
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2252	-0.027	0.005	0.008	0.012	0.000000	0.000000	-754.20	-1728.05
1	FID	ACIS-S-4	7.20	2252	-0.046	0.012	0.006	0.012	0.000000	0.000000	2158.79	179.83
2	FID	ACIS-S-5	7.24	2252	0.041	-0.008	0.007	0.011	0.000000	0.000000	-1806.22	174.15
3	GUIDE	452464920	8.55	4502	-0.072	0.114	0.096	0.160	177.144945	46.130195	2155.20	-2275.19
4	GUIDE	452474760	8.95	4499	0.054	-0.020	0.131	0.202	175.631749	46.506608	-283.25	893.10
5	GUIDE	452468032	9.83	4496	-0.072	-0.132	0.094	0.161	176.120312	46.601291	916.24	521.26
6	GUIDE	452465552	9.51	4502	-0.155	0.125	0.237	0.356	177.100200	46.202584	2199.15	-1995.11
7	GUIDE	452474296	9.43	4501	0.250	-0.080	0.096	0.157	175.196051	46.137456	-1918.28	377.48

2.4 Star Slots

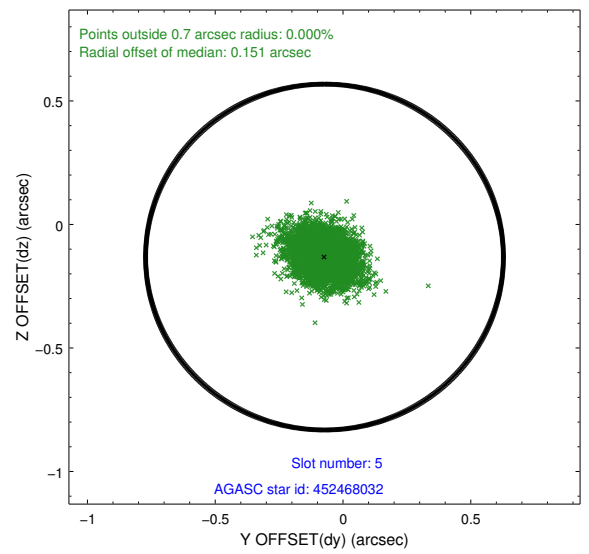
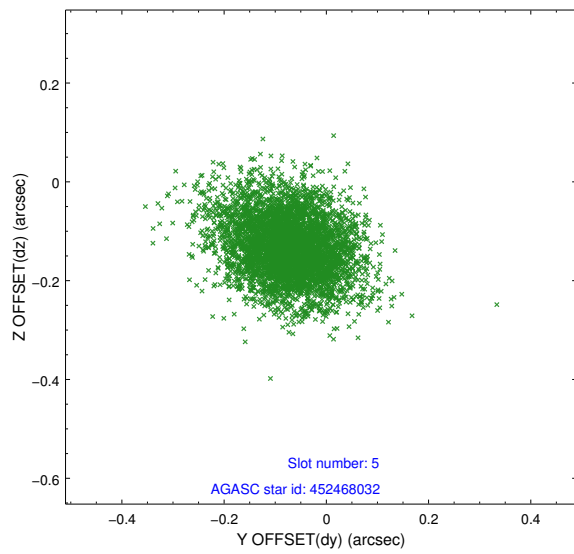
