

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3126 - L2 Version 3
Chandra X-Ray Center

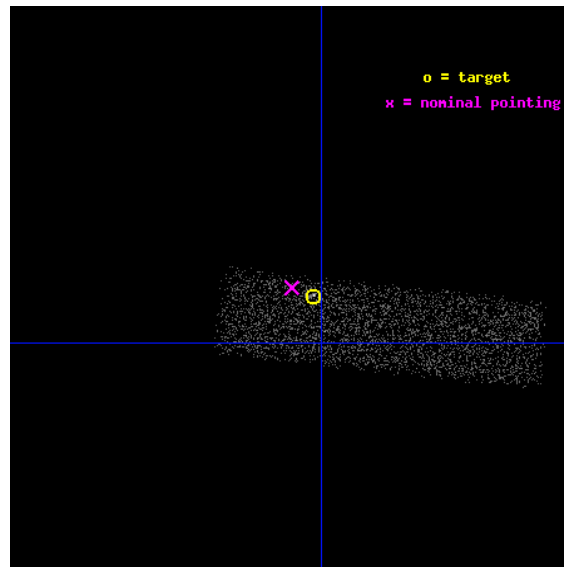
L2 Processing Date : Oct 11 2012

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

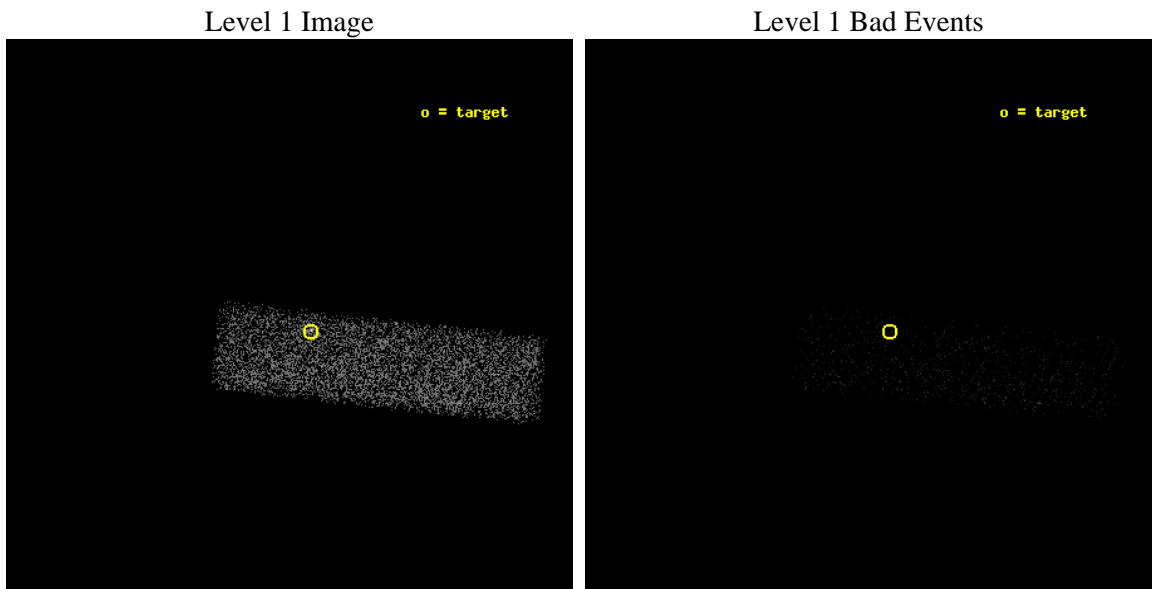
seq_num	700565	Sequence number
obs_id	3126	Observation id
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS	Proposal titl
observer	Dr. Herman Marshall	Principal investigator
object	2101-490	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	316.255417	Observer's specified target RA [deg]
dec_targ	-48.813611	Observer's specified target Dec [deg]
ra_nom	316.26953164373	Nominal RA [deg]
dec_nom	-48.809744960374	Nominal Dec [deg]
roll_nom	6.3645659913365	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5374.4000800848	Sum of GTIs [s]
livetime	5112.1469419622	Livetime [s]
ontime7	5374.4000800848	Sum of GTIs [s]
l2events	4623	Number of level 2 events



