

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13861 - L2 Version 1
Chandra X-Ray Center

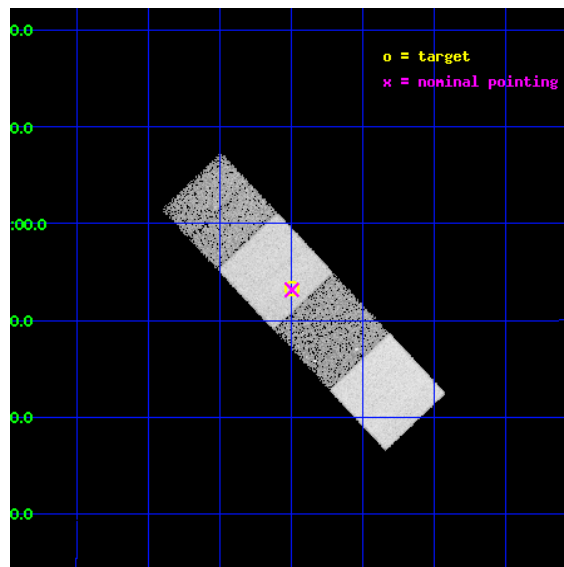
L2 Processing Date : May 3 2012

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

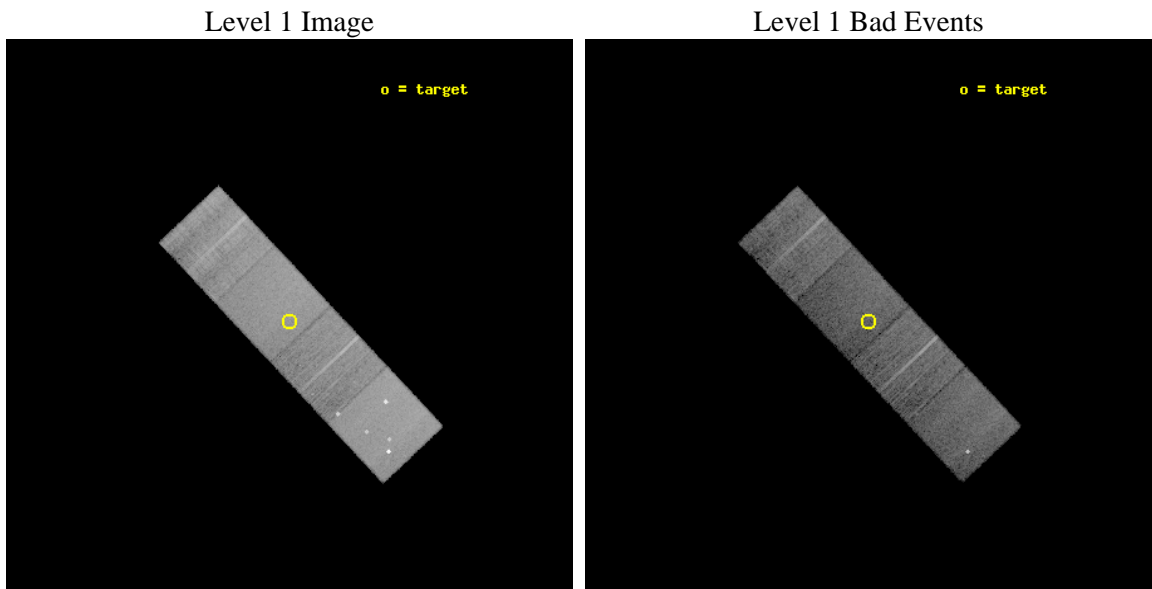
seq_num	702587	Sequence number
obs_id	13861	Observation id
title	The Radio--X-ray--BH-Mass Plane for the Smallest Supermassive Black Holes	Proposal title
observer	Dr. Kayhan Gultekin	Principal investigator
object	SDSS J131659.37+035319.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	199.2475	Observer's specified target RA [deg]
dec_targ	3.888833	Observer's specified target Dec [deg]
ra_nom	199.24828648058	Nominal RA [deg]
dec_nom	3.8859038384579	Nominal Dec [deg]
roll_nom	226.67743037642	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.100115895	Sum of GTIs [s]
livetime	14872.211229171	Livetime [s]
ontime5	15069.100115895	Sum of GTIs [s]
ontime6	15069.100115895	Sum of GTIs [s]
ontime7	15069.100115895	Sum of GTIs [s]
ontime8	15069.100115895	Sum of GTIs [s]
l2events	137892	Number of level 2 events



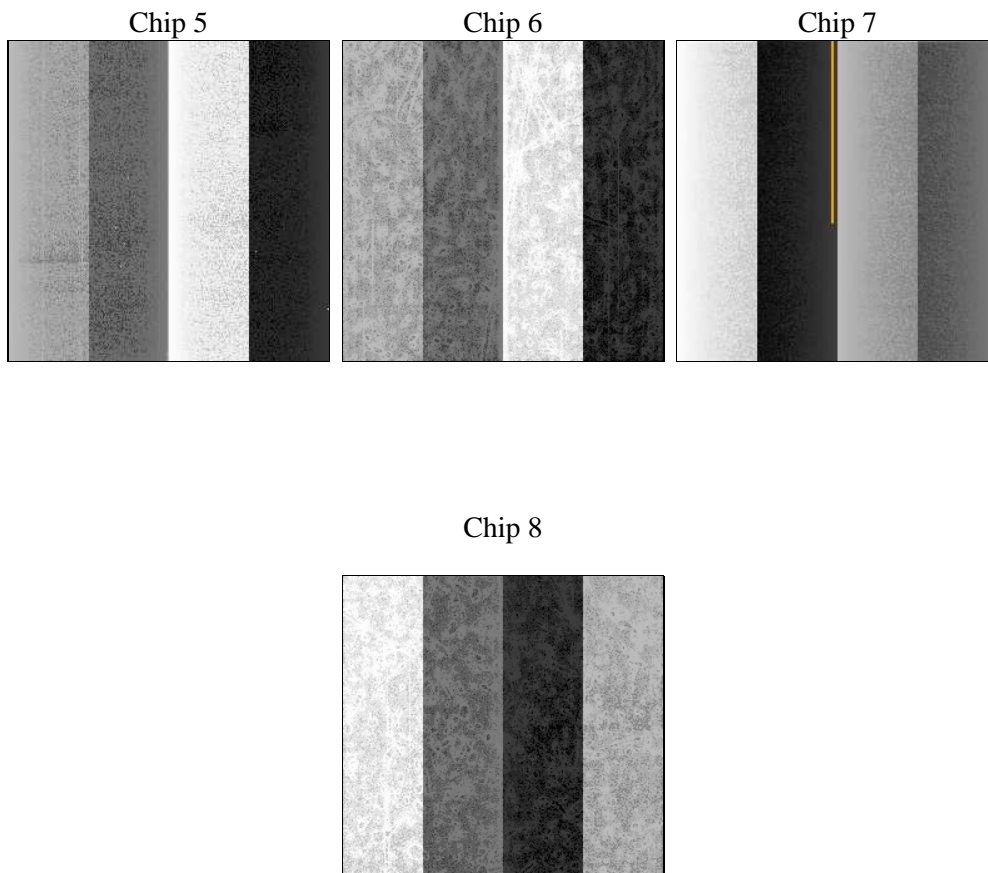
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15069.100115895	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	15069.100115895	Sum of GTIs [s]
date	2012-05-03T17:09:43	Date and time of file creation	ontime6	15069.100115895	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15069.100115895	Sum of GTIs [s]
			ontime8	15069.100115895	Sum of GTIs [s]
			l1events	488889	Number of level 1 events