2.4.1 Slot 3



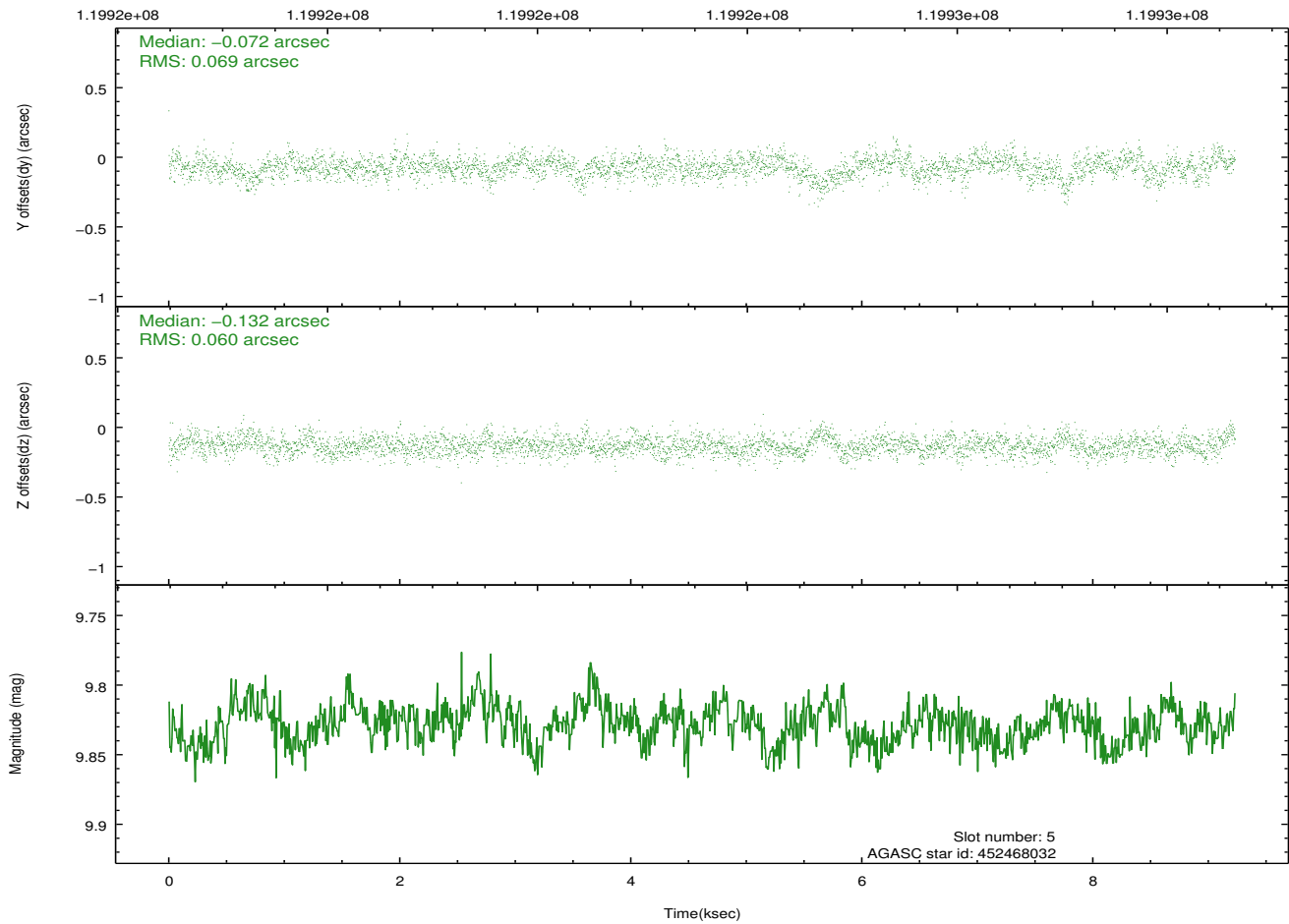
2.4.2 Slot 4



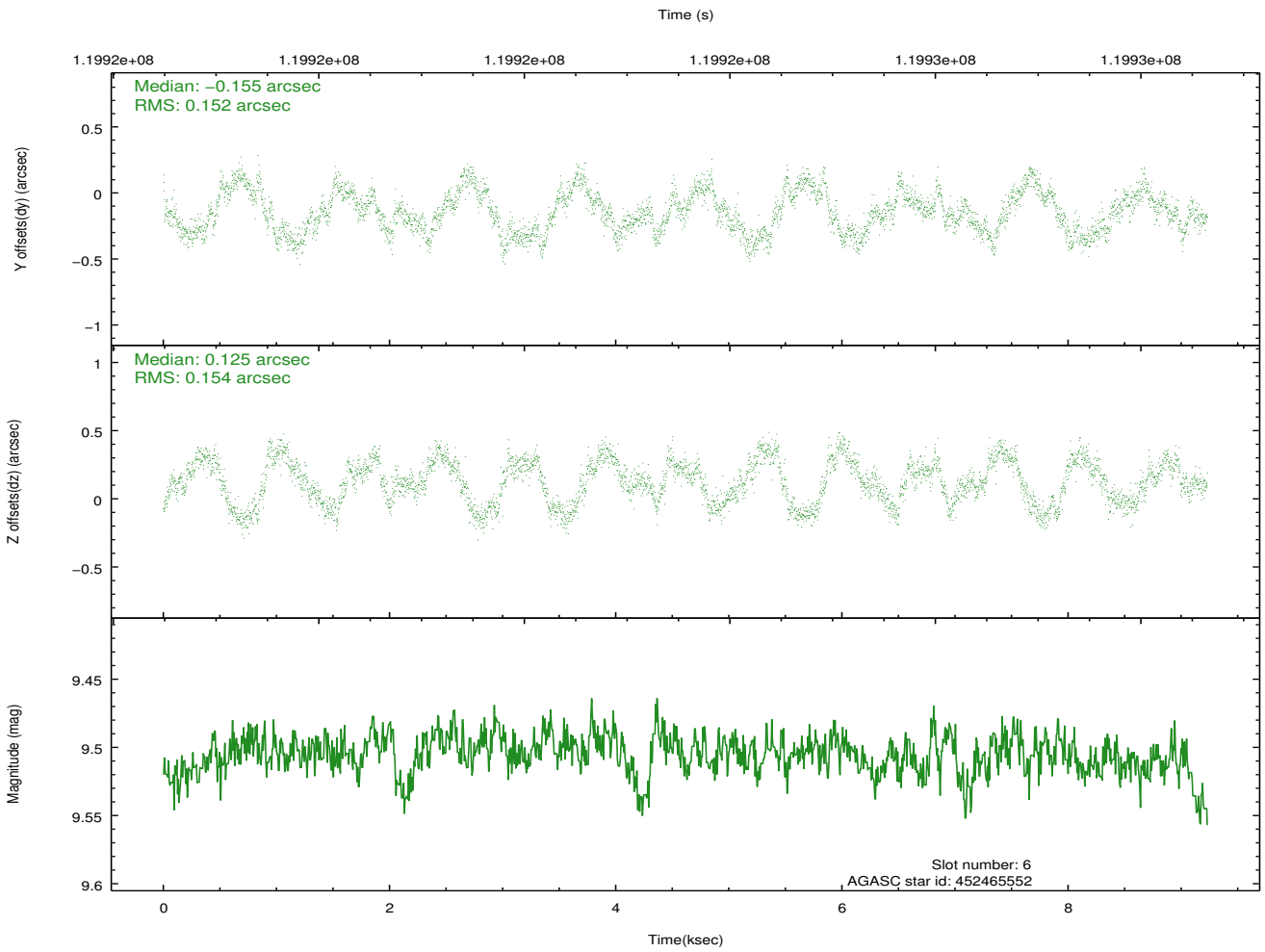
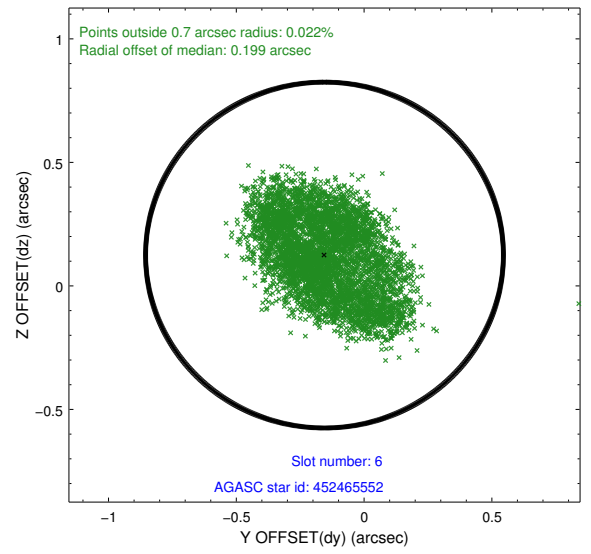
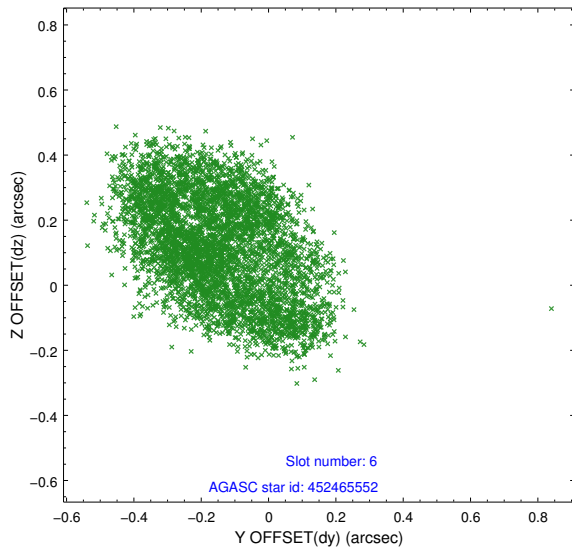
2.4.3 Slot 5