2 OBI

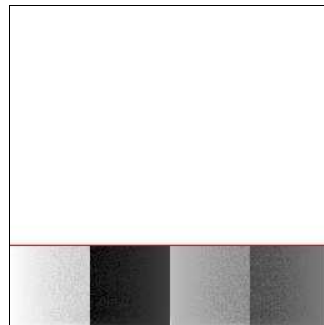
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5374.4000800848	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	5374.4000800848	Sum of GTIs [s]
date	2012-10-11T20:18:41	Date and time of file creation	l1events	10911	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

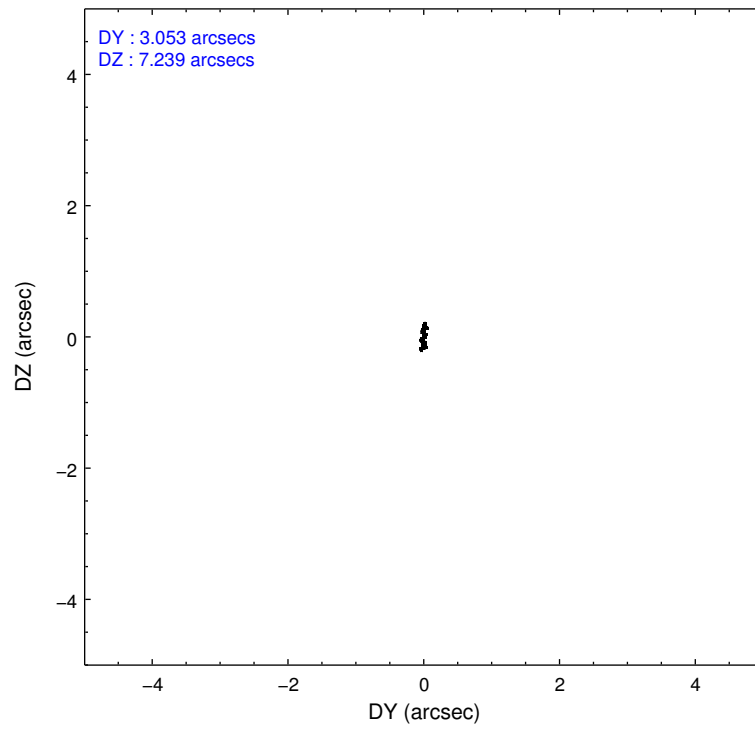
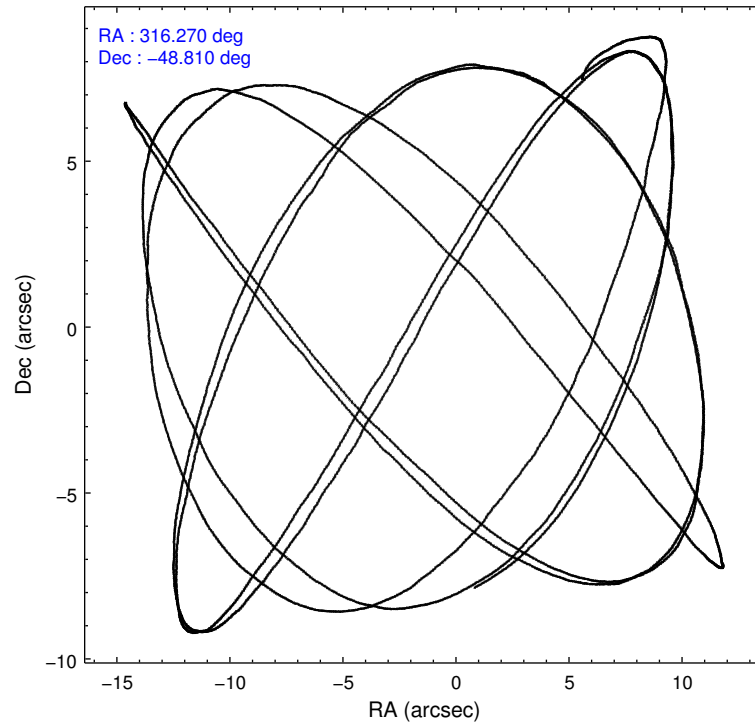
	ccd 7
level 1 events	10911
rejected events	6178
rejected %	56%

