

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5549 - L2 Version 2
Chandra X-Ray Center

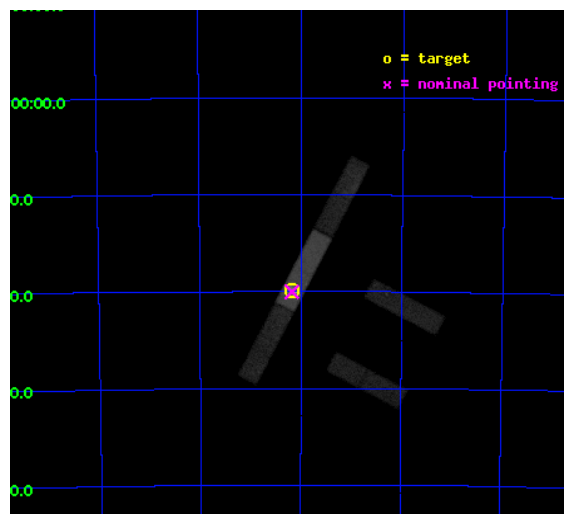
L2 Processing Date : Mar 25 2012

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

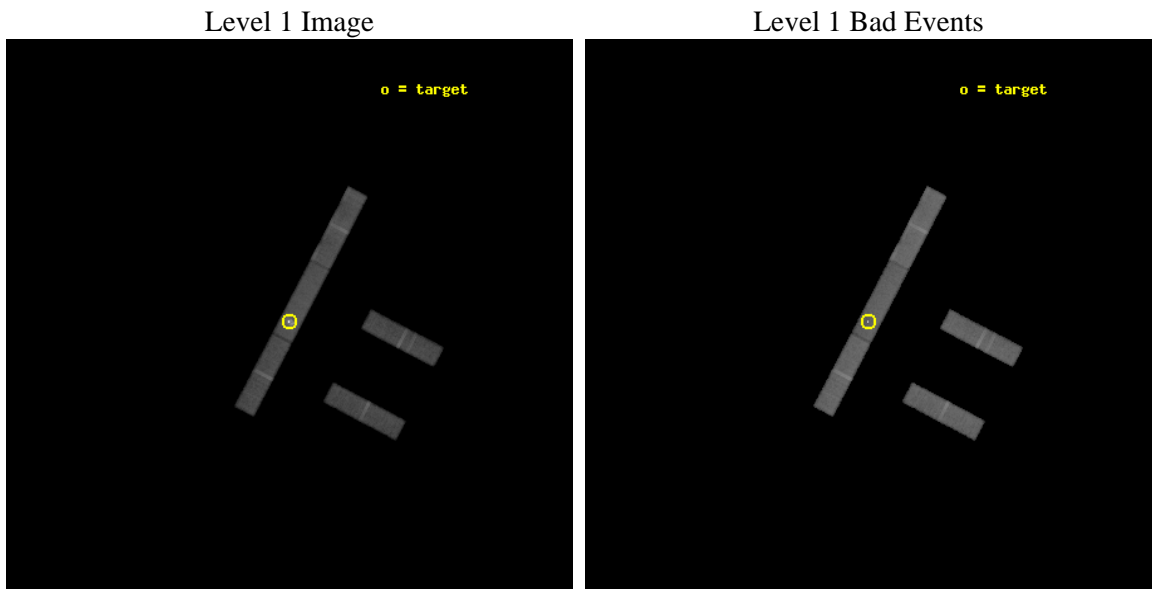
seq_num	500538	Sequence number
obs_id	5549	Observation id
title	A Deep Chandra Observation of O-Rich SNR 0540-69.3 in the LMC	Prop
observer	DR. Sangwook Park	Principal investigator
object	SNR 0540-69.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	85.046667	Observer's specified target RA [deg]
dec_targ	-69.331972	Observer's specified target Dec [deg]
ra_nom	85.044133012936	Nominal RA [deg]
dec_nom	-69.33386868227	Nominal Dec [deg]
roll_nom	297.65425188898	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40356.0	Sum of GTIs [s]
livetime	38765.081072774	Livetime [s]
ontime2	40353.917919993	Sum of GTIs [s]
ontime3	40356.0	Sum of GTIs [s]
ontime6	40356.0	Sum of GTIs [s]
ontime7	40356.0	Sum of GTIs [s]
ontime8	40356.0	Sum of GTIs [s]
l2events	207773	Number of level 2 events



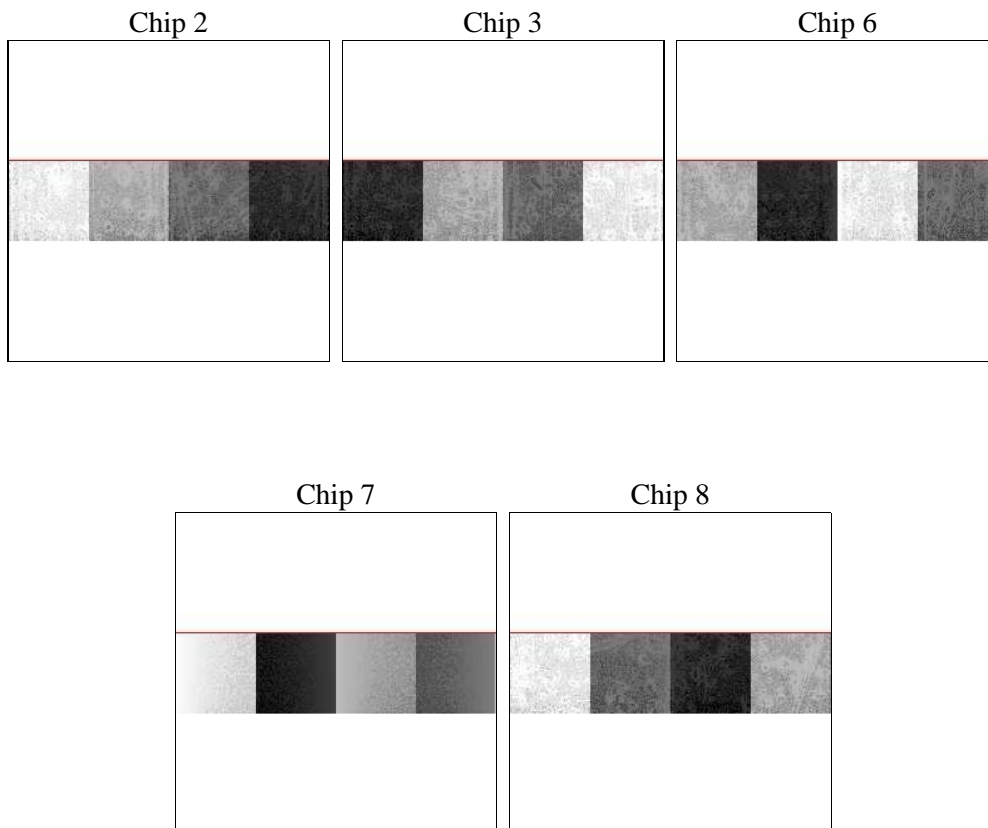
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40356.0	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	40353.917919993	Sum of GTIs [s]
date	2012-03-25T17:01:43	Date and time of file creation	ontime3	40356.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	40356.0	Sum of GTIs [s]
			ontime7	40356.0	Sum of GTIs [s]
			ontime8	40356.0	Sum of GTIs [s]
			l1events	720727	Number of level 1 events