2.1.4 Events

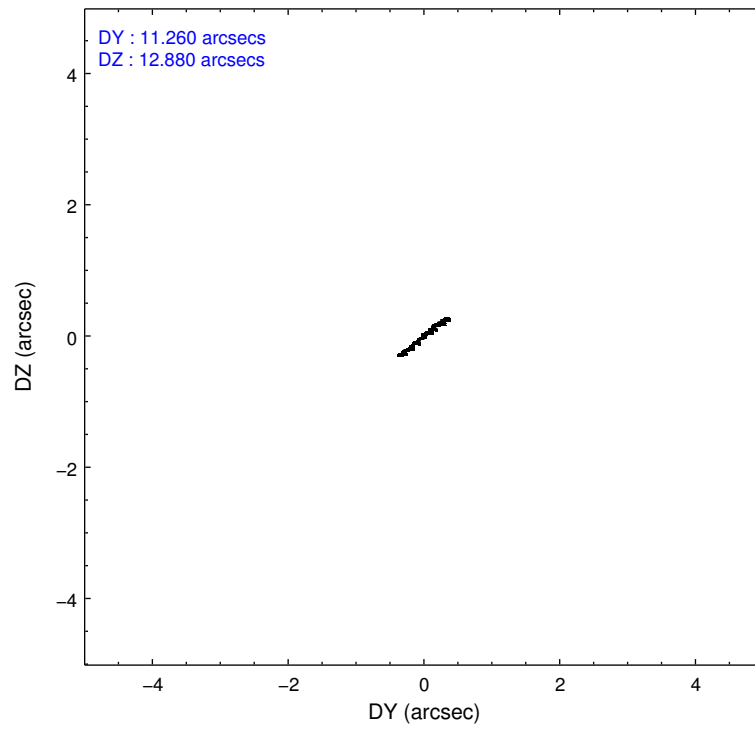
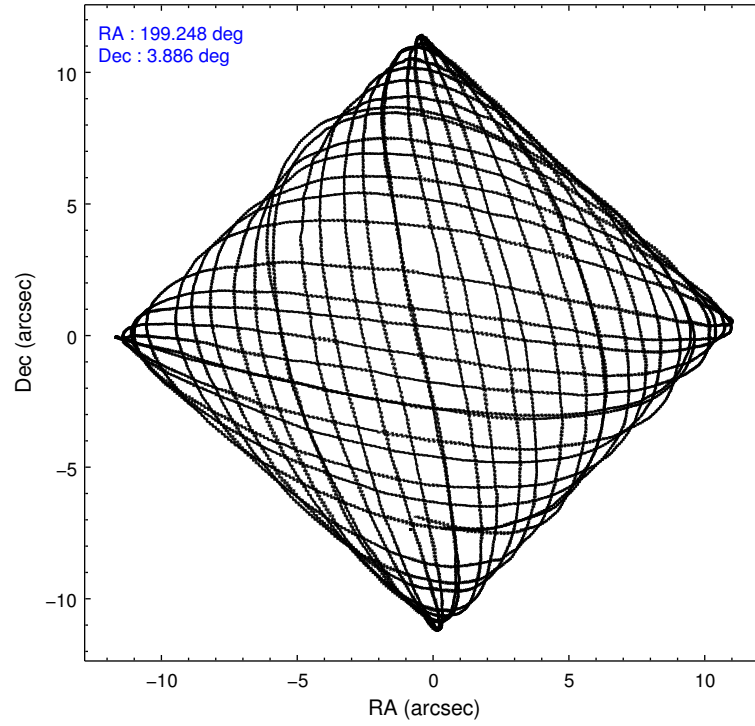
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	157793	92065	118843	120188
rejected events	76381	81230	66539	88788
rejected %	48%	88%	55%	73%

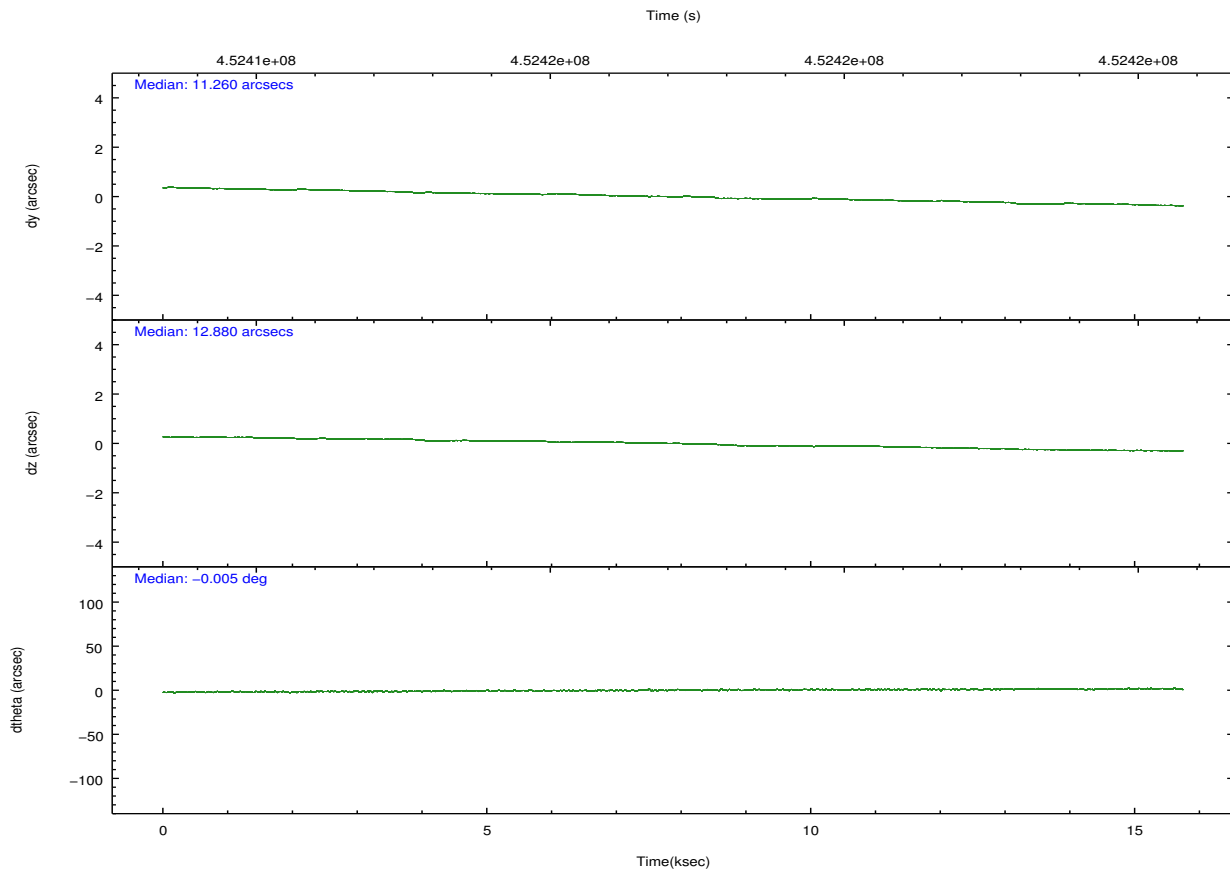
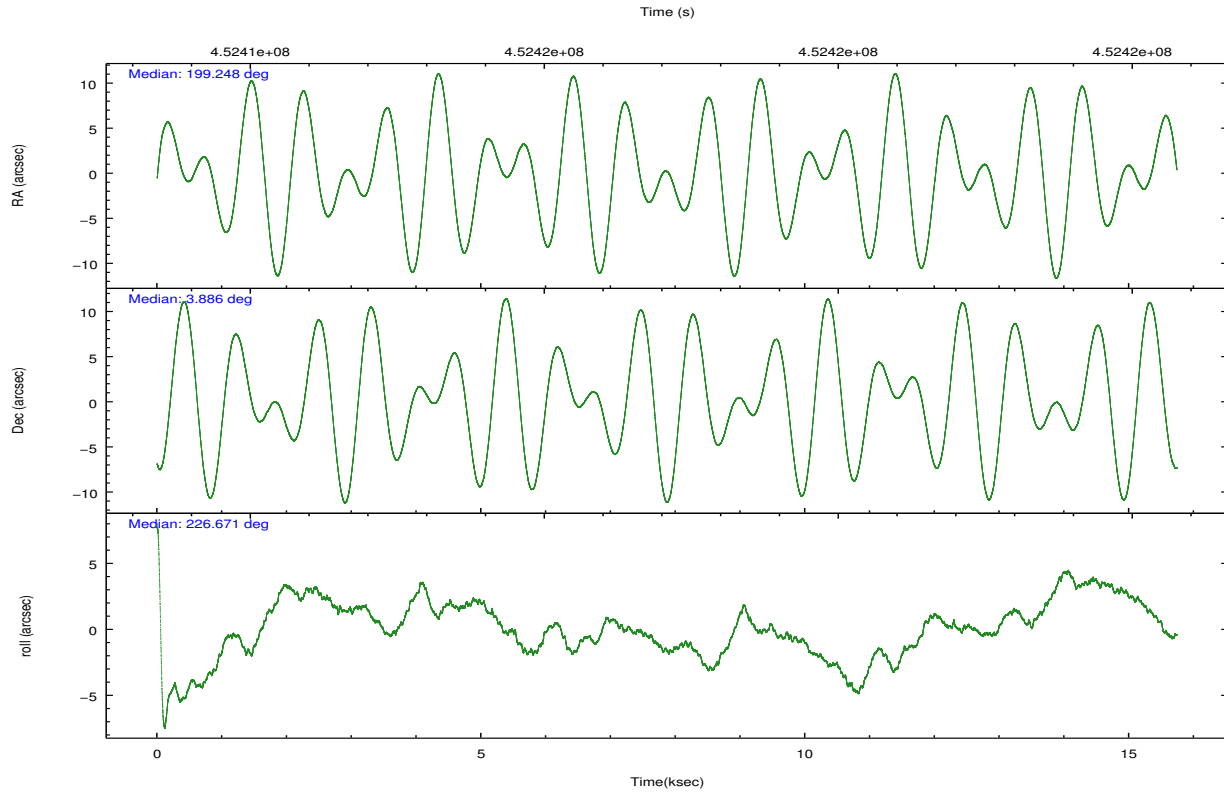
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	15756	3817	4704	8797
	9%	4%	3%	7%
grade 1 events	1862	39	111	92
	1%	0%	0%	0%
grade 2 events	21408	2308	10650	7522
	13%	2%	8%	6%
grade 3 events	3157	1132	4472	3361
	2%	1%	3%	2%
grade 4 events	2791	1119	4360	3168
	1%	1%	3%	2%
grade 5 events	10470	4424	12386	6631
	6%	4%	10%	5%
grade 6 events	38319	2460	28130	8577
	24%	2%	23%	7%
grade 7 events	64030	76766	54030	82040
	40%	83%	45%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	199.254189	199.2482864805764	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.912590	3.885903838457869	Alternating exposures requested	N	N
[deg] Pointing Roll	226.520396	226.6774303764197	[s] Primary exposure time	0.000000	3.1
[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)	452409963.184000	452407787.93464			
Observation start date	2012-05-03T05:24:57	2012-05-03T04:49:47			
[s] Observation end time (MET)	452424963.184000	452425697.76059			
Observation end date	2012-05-03T09:34:57	2012-05-03T09:48:17			
Read mode	TIMED	TIMED			