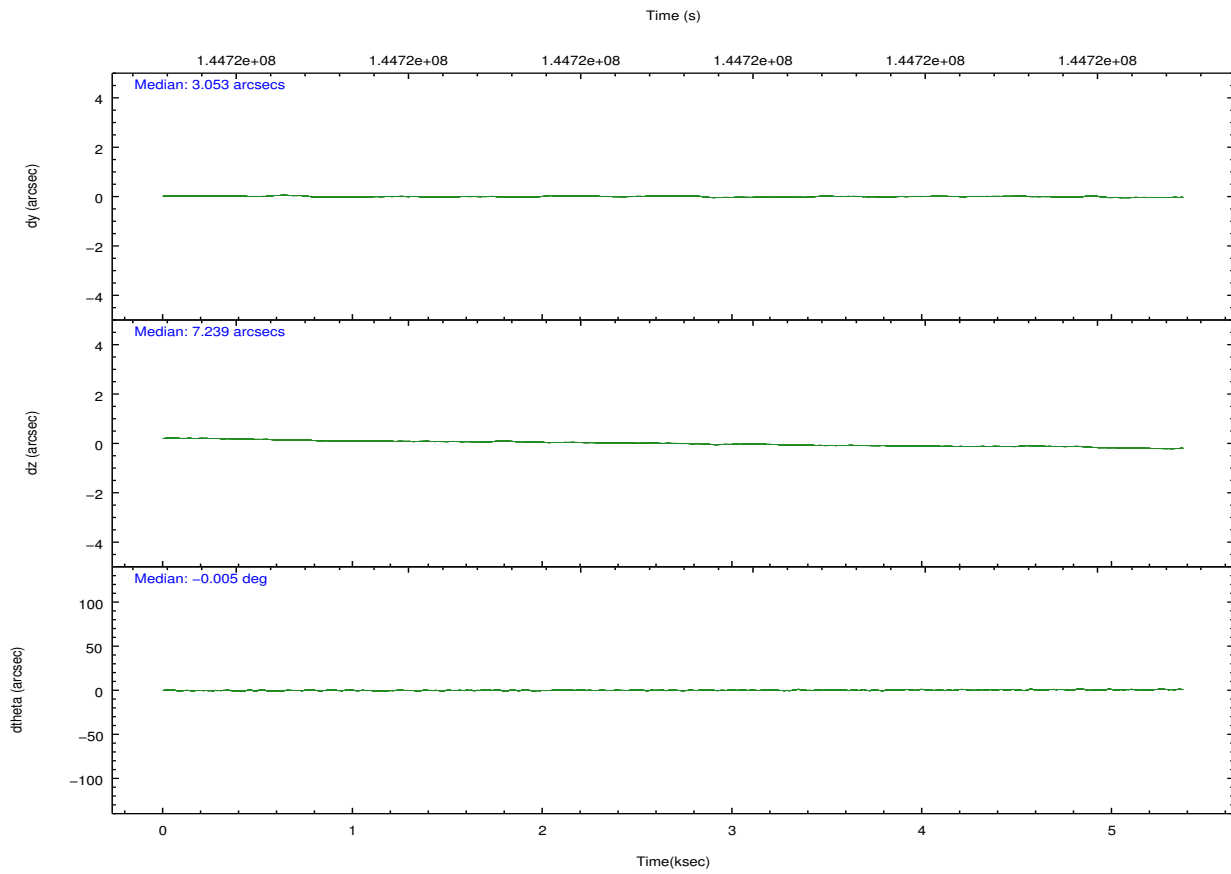
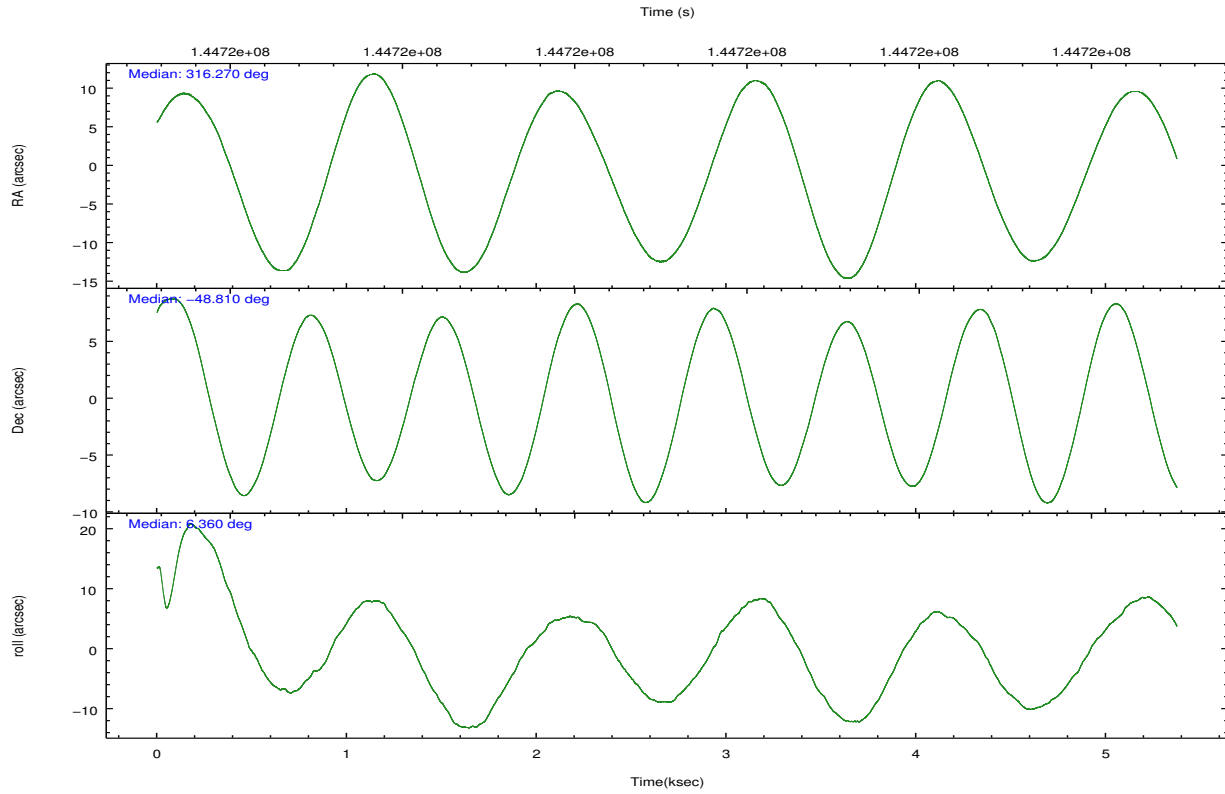
	ccd 7
grade 0 events	573
	5%
grade 1 events	3
	0%
grade 2 events	1041
	9%
grade 3 events	539
	4%
grade 4 events	534
	4%
grade 5 events	995
	9%
grade 6 events	2421
	22%
grade 7 events	4805
	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	316.236366	316.2695316437288	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-48.826256	-48.80974496037352	Subarray start row	1	1
[deg] Pointing Roll	6.182976	6.364565991336477	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	0.8
[mm] SIM translation stage pos	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	144719225.184000	144718173.68852			
Observation start date	2002-08-02T23:46:01	2002-08-02T23:29:33			
[s] Observation end time (MET)	144724225.184000	144725368.67632			
Observation end date	2002-08-03T01:09:21	2002-08-03T01:29:28			
Read mode	TIMED	TIMED			