2.1.4 Events

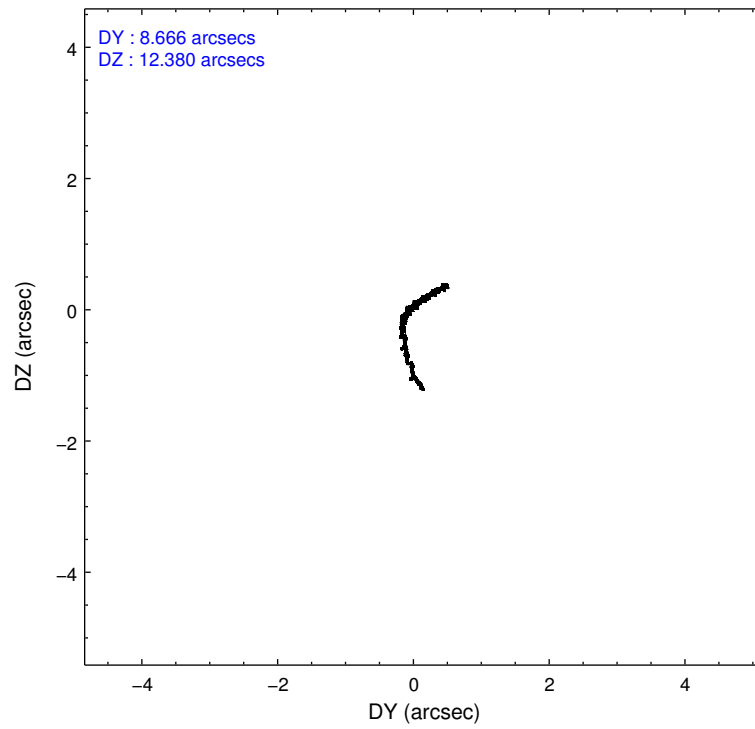
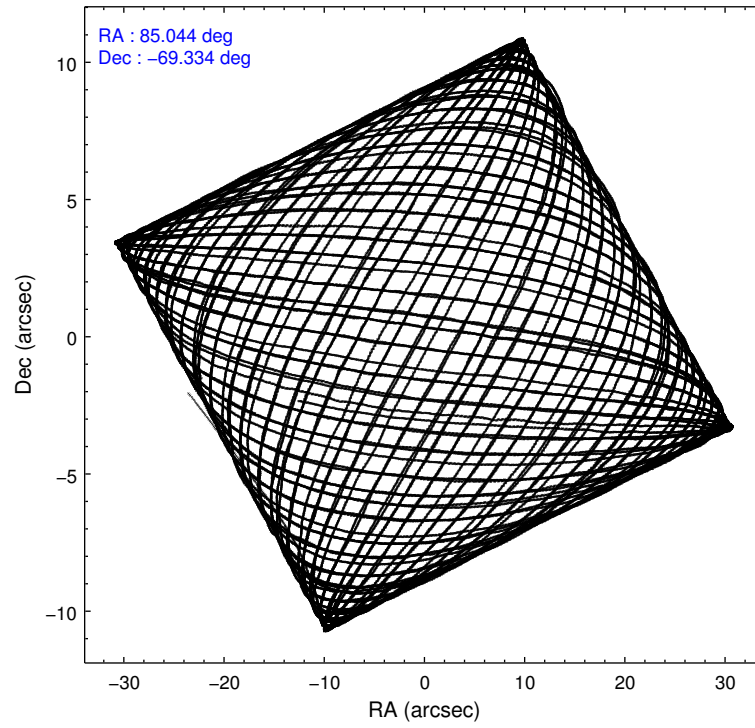
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	101681	105500	113772	256005	143769
rejected events	88148	91307	97742	98797	111515
rejected %	86%	86%	85%	38%	77%

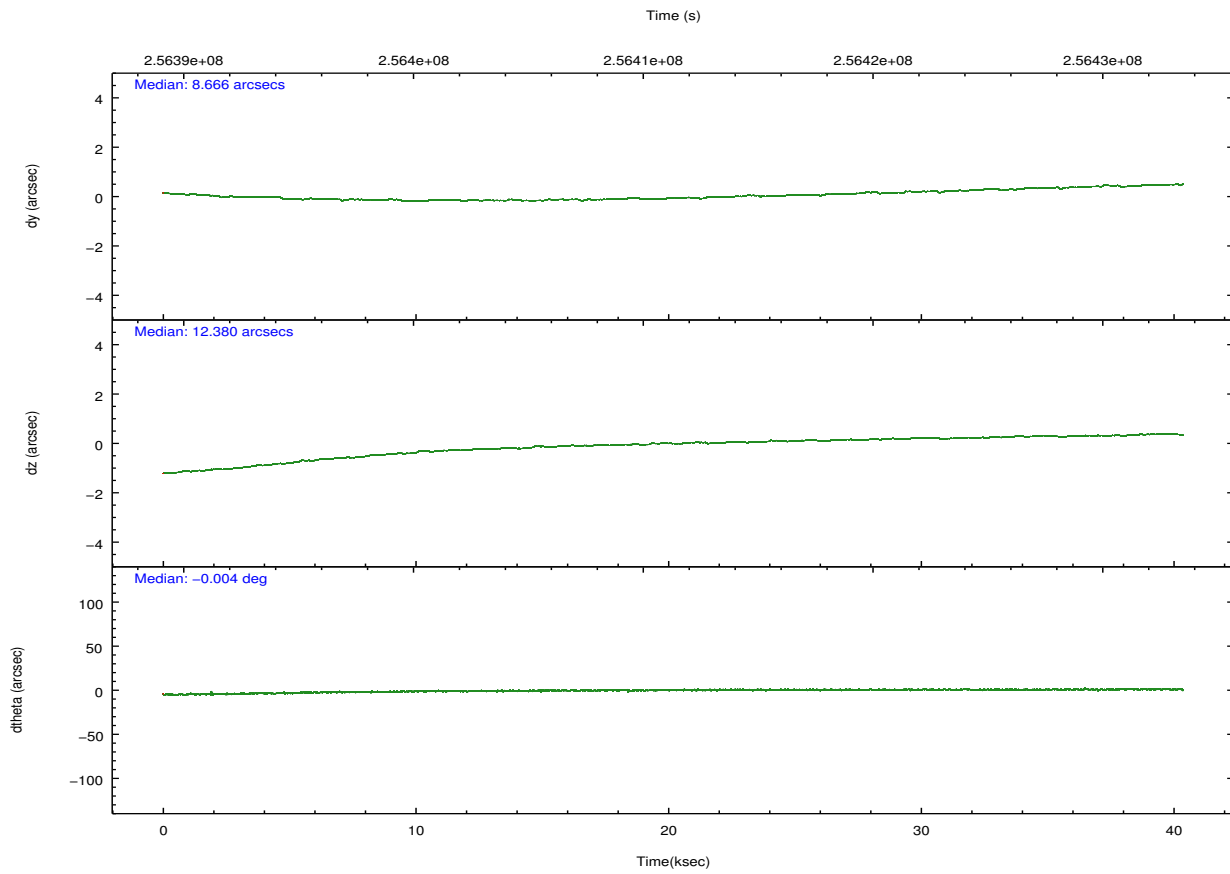
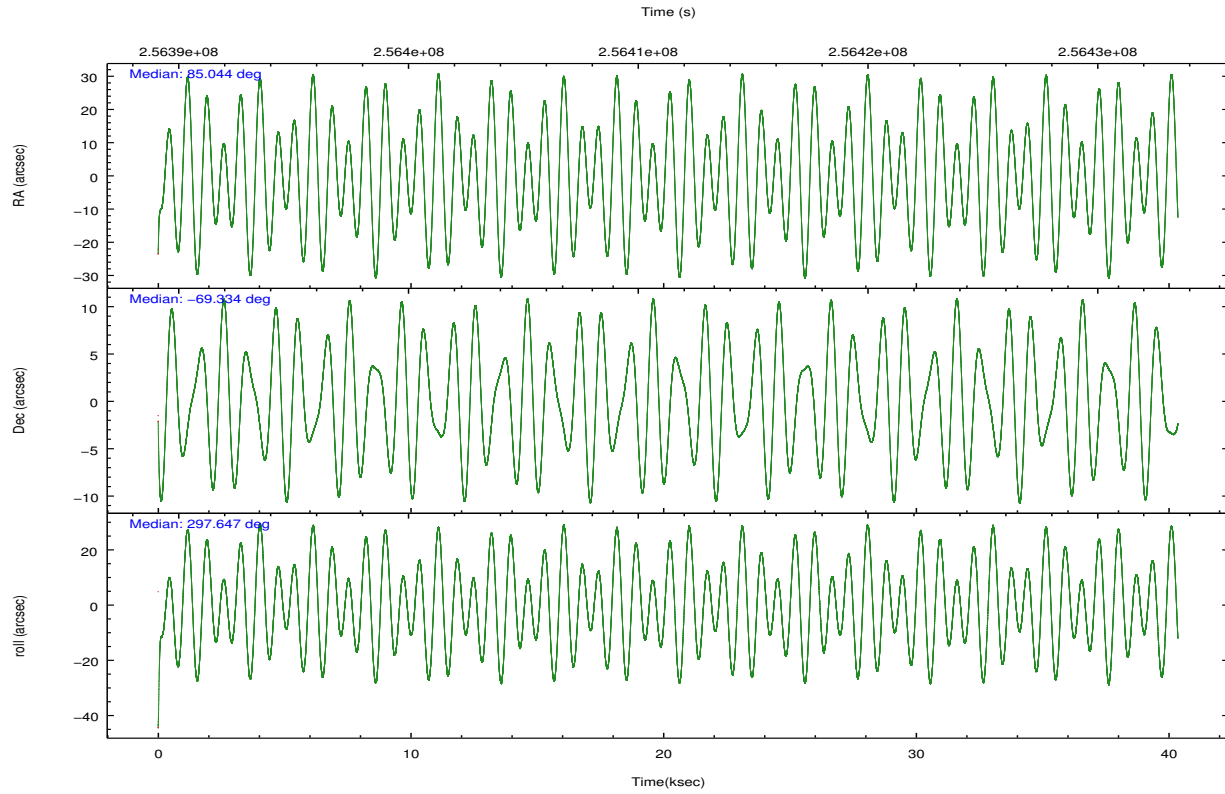
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6364	6817	7866	28530	12263
	6%	6%	6%	11%	8%
grade 1 events	43	41	36	2458	65
	0%	0%	0%	0%	0%
grade 2 events	2223	2242	2518	37760	6303
	2%	2%	2%	14%	4%
grade 3 events	1678	1672	1658	17610	3212
	1%	1%	1%	6%	2%
grade 4 events	1619	1625	1786	17124	3091
	1%	1%	1%	6%	2%
grade 5 events	3375	4115	4358	19482	5500
	3%	3%	3%	7%	3%
grade 6 events	1791	1985	2361	57163	7836
	1%	1%	2%	22%	5%
grade 7 events	84588	87003	93189	75878	105499
	83%	82%	81%	29%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	84.978396	85.04413301293613	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-69.319575	-69.33386868227049	Subarray start row	385	385
[deg] Pointing Roll	297.436126	297.6542518889767	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	256391272.184000	256390259.89818			
Observation start date	2006-02-15T11:46:47	2006-02-15T11:30:59			
[s] Observation end time (MET)	256431472.184000	256432274.13763			
Observation end date	2006-02-15T22:56:47	2006-02-15T23:11:14			
Read mode	TIMED	TIMED			