2.3 Aspect



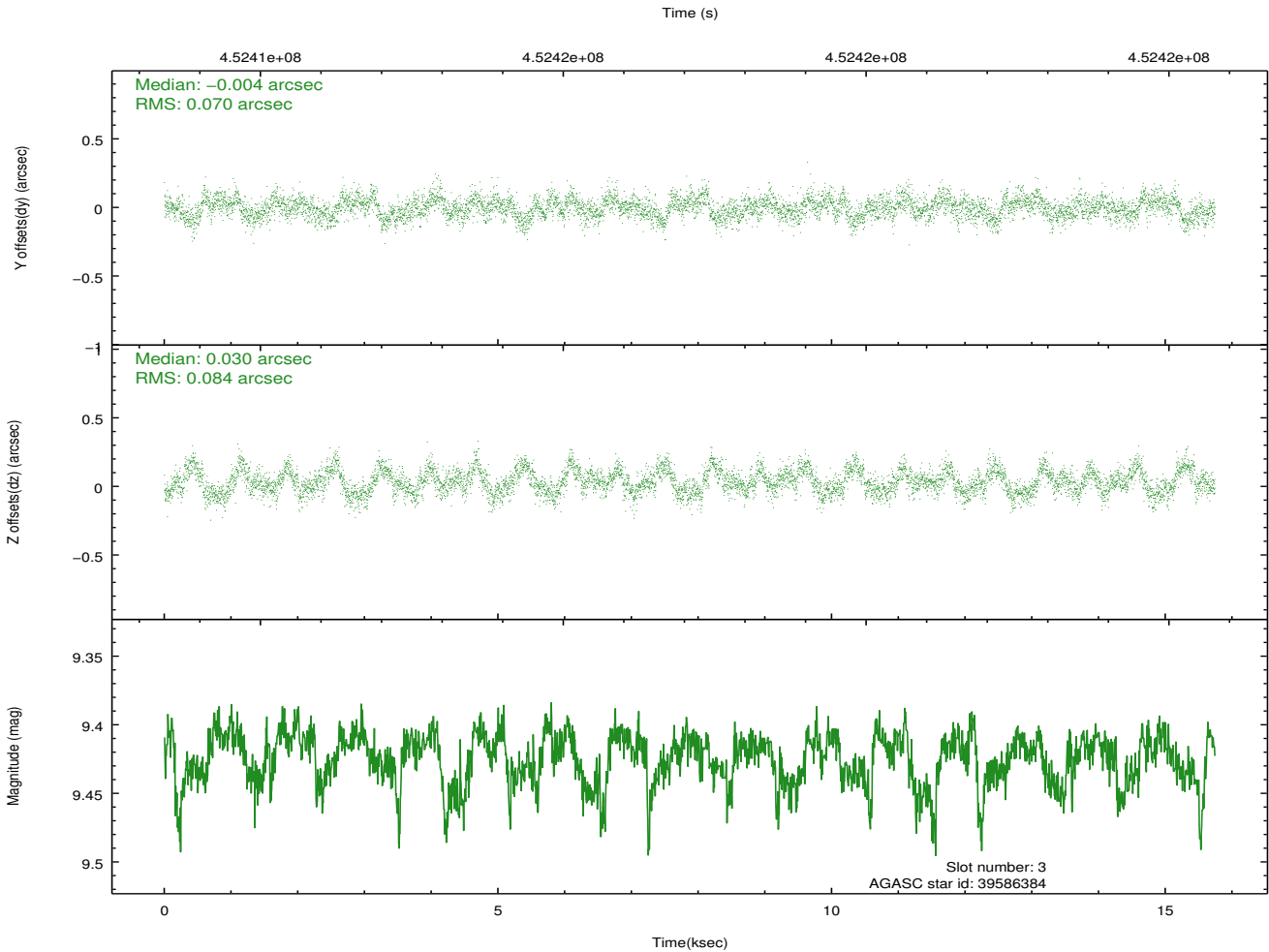
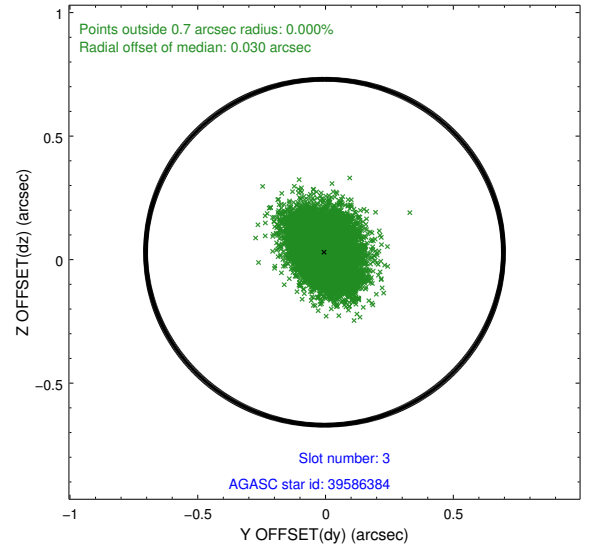
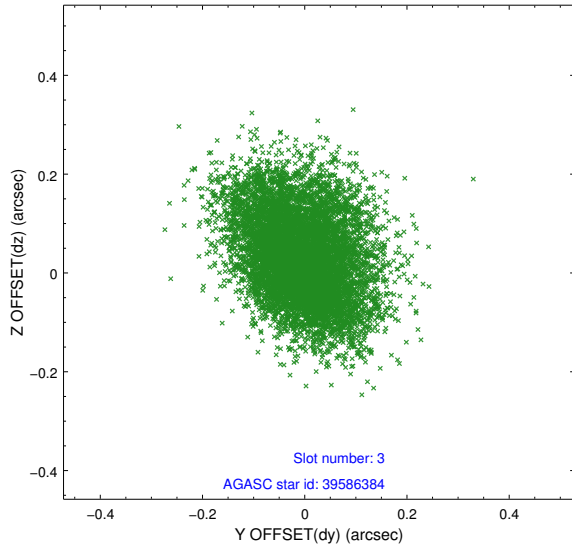