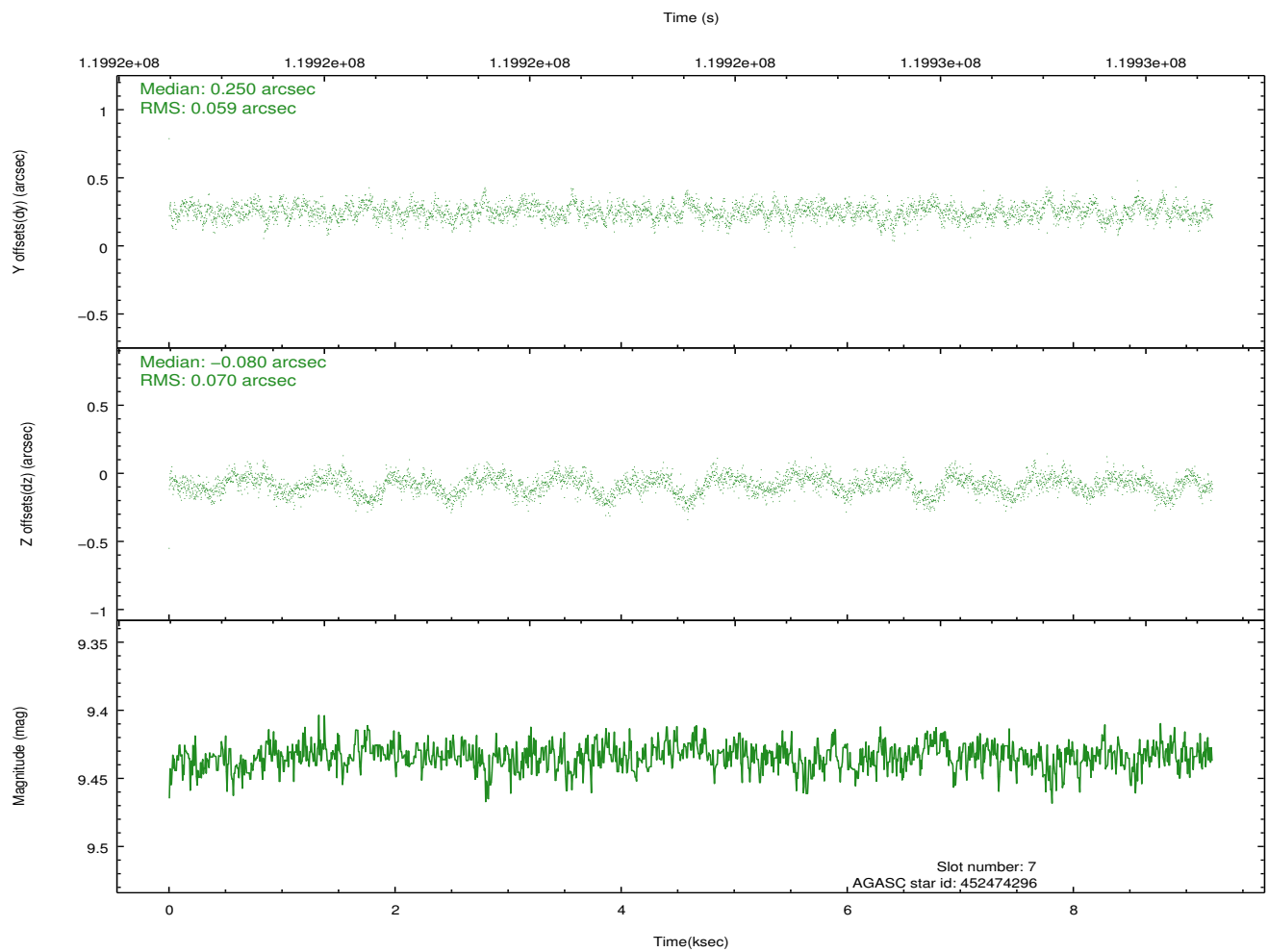
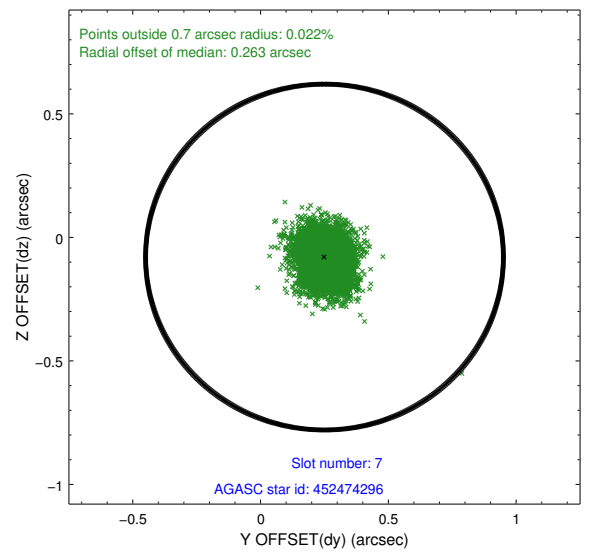
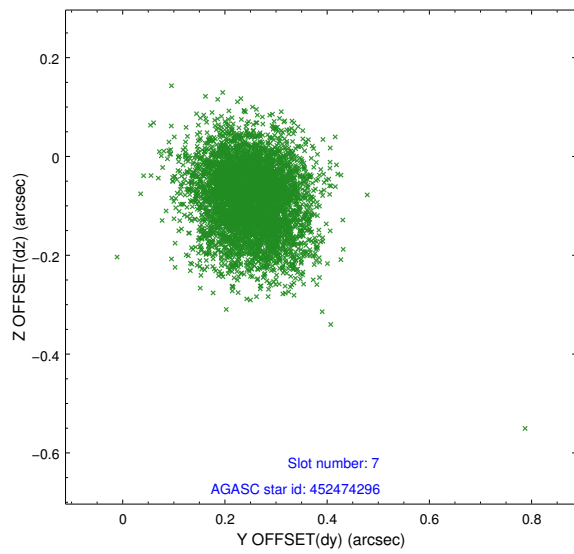
Time (s)



2.4.4 Slot 6

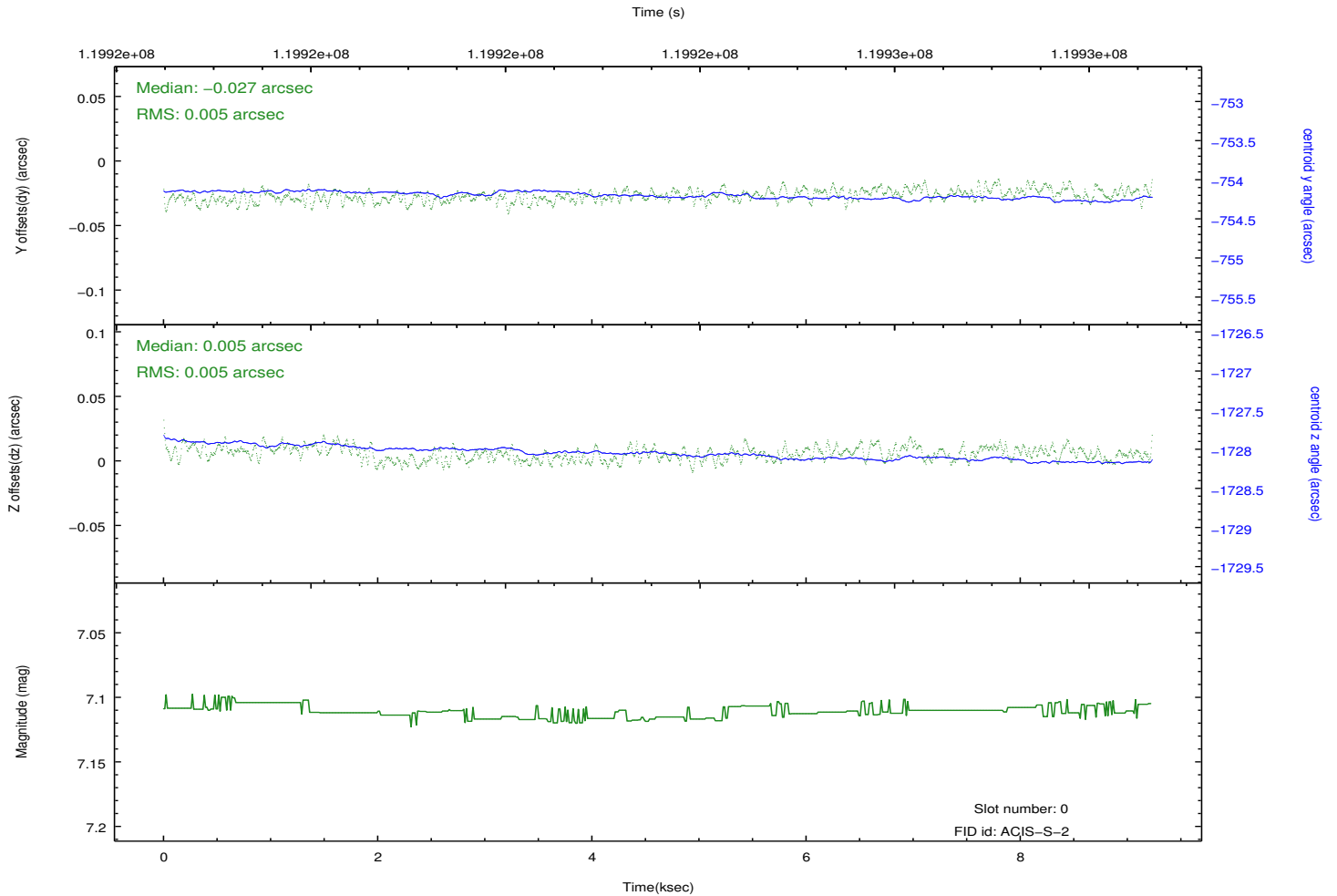