2.3 Aspect





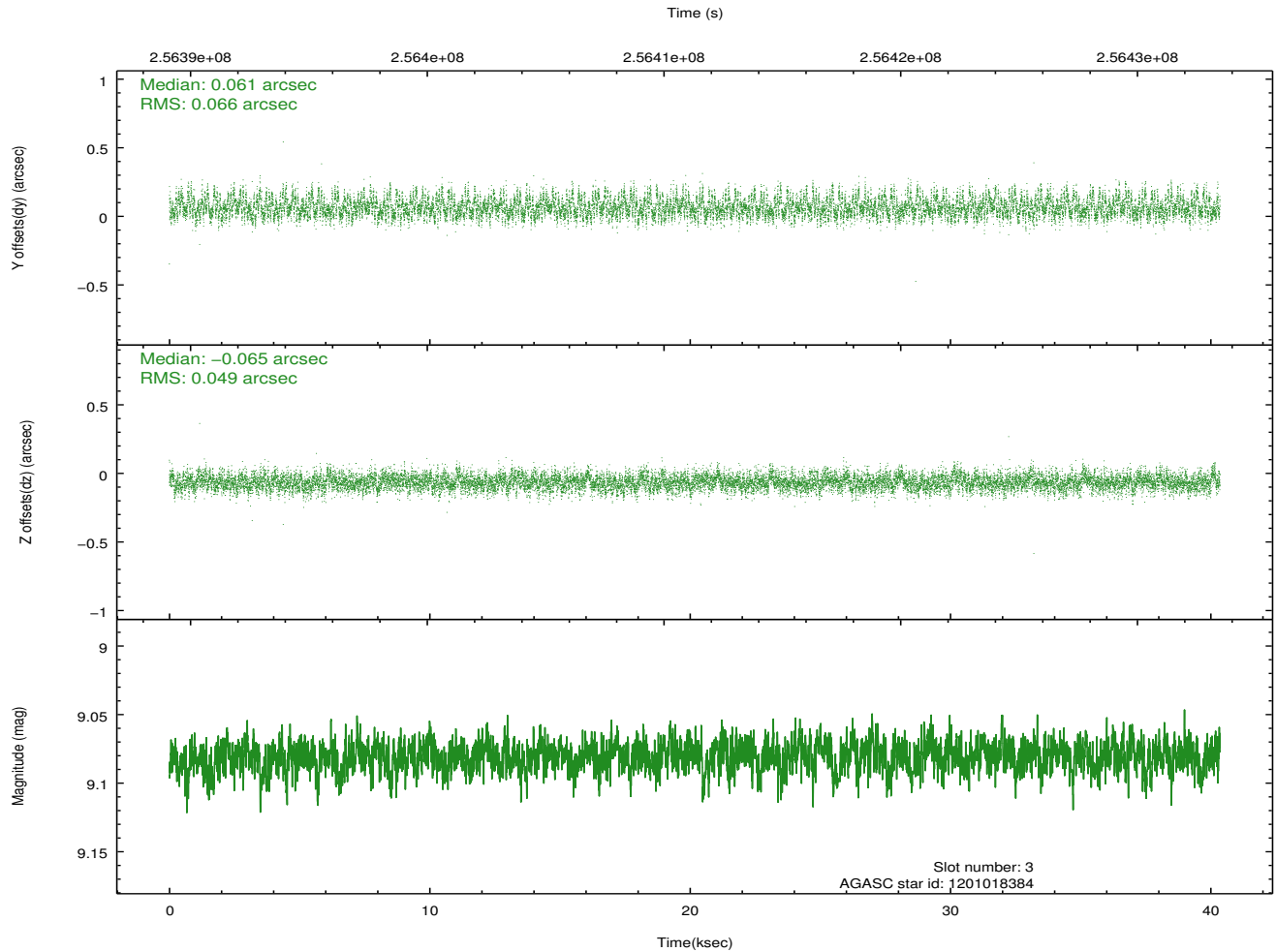
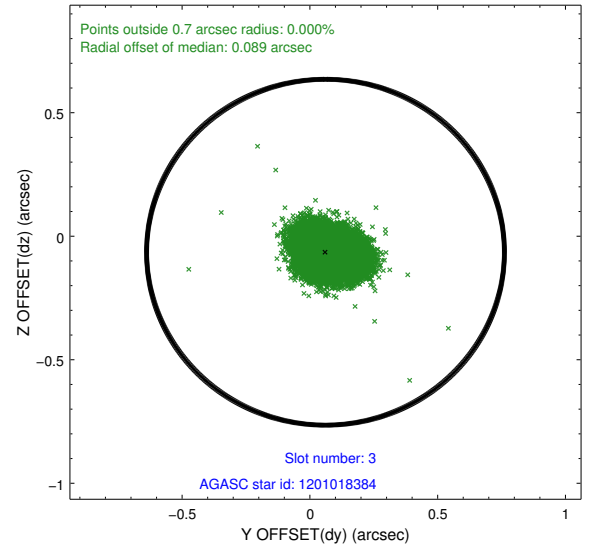
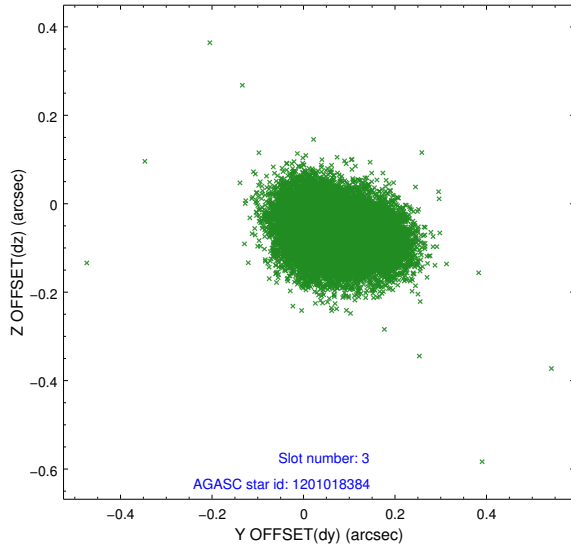
Slot Statistics

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	9843	-0.011	-0.032	0.014	0.029	0.000000	0.000000	-761.54	-1733.58
1	FID	ACIS-S-4	7.20	9844	0.121	0.014	0.011	0.018	0.000000	0.000000	2151.87	174.92
2	FID	ACIS-S-5	7.23	9842	-0.140	0.028	0.016	0.028	0.000000	0.000000	-1814.49	168.64
3	GUIDE	1201018384	9.08	19675	0.061	-0.065	0.087	0.142	85.801362	-68.593260	-1816.02	2161.43
4	GUIDE	1201019672	6.83	19688	-0.049	0.003	0.055	0.085	85.312192	-68.770187	-1553.98	1297.15
5	GUIDE	1201020040	8.58	19683	0.043	-0.013	0.060	0.096	85.379163	-68.879396	-1165.42	1190.95
6	GUIDE	1201540776	9.59	19677	0.031	0.047	0.110	0.176	85.107945	-69.858480	1796.21	-750.86
7	GUIDE	1201542672	8.21	19682	-0.089	0.028	0.080	0.135	84.492488	-69.957531	1763.82	-1590.17