Slot Statistics

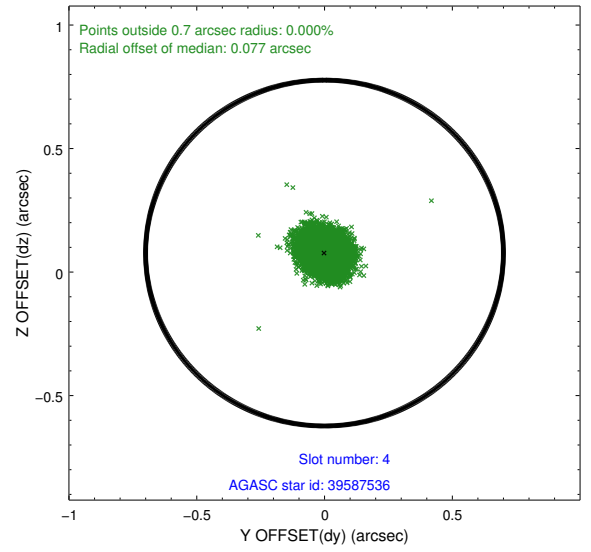
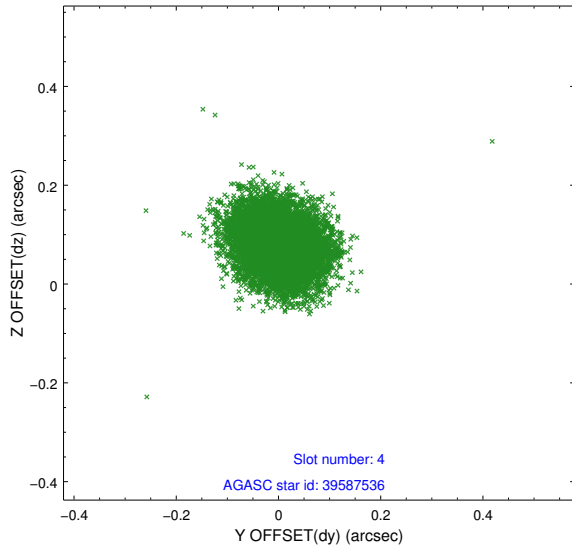
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.05	3840	0.103	-0.075	0.007	0.012	0.000000	0.000000	931.99	-1729.90
1	FID	ACIS-S-5	7.09	3840	-0.146	0.070	0.009	0.013	0.000000	0.000000	-1817.07	167.55
2	FID	ACIS-S-6	7.19	3839	0.021	0.016	0.012	0.019	0.000000	0.000000	397.20	811.74
3	GUIDE	39586384	9.42	7671	-0.004	0.030	0.116	0.190	199.813702	4.188582	-2103.48	773.40
4	GUIDE	39587536	8.32	7678	-0.000	0.077	0.070	0.112	199.016200	3.964200	453.79	-748.41
5	GUIDE	39588416	6.75	7680	-0.044	0.040	0.065	0.104	199.777917	3.722836	-799.20	1834.78
6	GUIDE	39588792	7.05	7679	0.003	-0.141	0.051	0.082	199.593097	3.752403	-419.34	1280.16
7	GUIDE	39592424	8.96	7671	0.042	-0.011	0.098	0.154	199.586851	3.626425	-74.85	1576.05