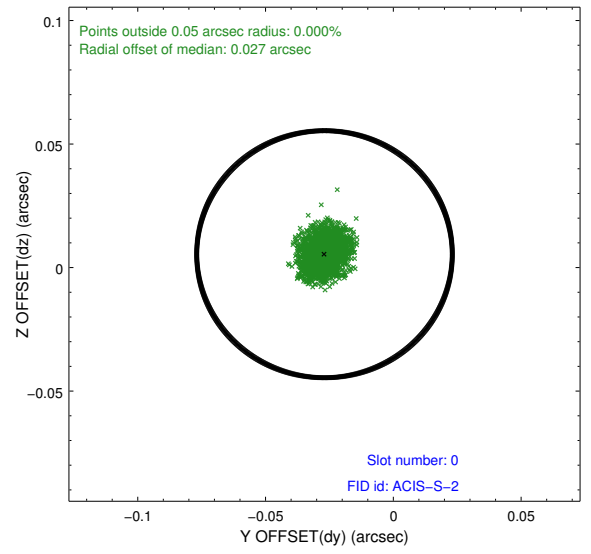
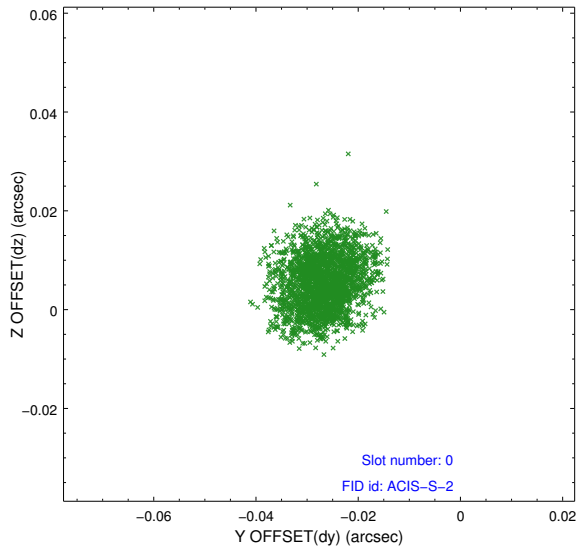


2.4.5 Slot 7

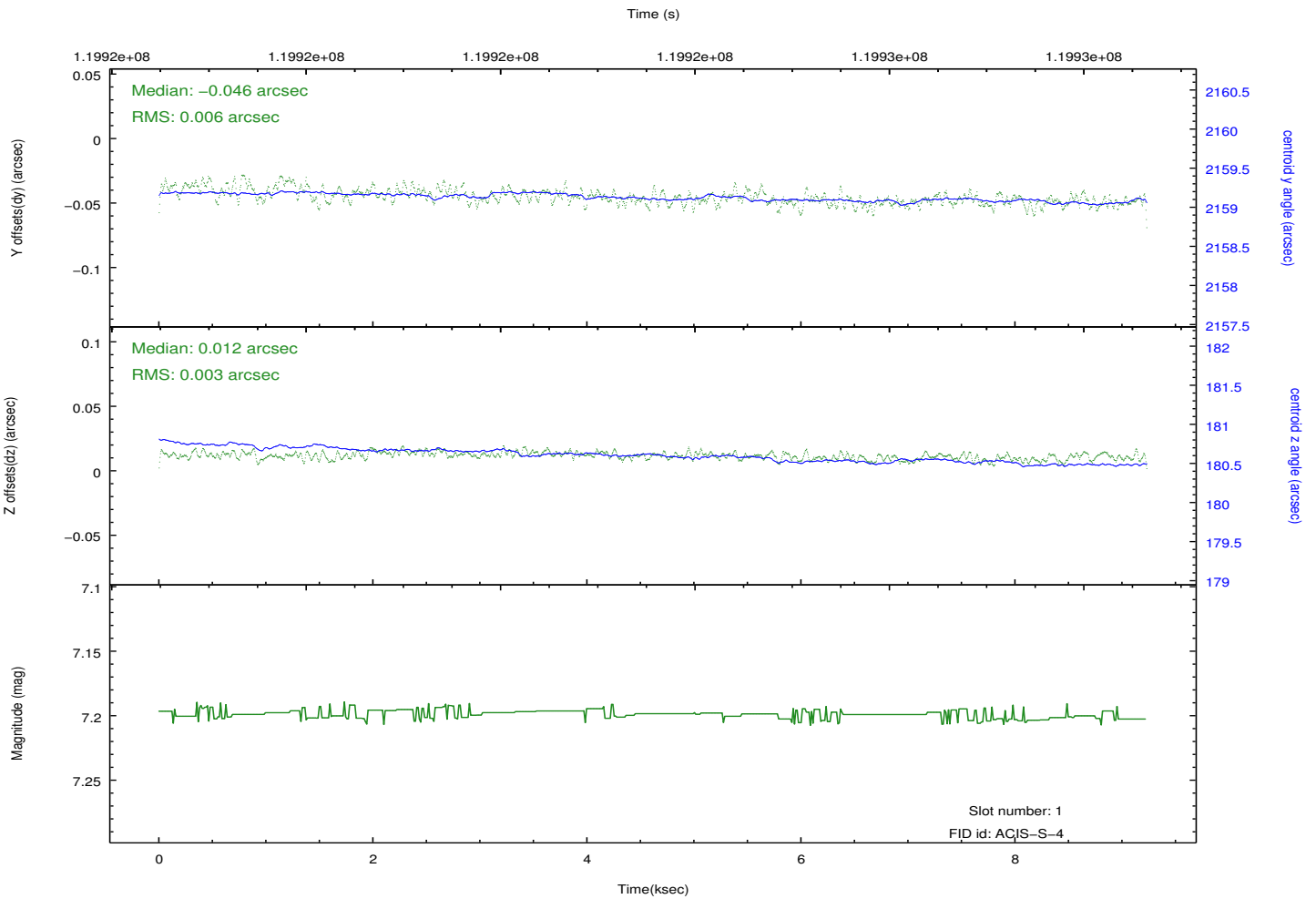
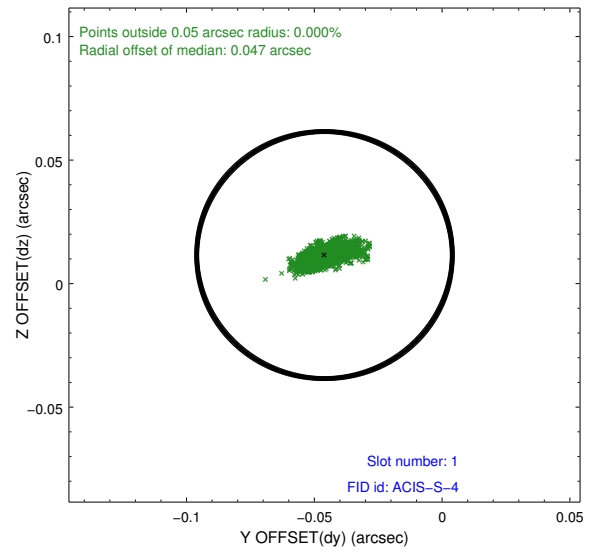
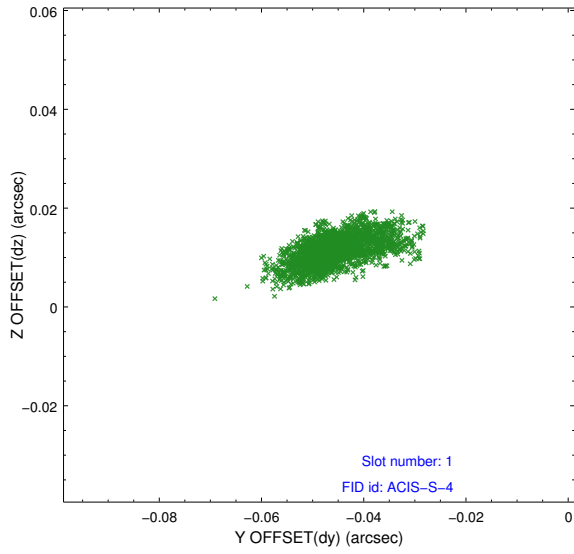