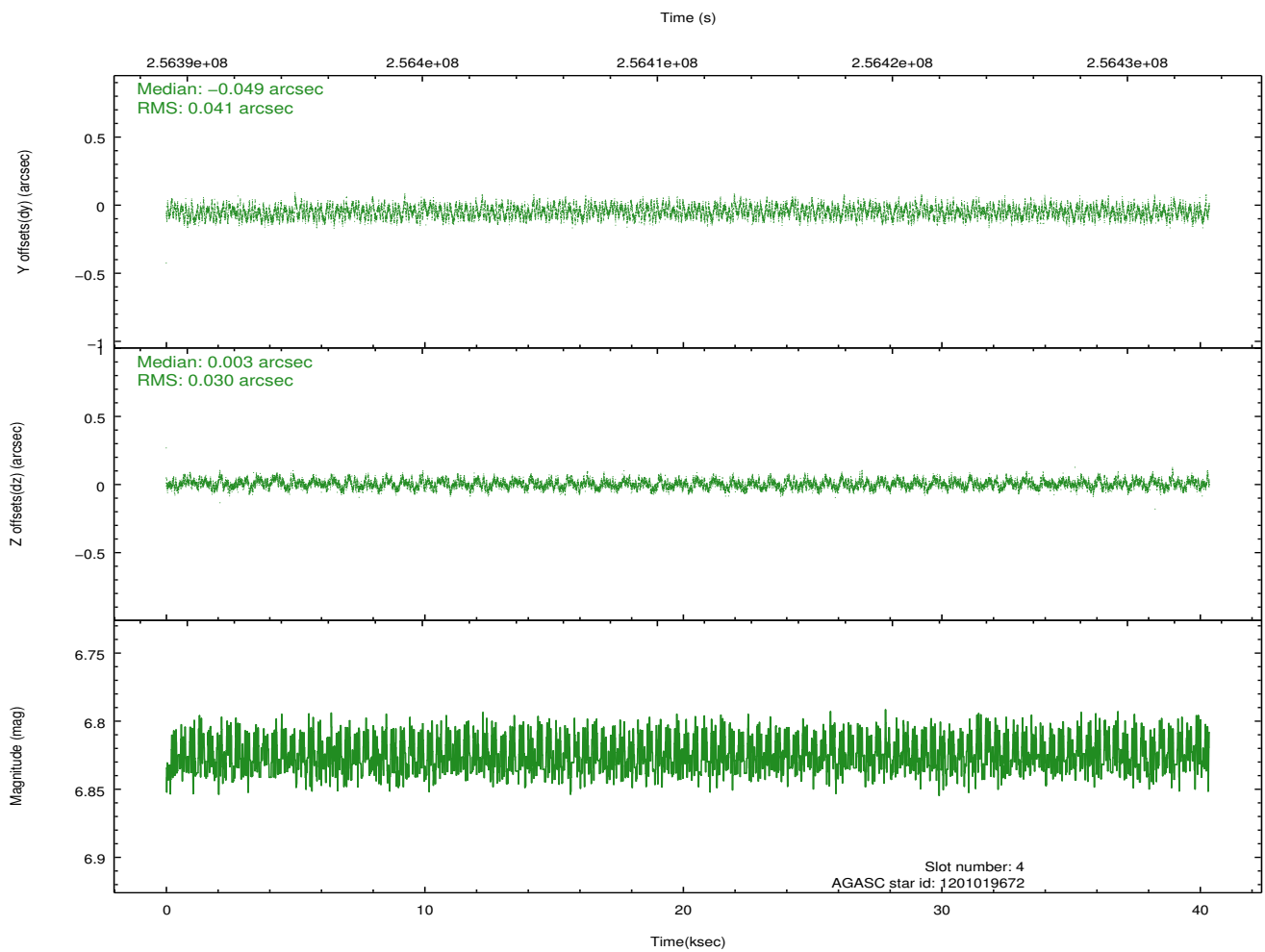
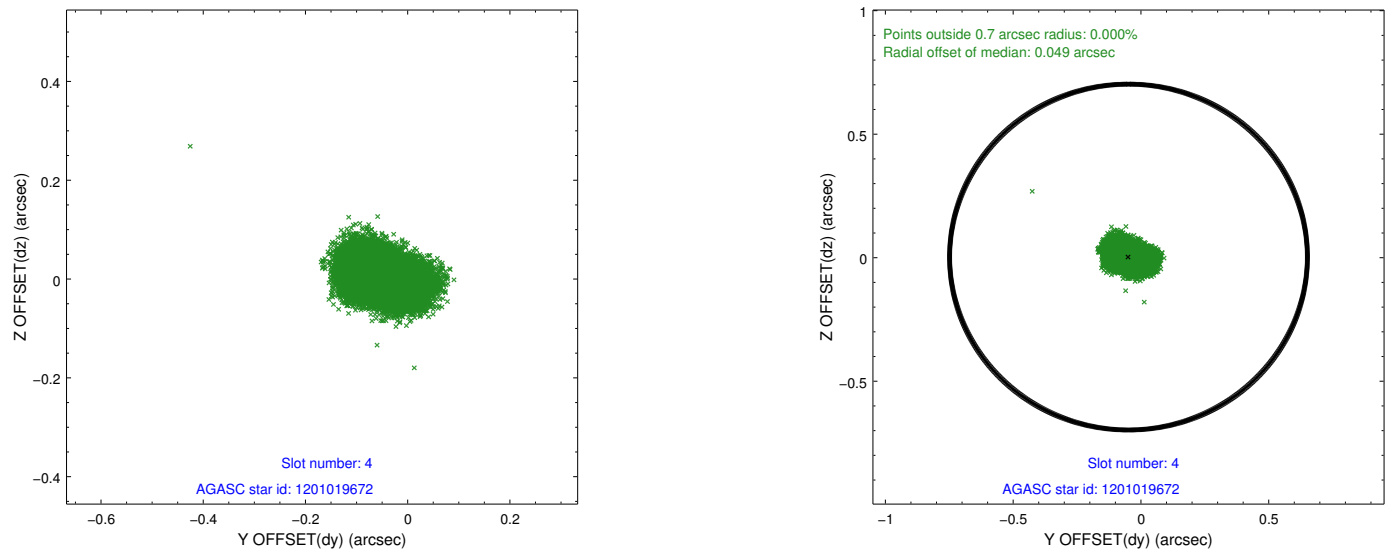
∞