2.4 Star Slots

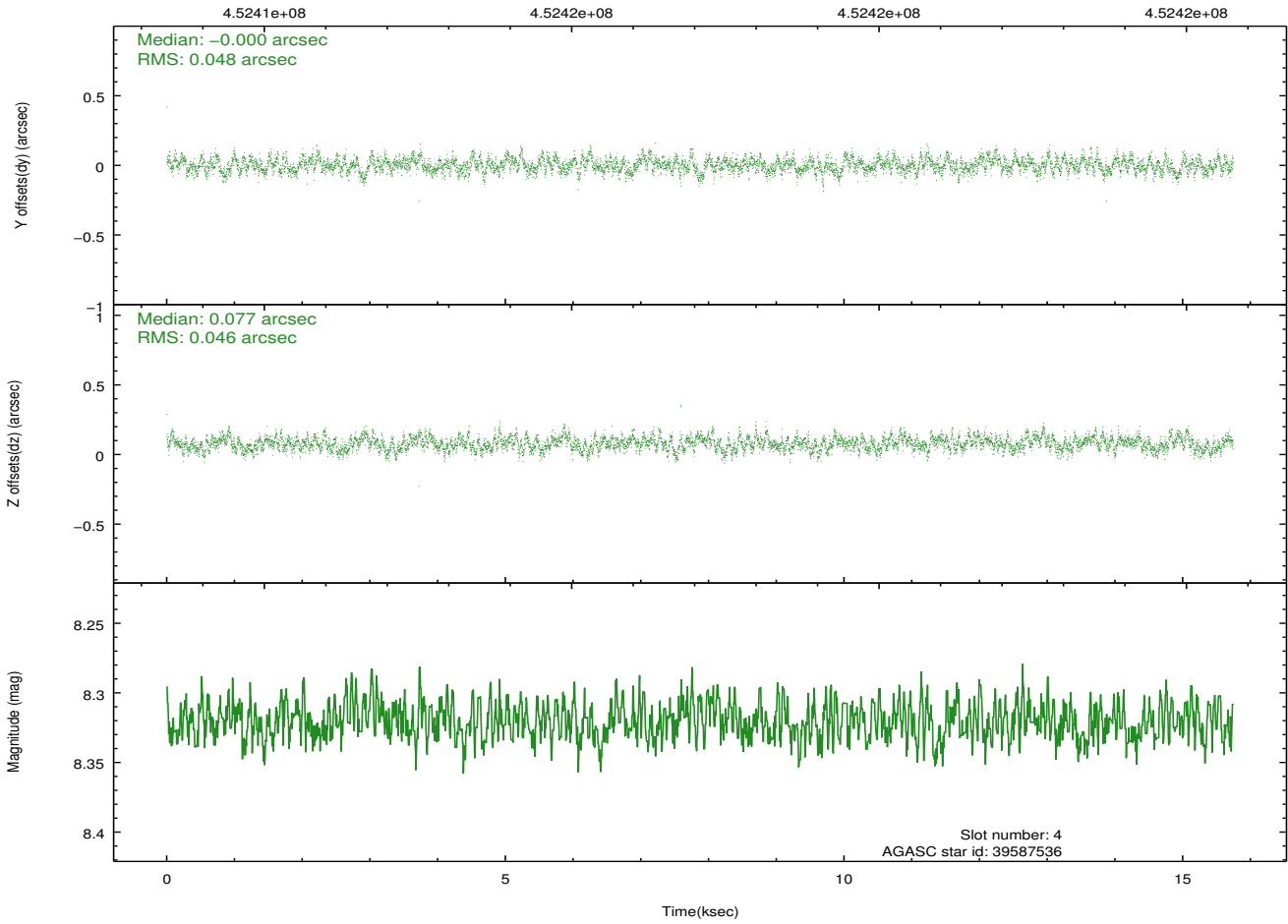
2.4.1 Slot 3



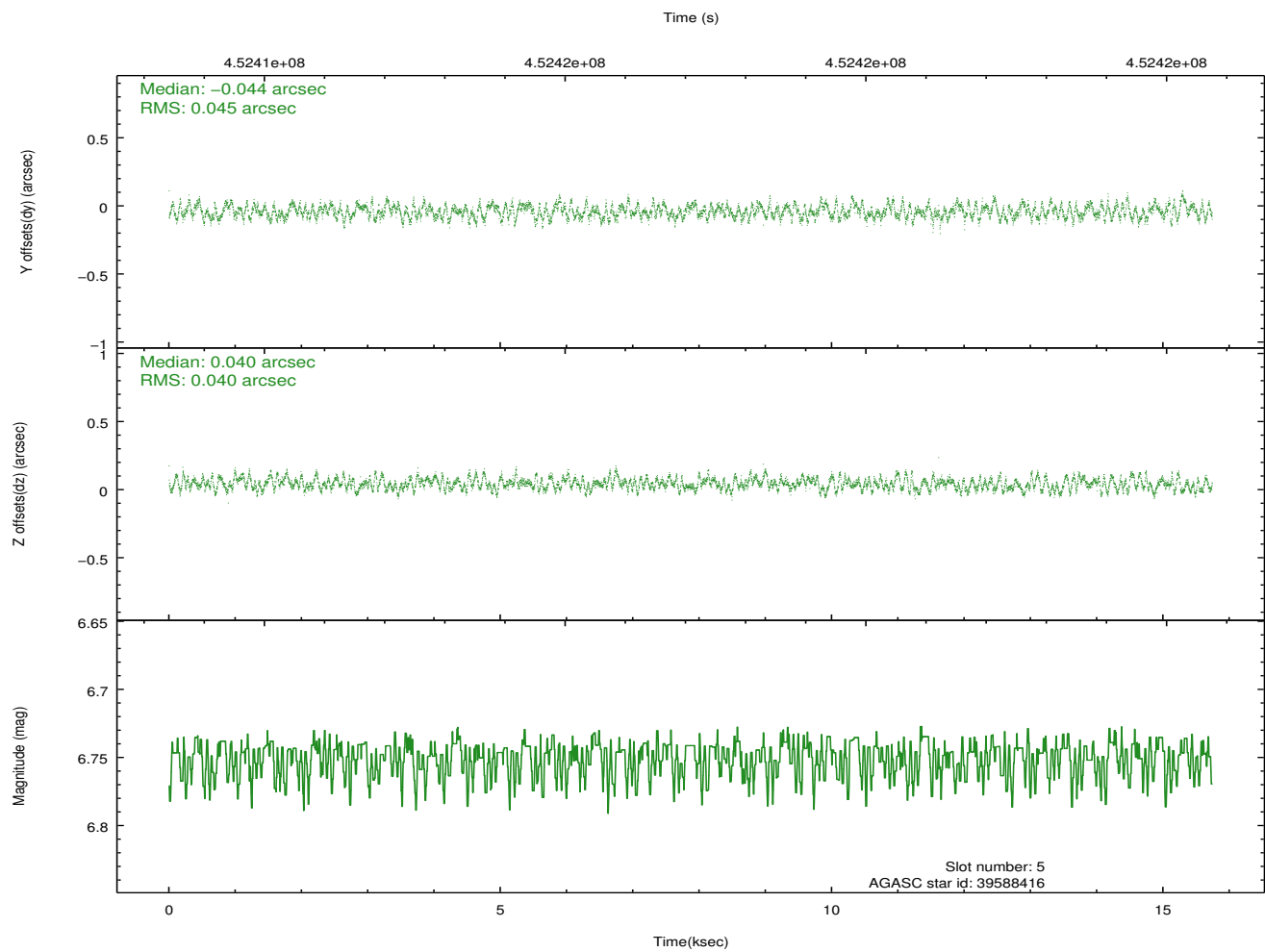
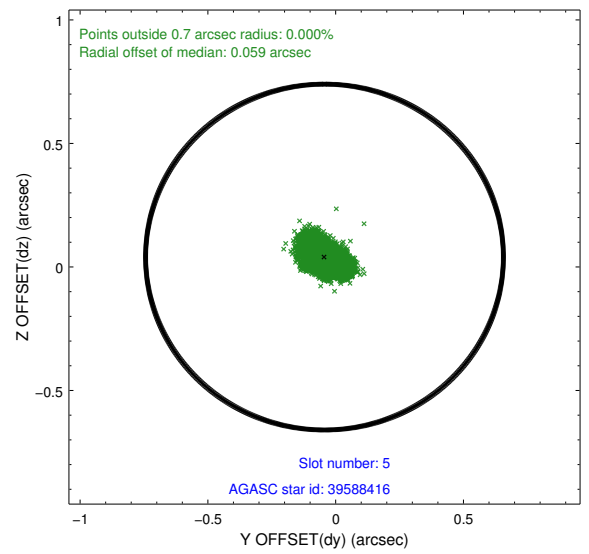
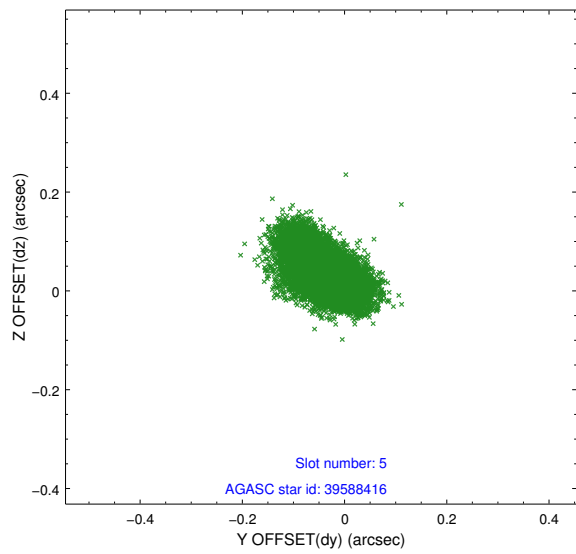
2.4.2 Slot 4



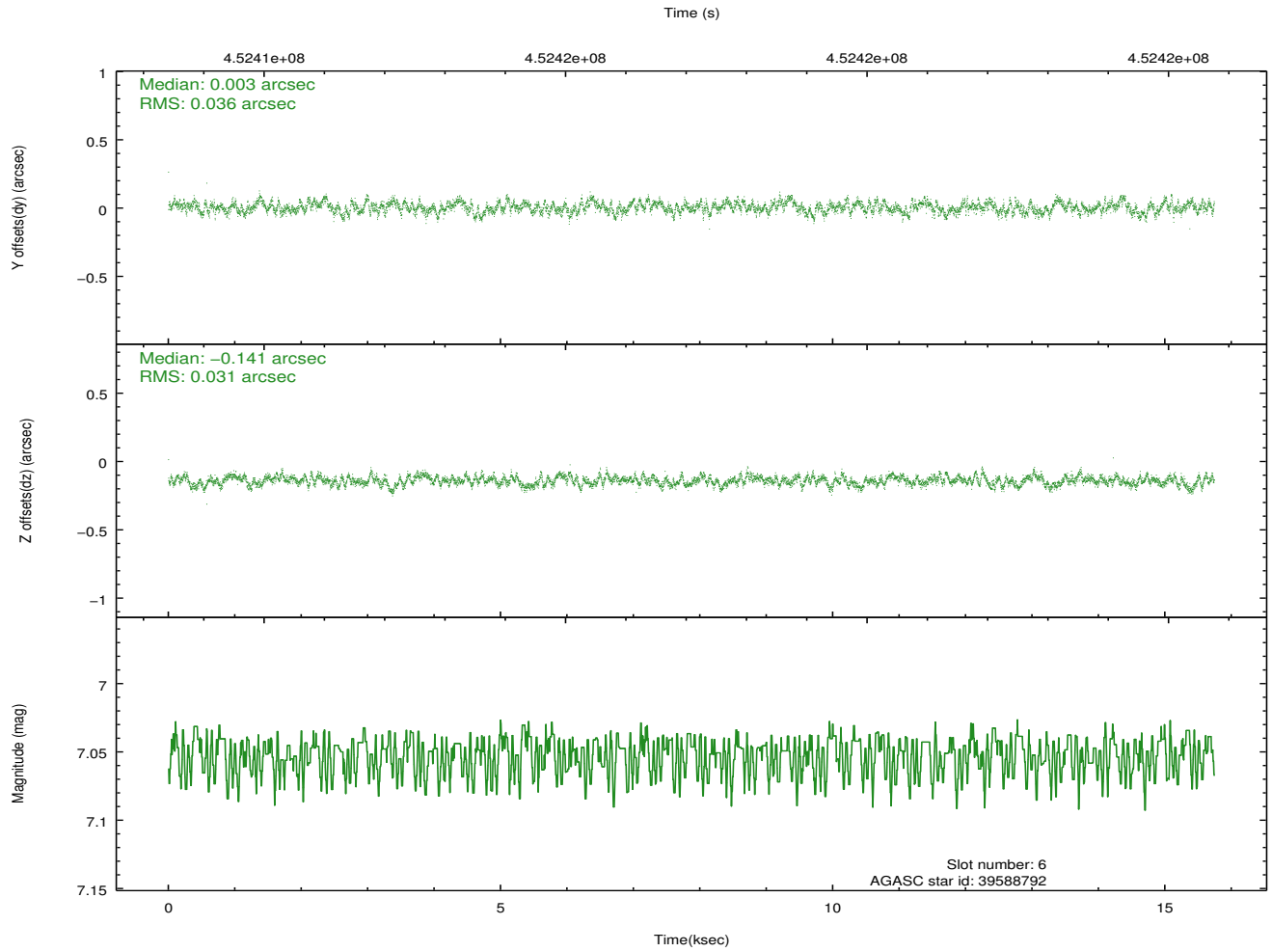
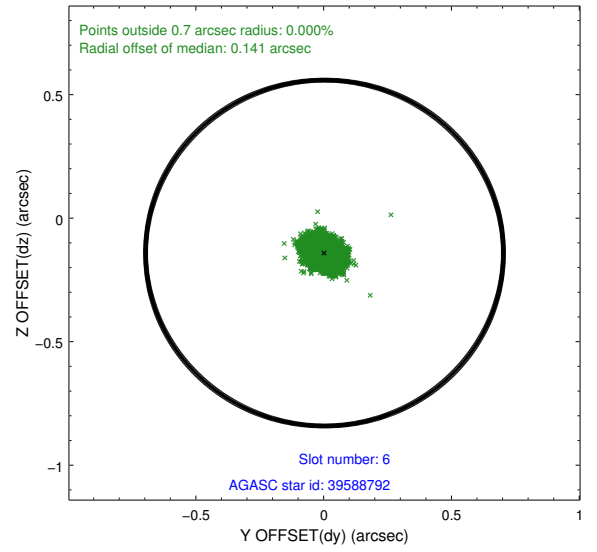
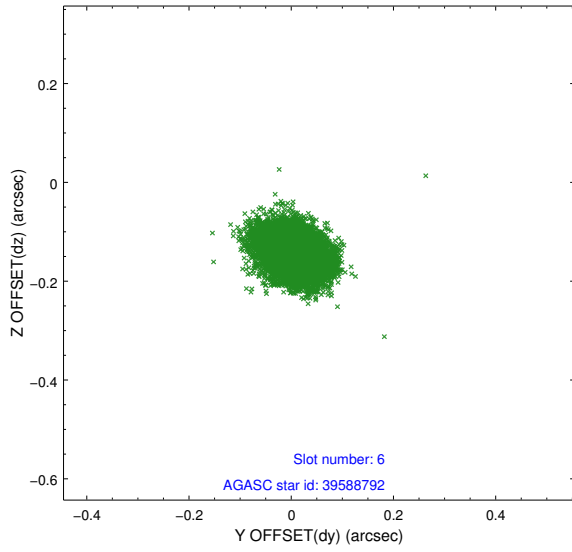
Time (s)