2.3 Aspect



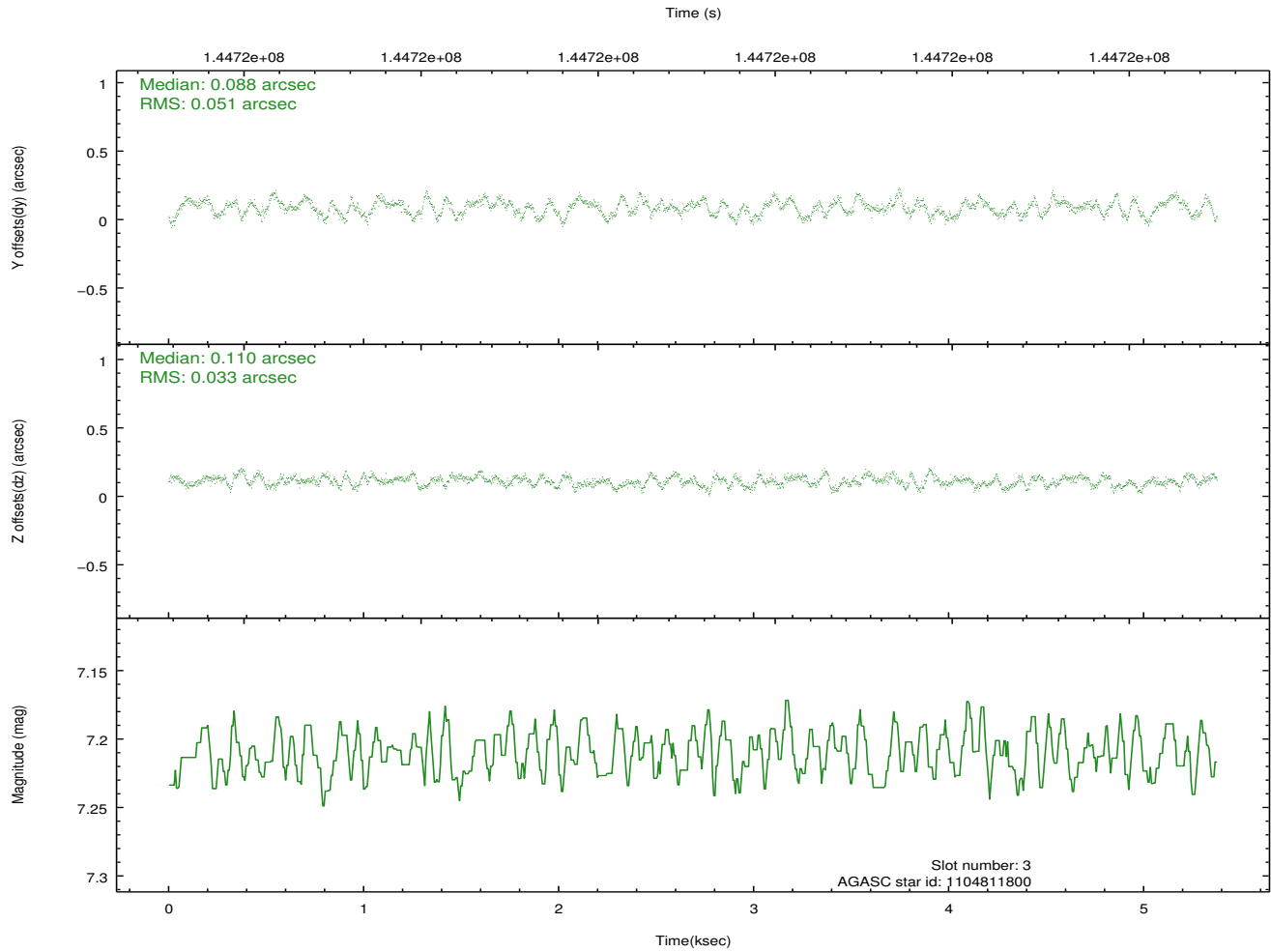
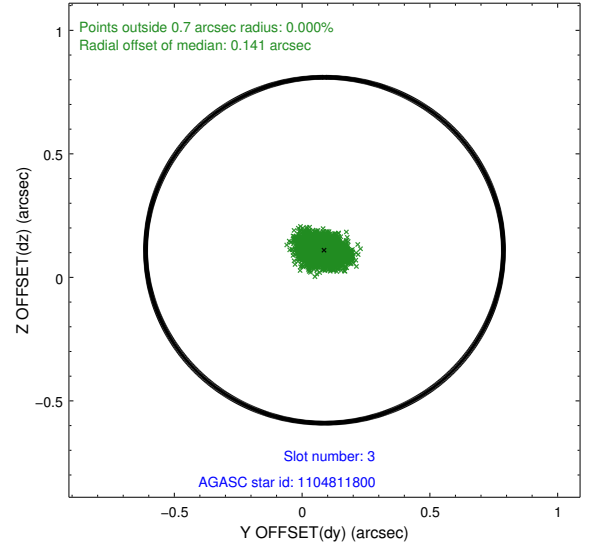
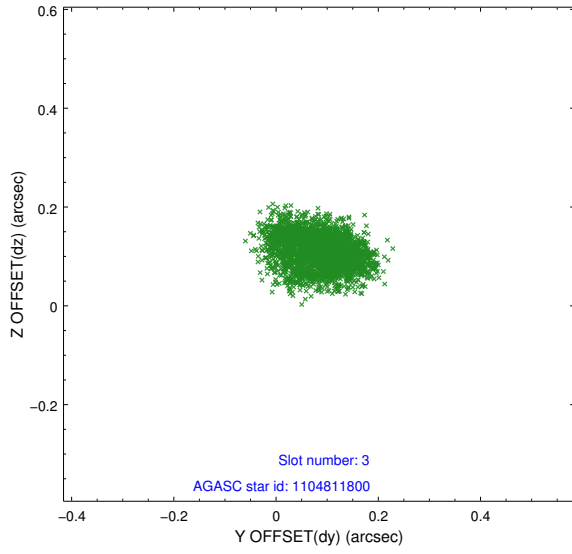