2.4 Star Slots

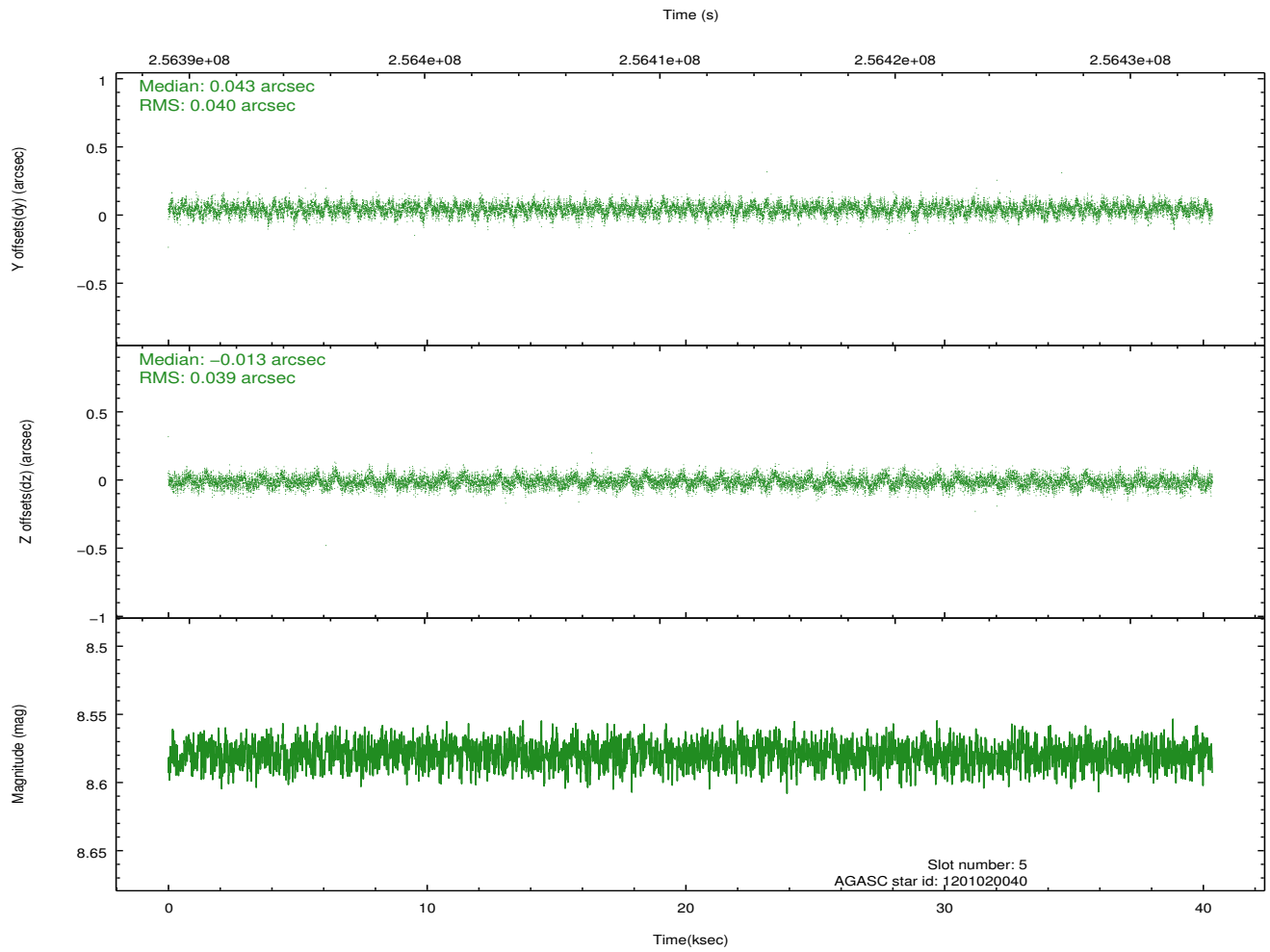
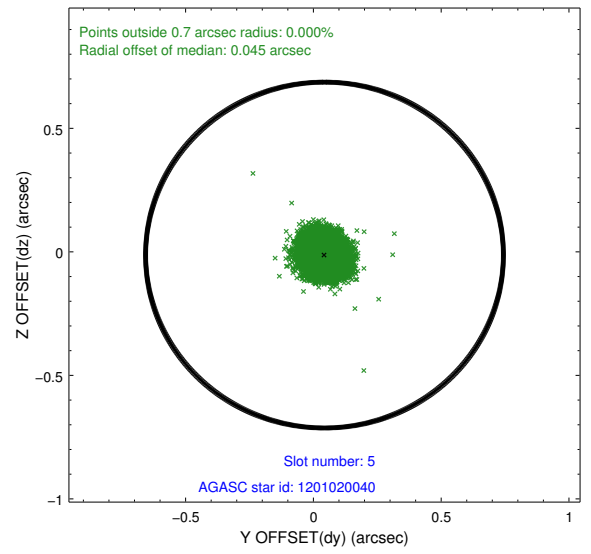
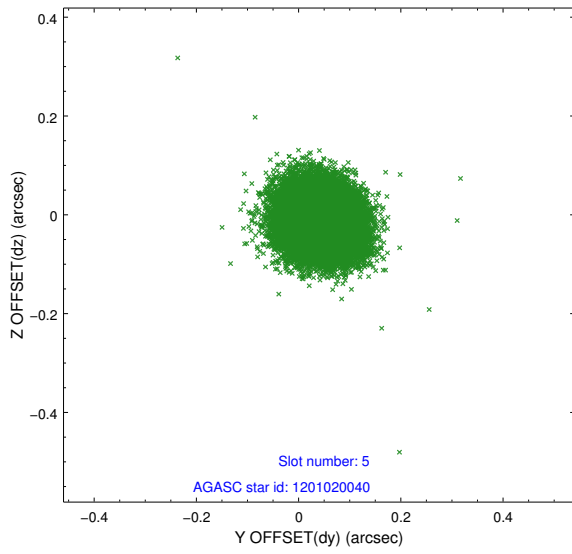
2.4.1 Slot 3



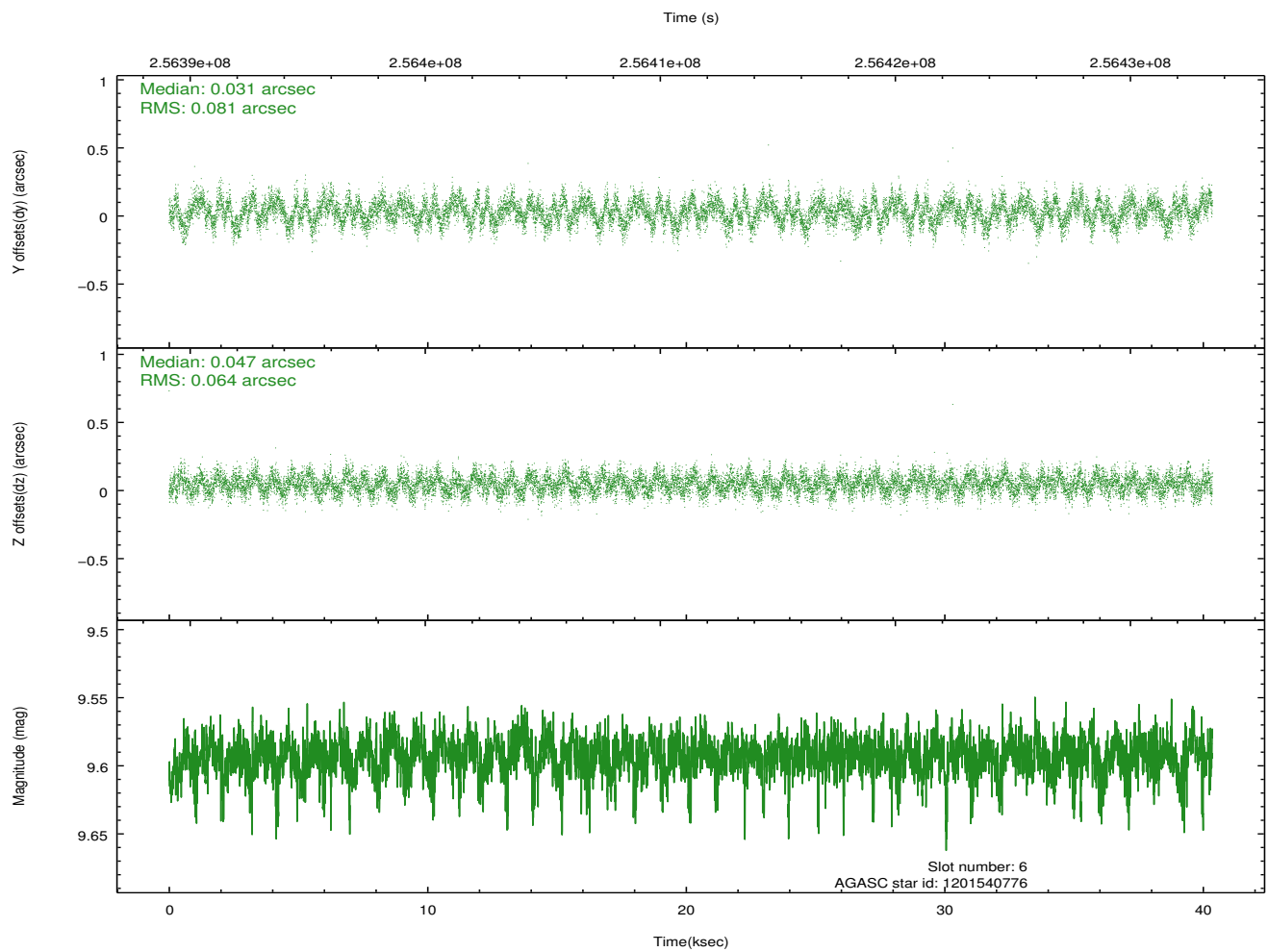
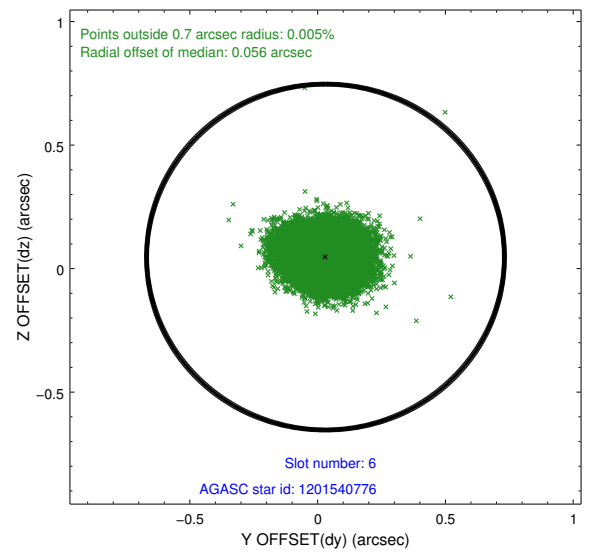
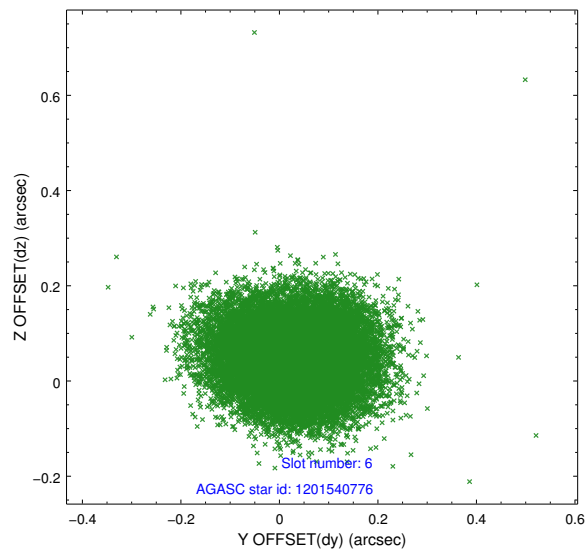
2.4.2 Slot 4