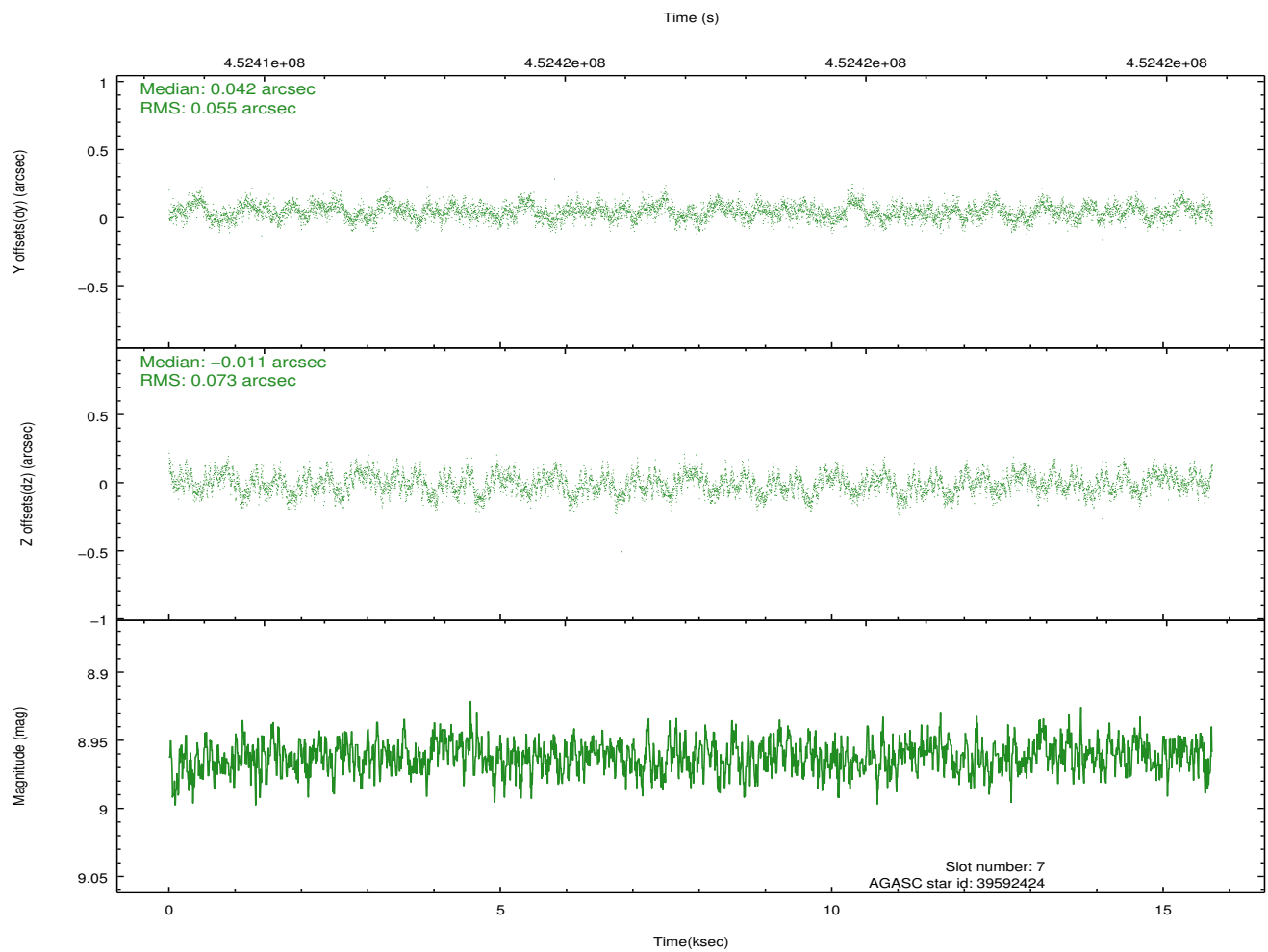
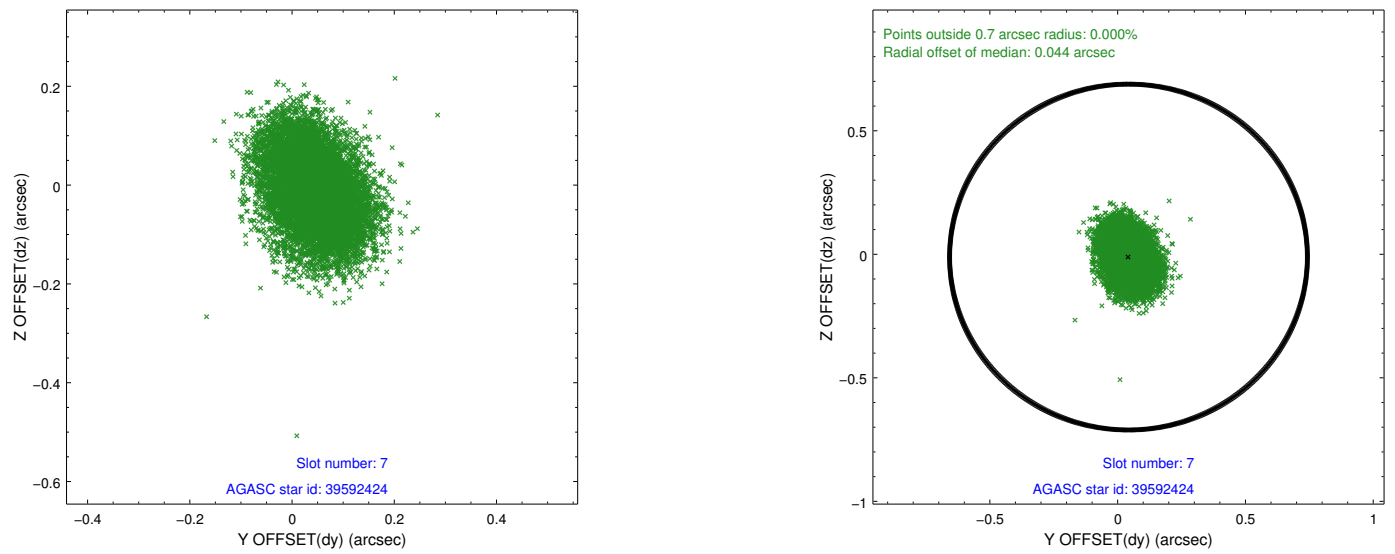
2.4.3 Slot 5