Slot Statistics

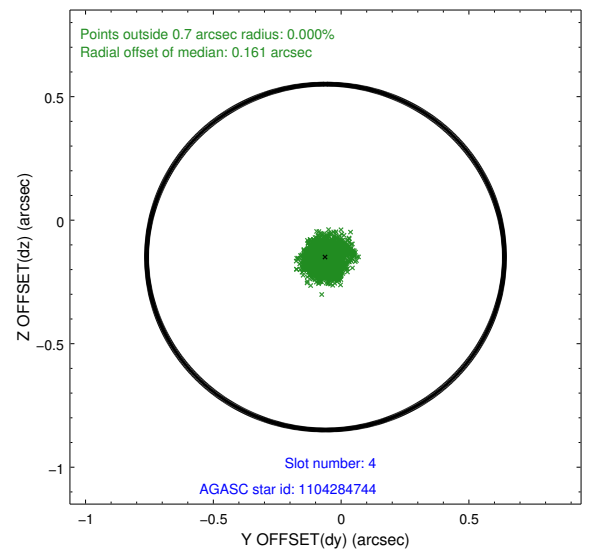
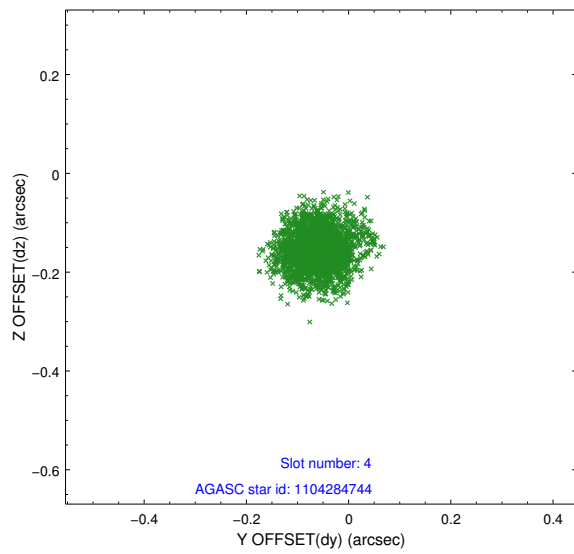
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1311	-0.071	-0.294	0.006	0.011	0.000000	0.000000	-754.87	-1965.36
1	FID	ACIS-S-4	7.17	1311	0.001	0.112	0.005	0.011	0.000000	0.000000	2157.93	-57.76
2	FID	ACIS-S-5	7.23	1311	0.039	0.189	0.006	0.011	0.000000	0.000000	-1806.20	-62.82
3	GUIDE	1104811800	7.21	2623	0.088	0.110	0.065	0.104	316.974422	-48.940124	1689.88	-603.33
4	GUIDE	1104284744	7.38	2623	-0.061	-0.149	0.059	0.095	316.571361	-48.526307	910.36	985.95
5	GUIDE	1104807816	7.86	2622	-0.046	-0.056	0.058	0.091	315.342680	-49.351363	-2288.31	-1665.39
6	GUIDE	1104807936	9.18	2622	-0.066	0.068	0.095	0.151	316.704006	-49.414427	859.46	-2226.44
7	GUIDE	1104286352	10.00	2618	0.088	0.039	0.145	0.231	315.940143	-48.490145	-572.44	1277.29