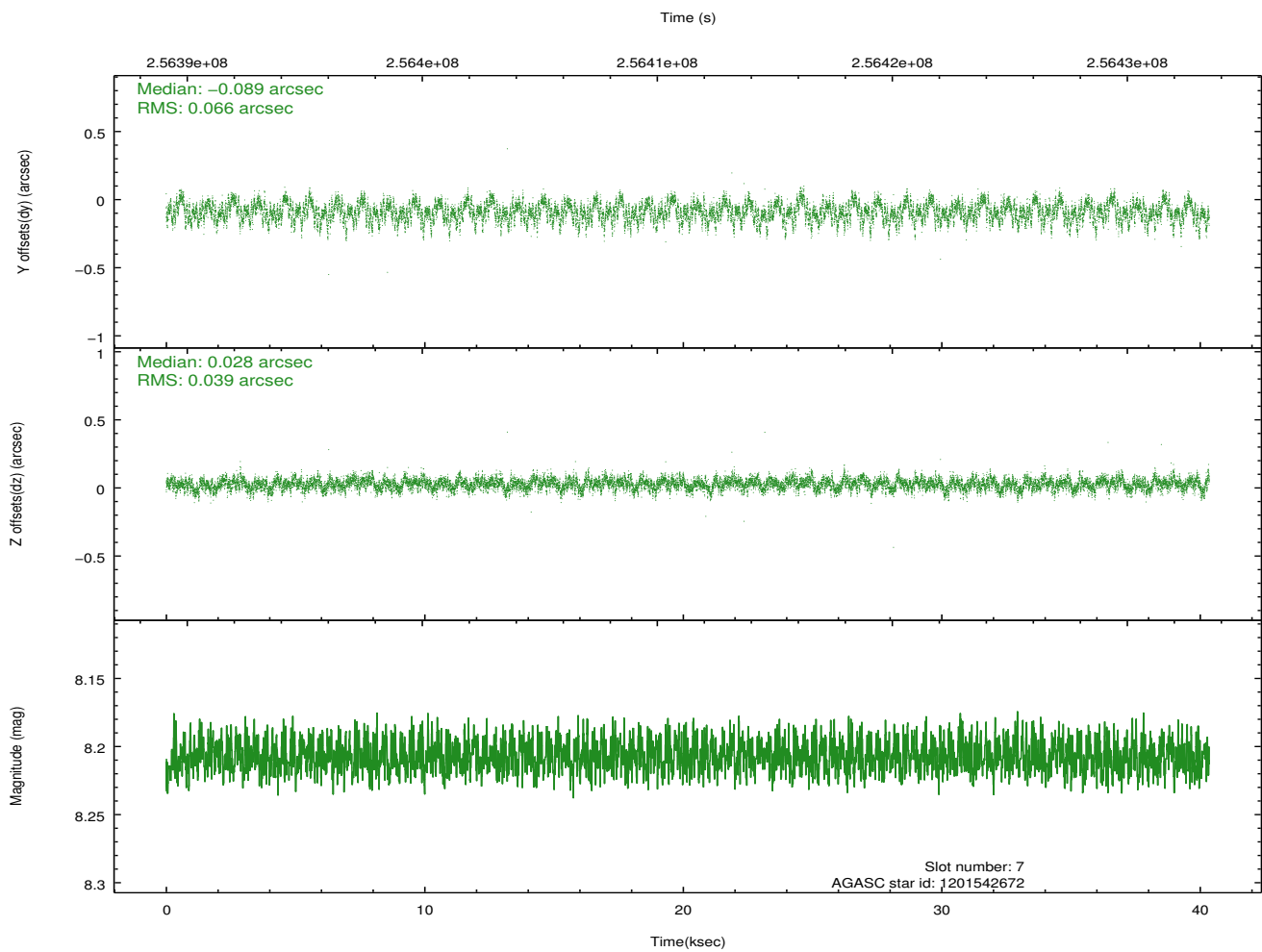
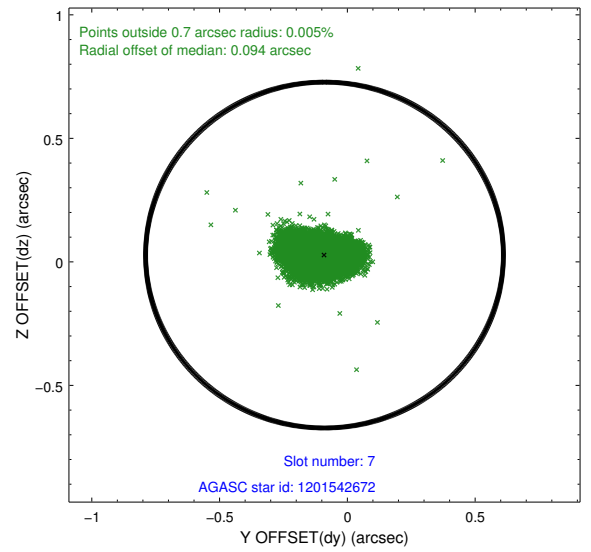
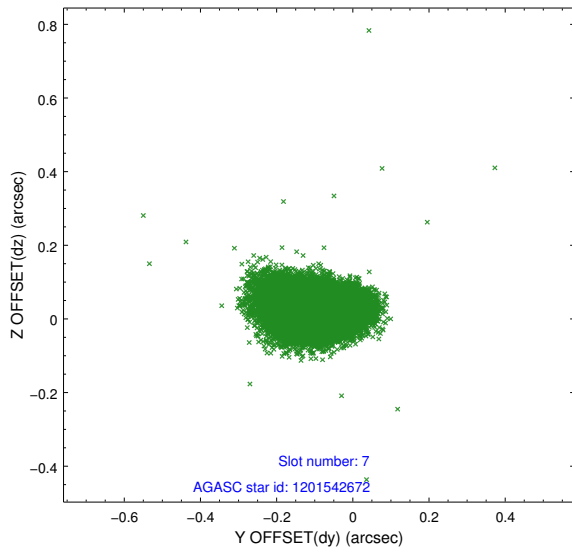
2.4.3 Slot 5