2.4.4 Slot 6

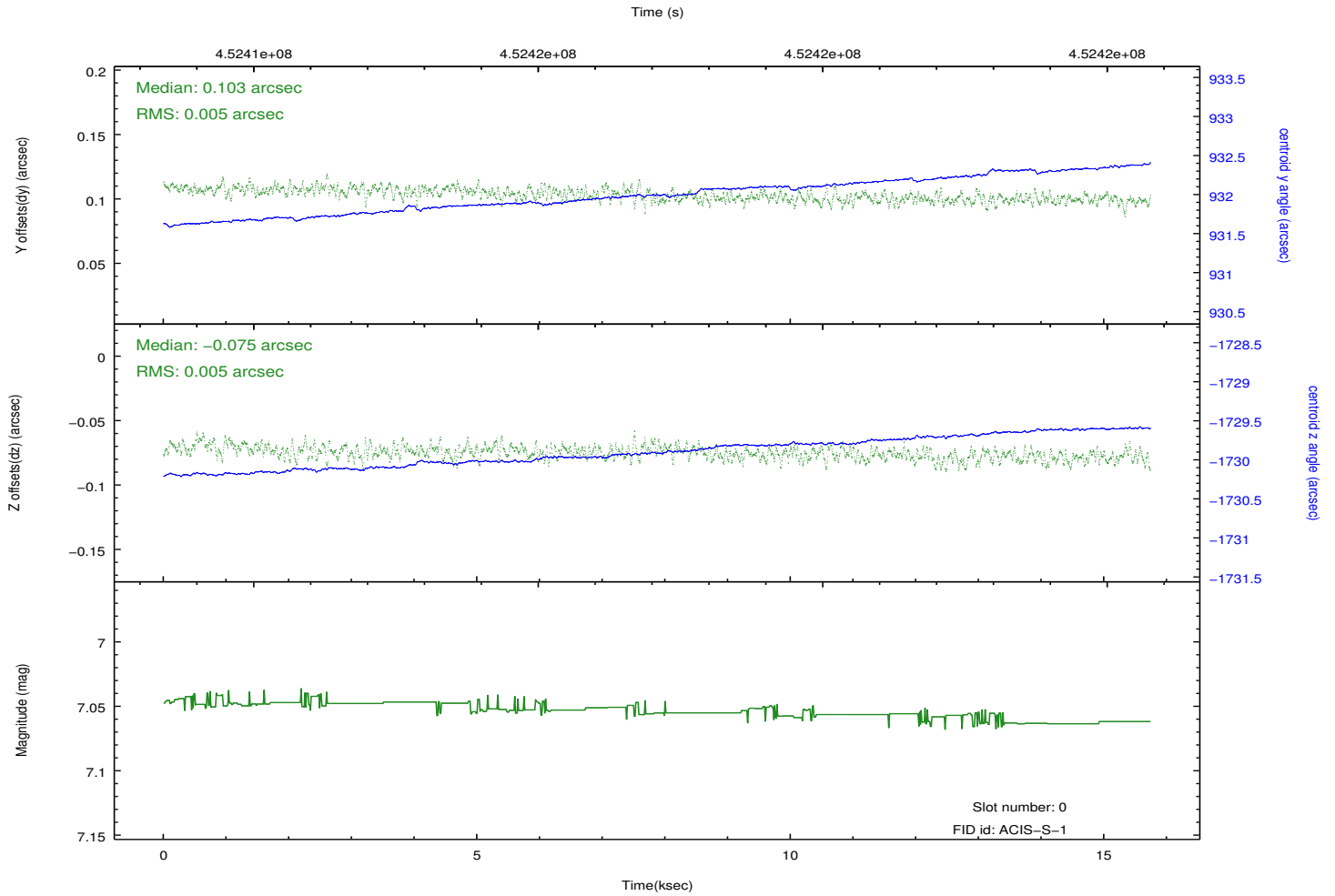
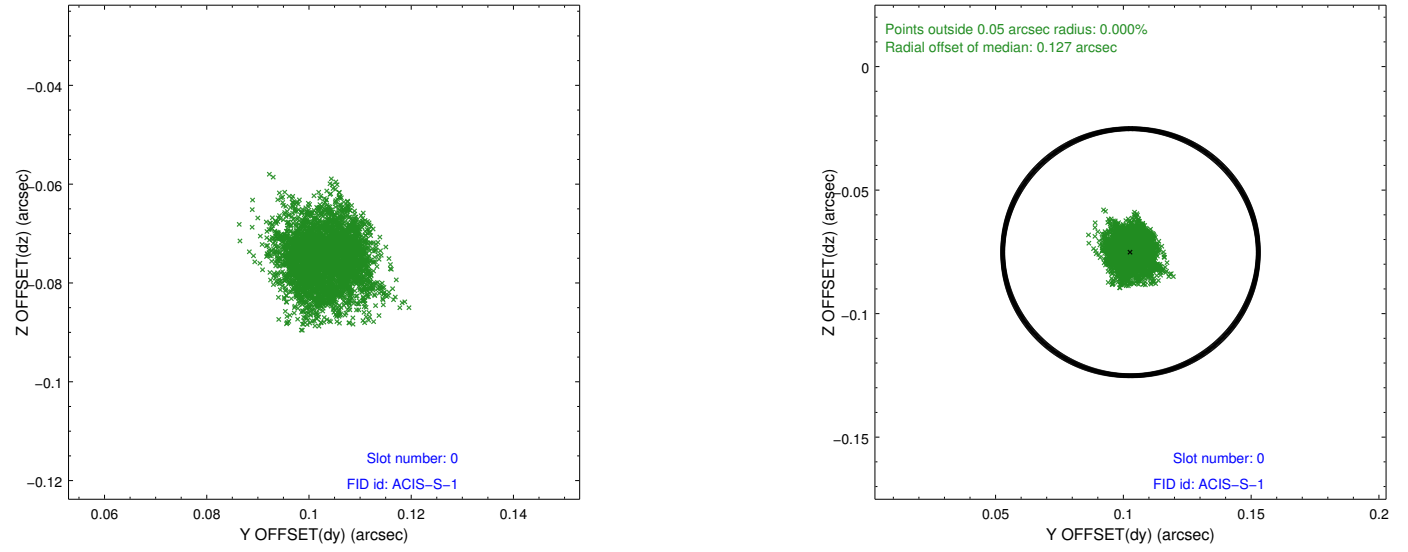


2.4.5 Slot 7

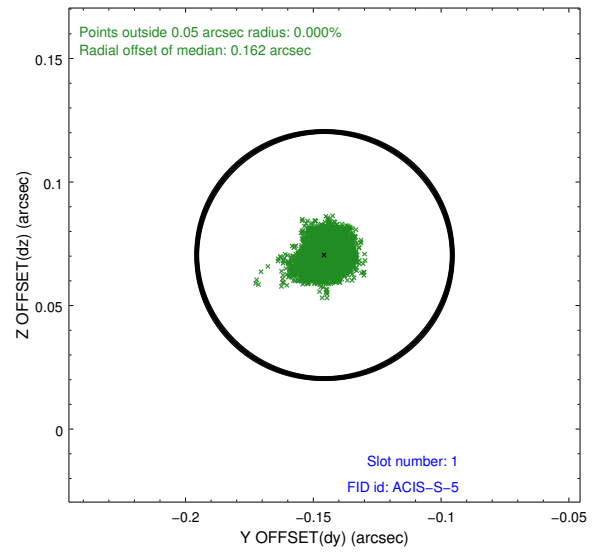
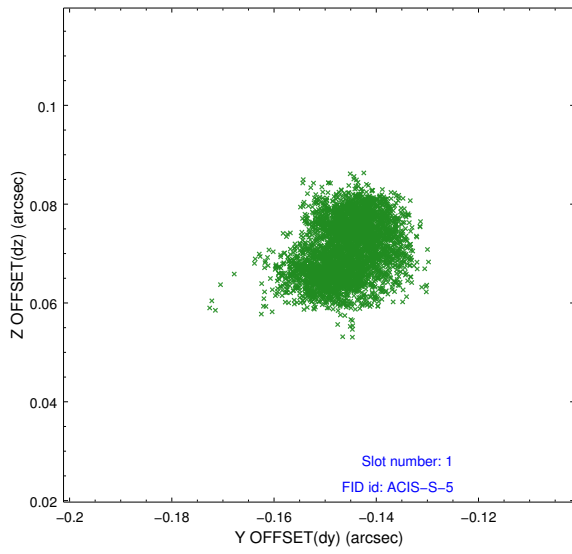