2.5 FID Slots

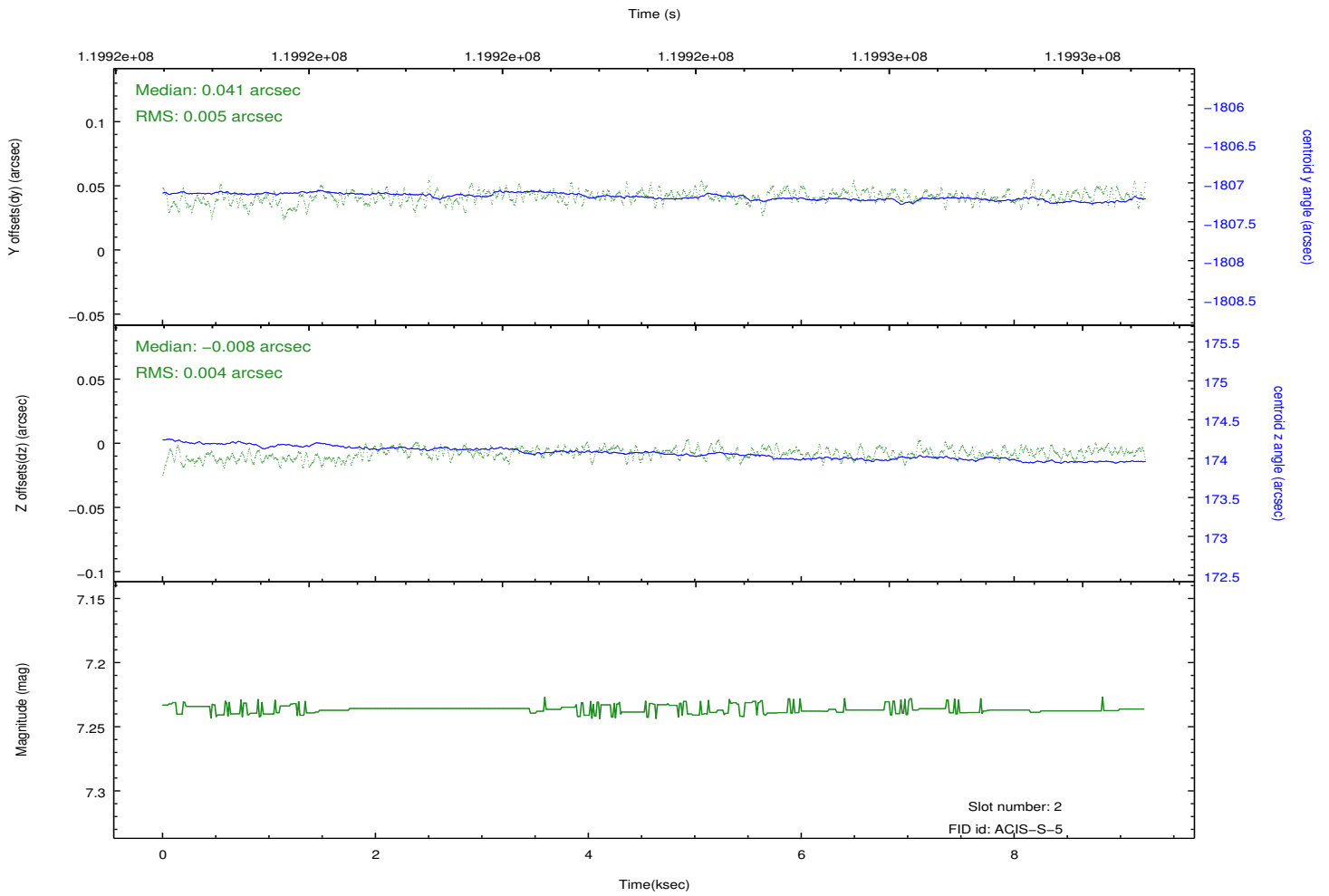
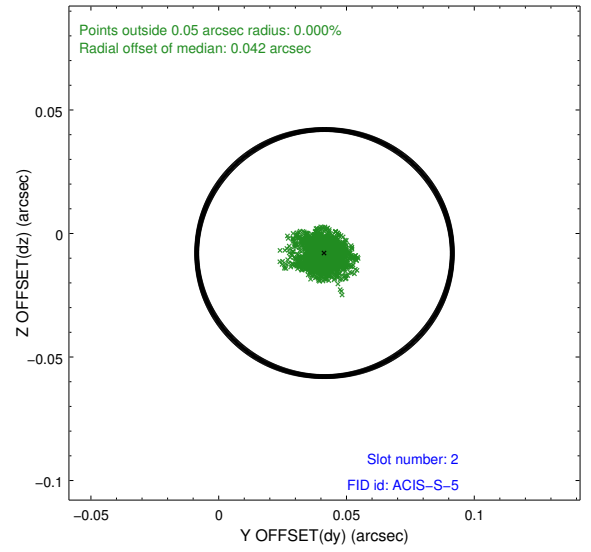
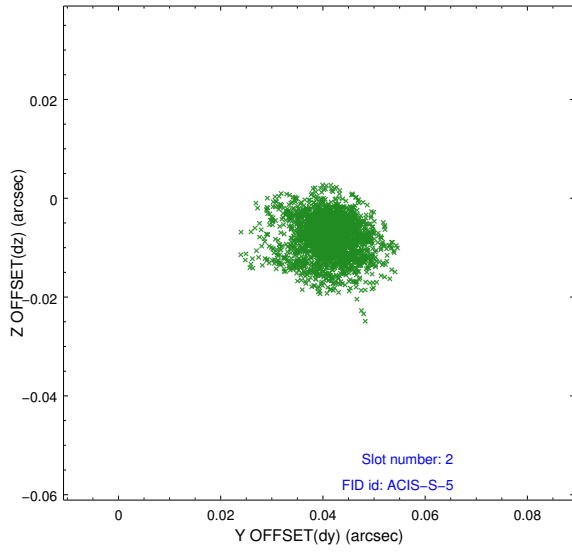
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.448

A.2 Comments