2.4.4 Slot 6

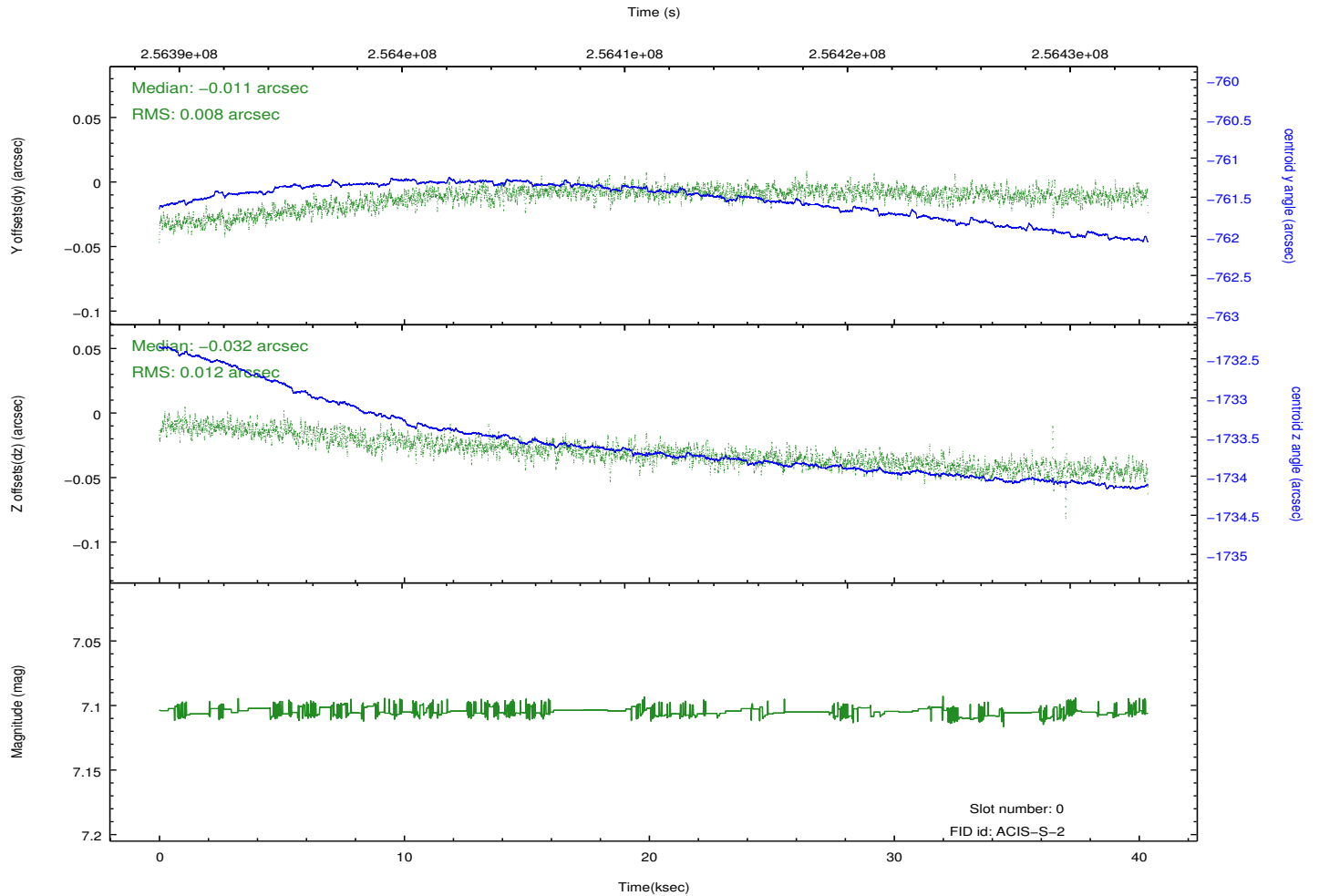
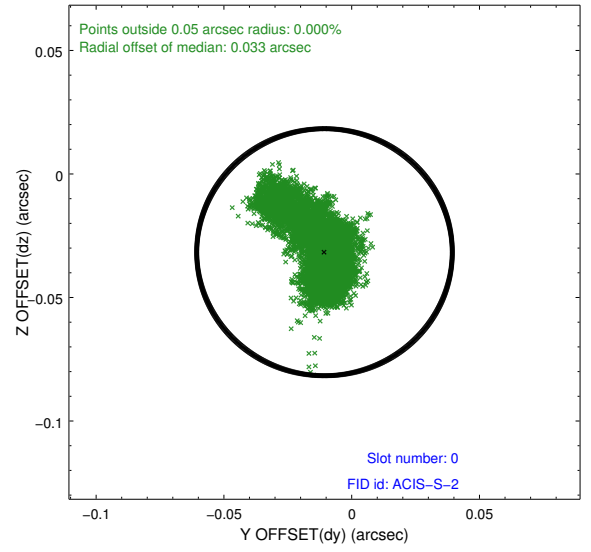
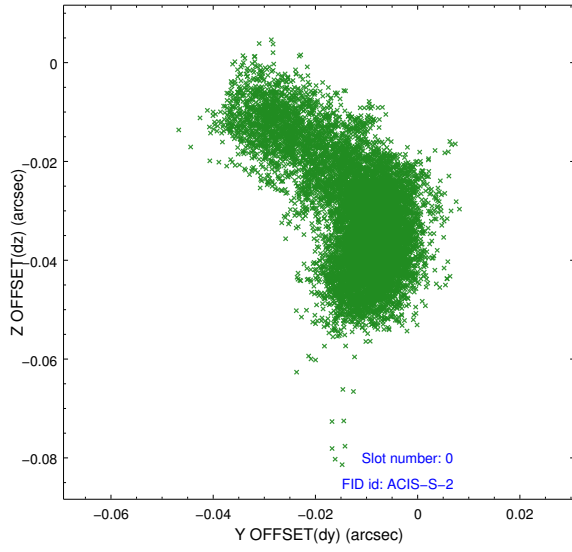


2.4.5 Slot 7

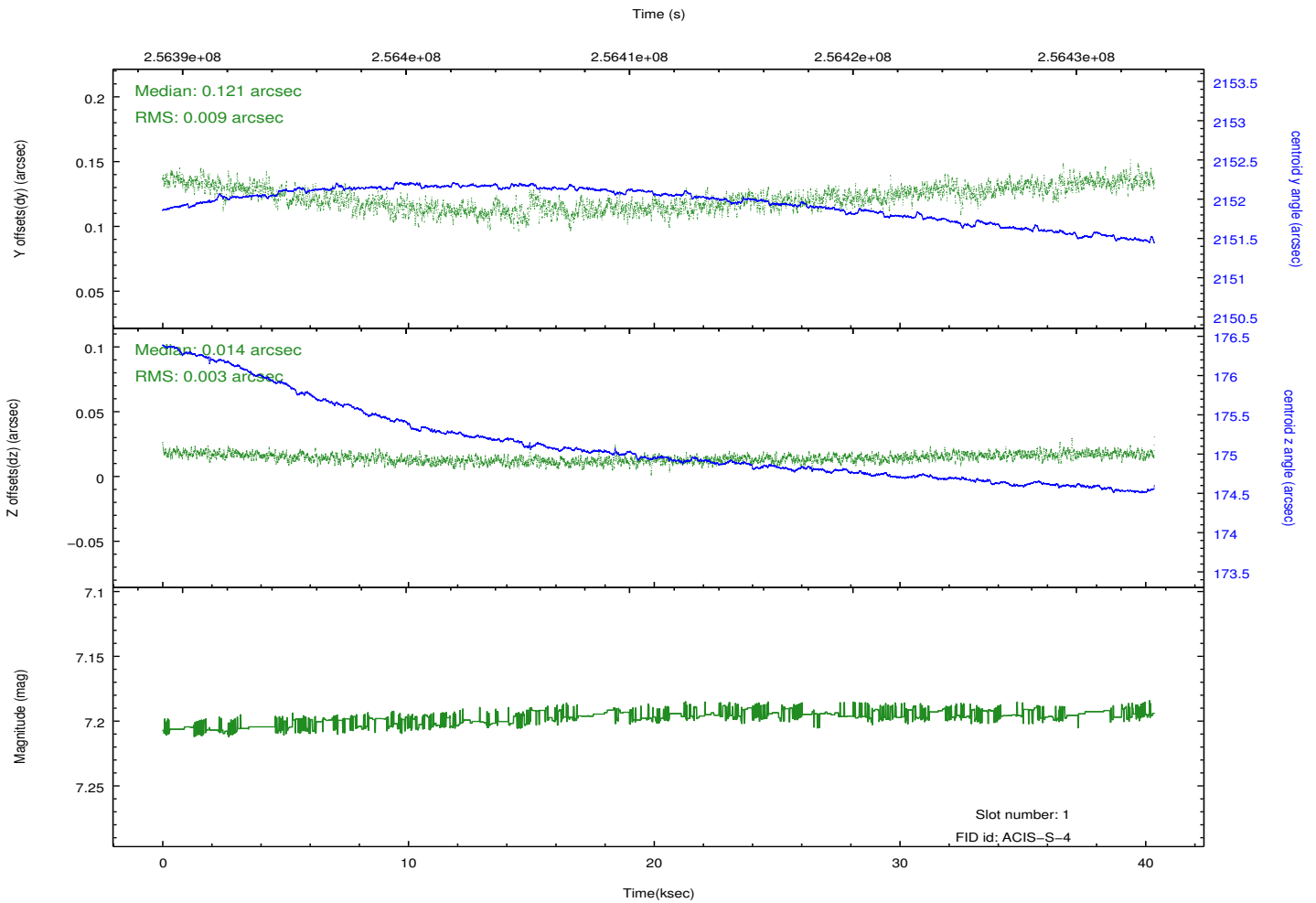
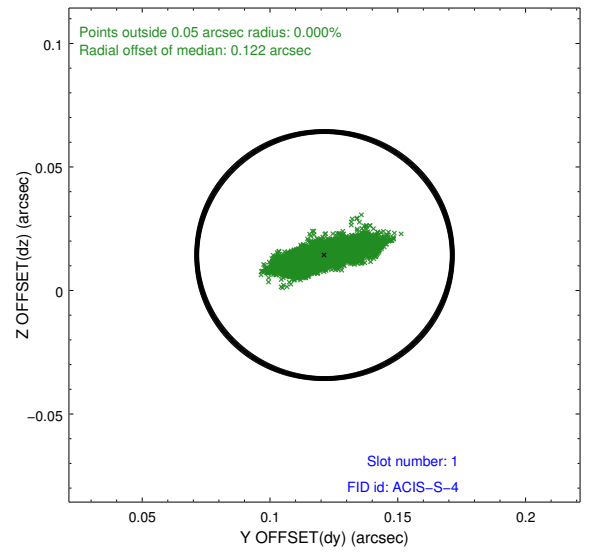
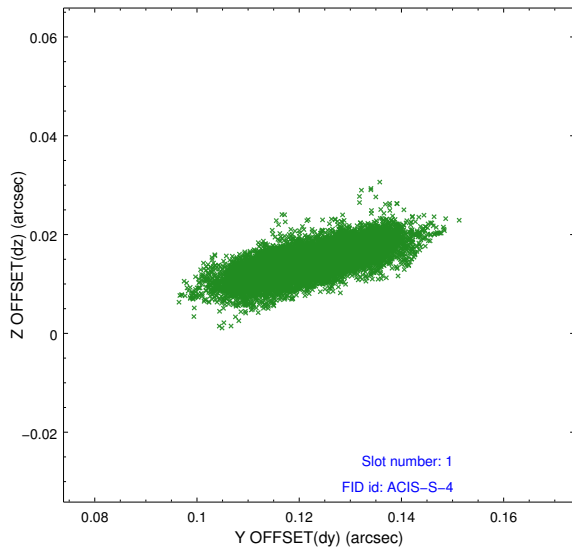