2.5 FID Slots

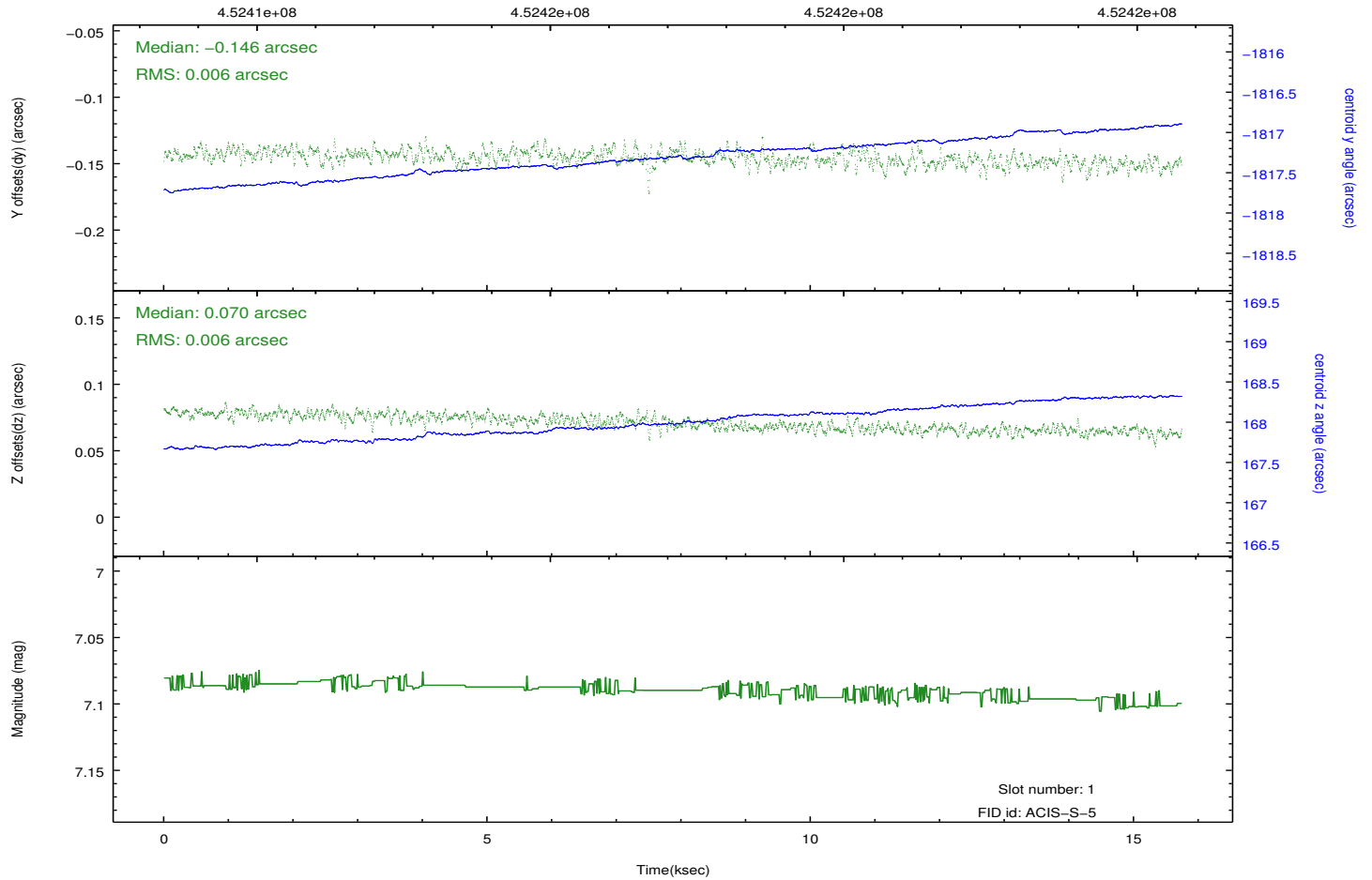
2.5.1 Slot 0



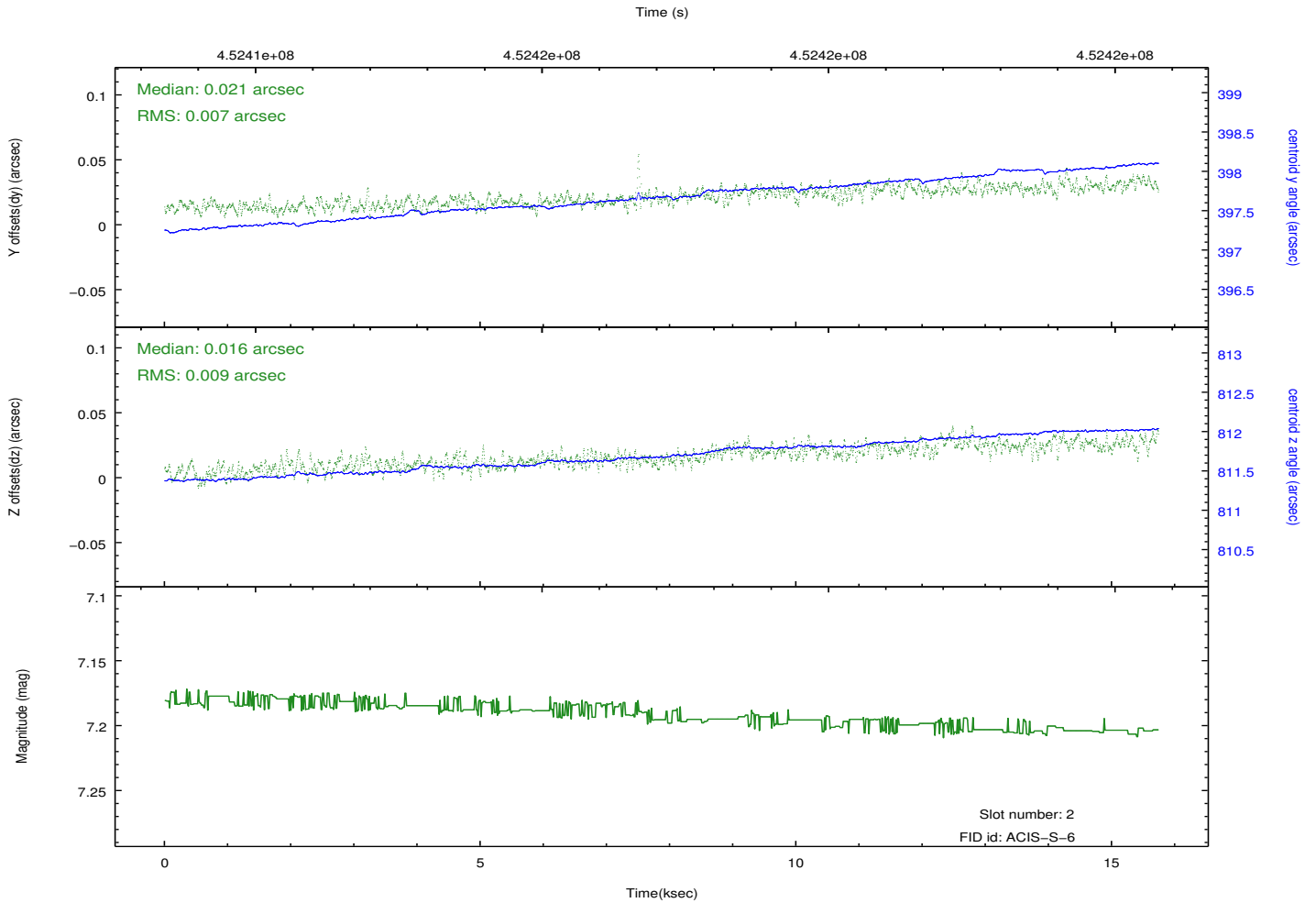
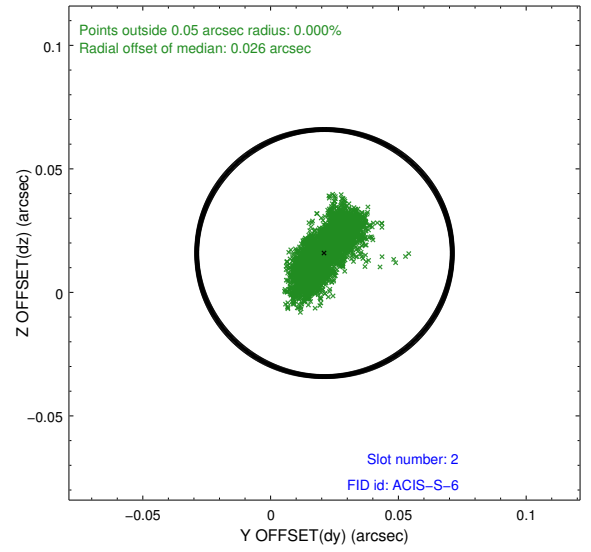
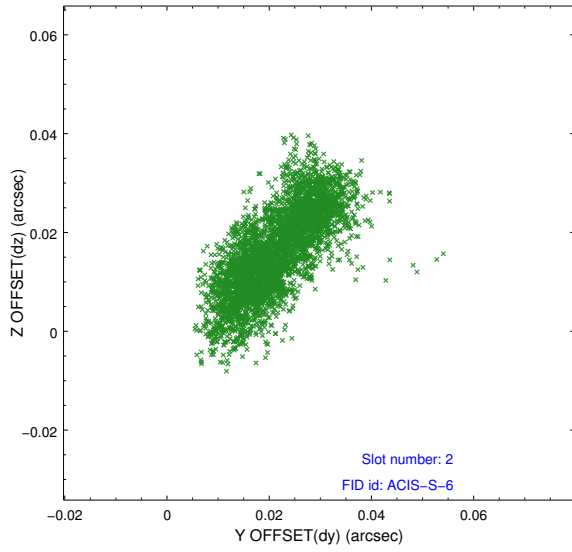
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.069100115895

A.2 Comments

Joint Proposal: NRAO