2.5 FID Slots

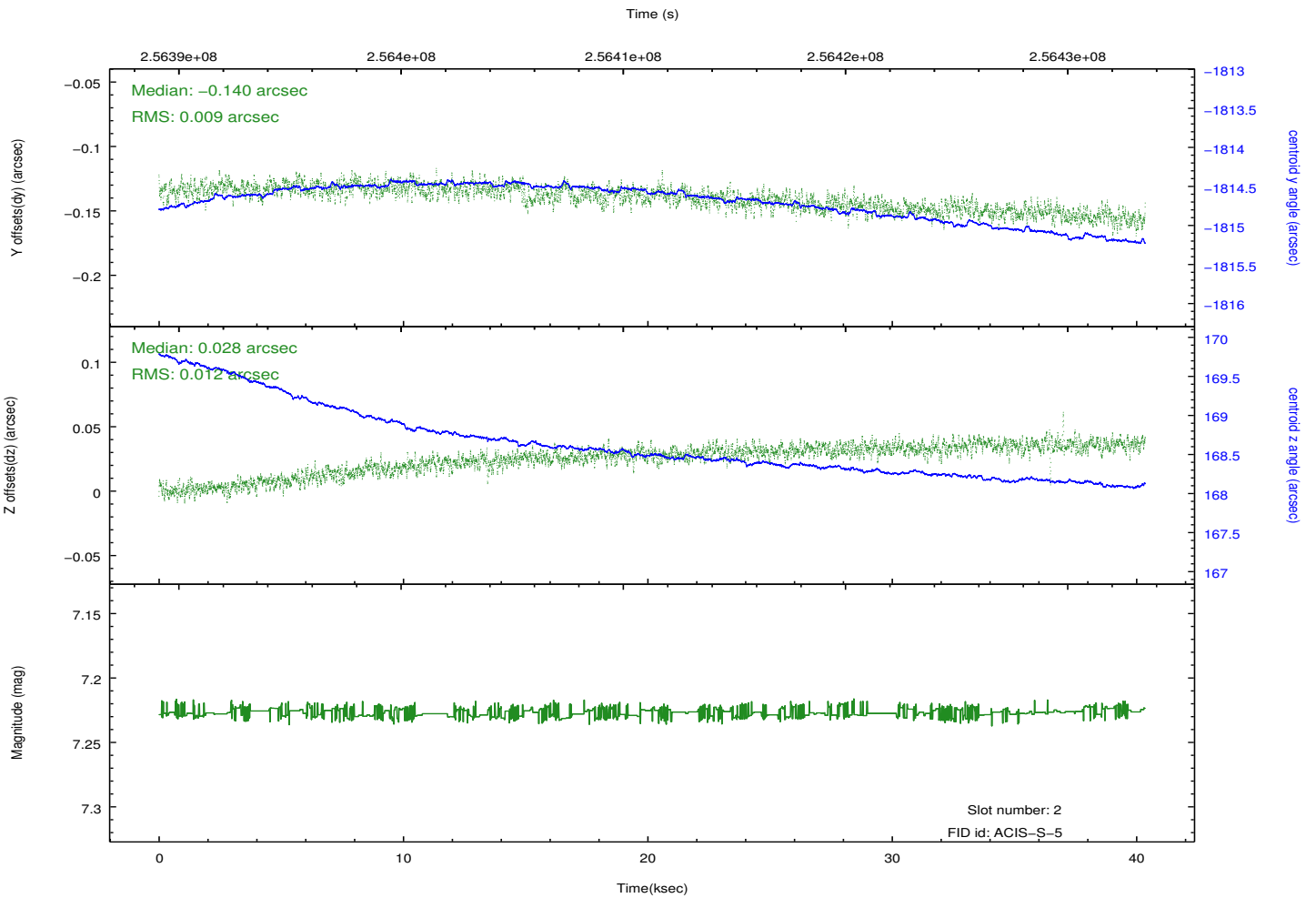
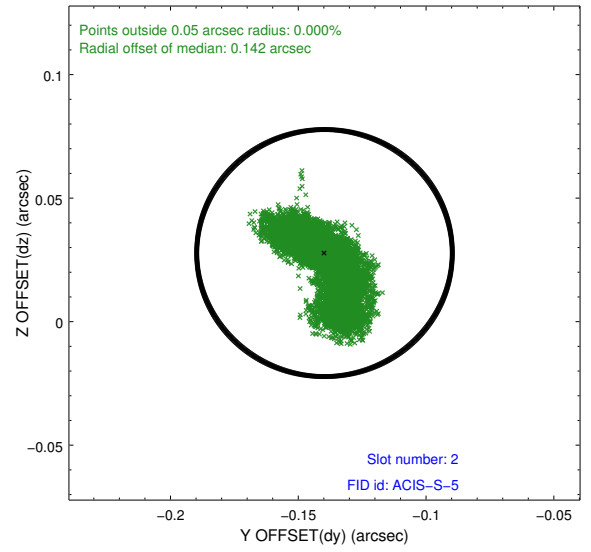
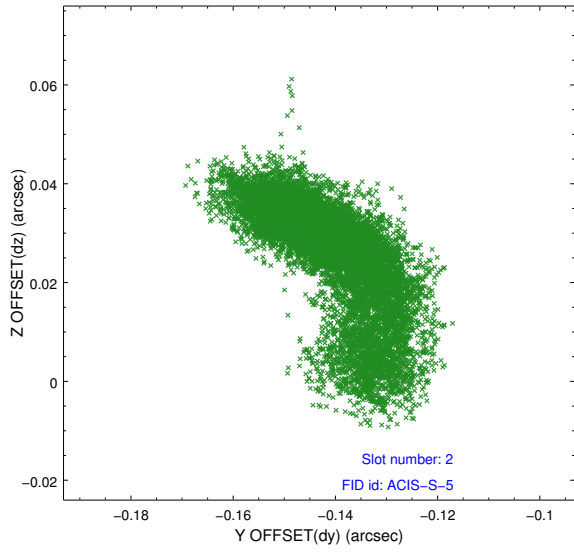
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.356

A.2 Comments