2.4 Star Slots

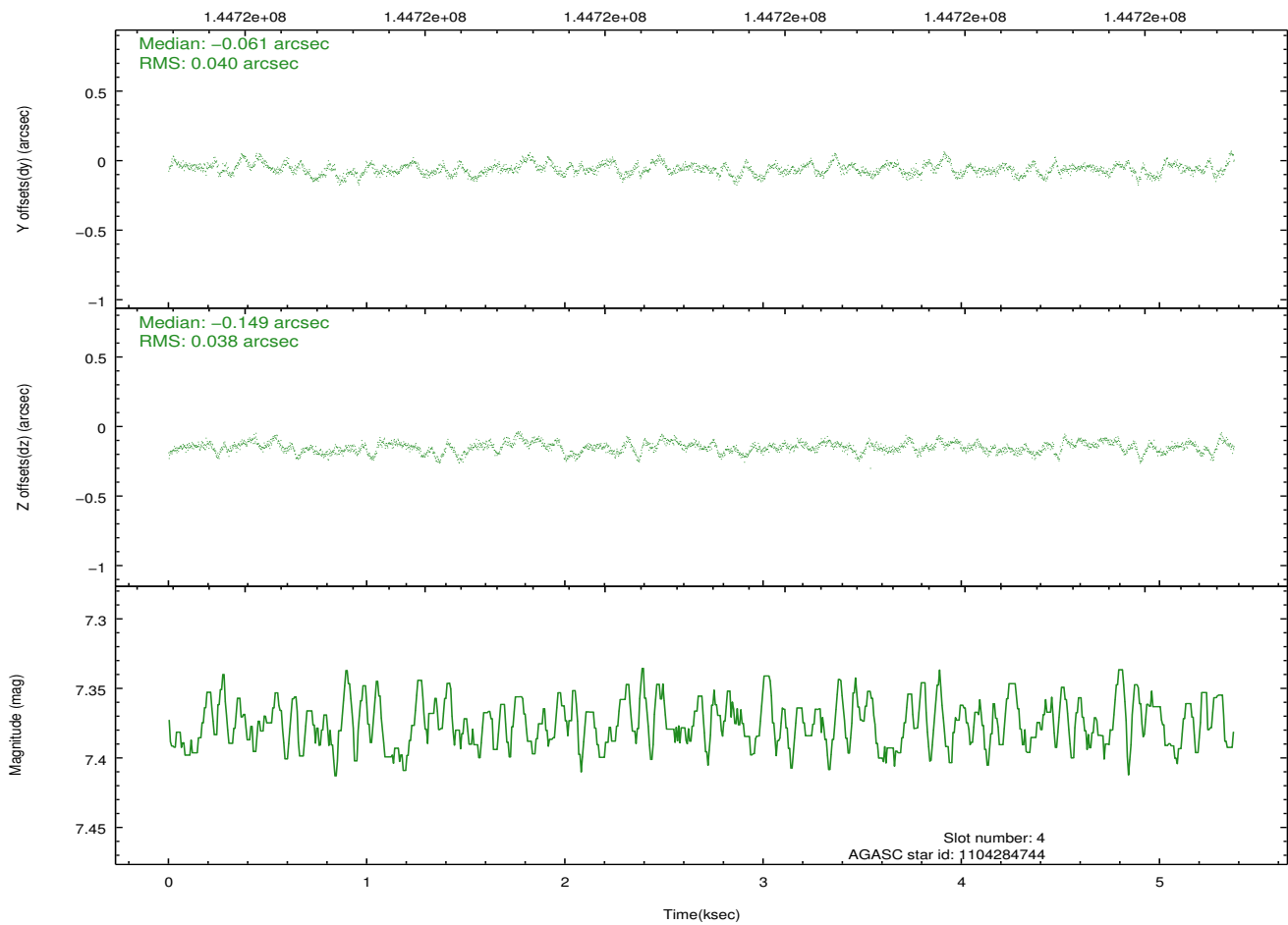
2.4.1 Slot 3



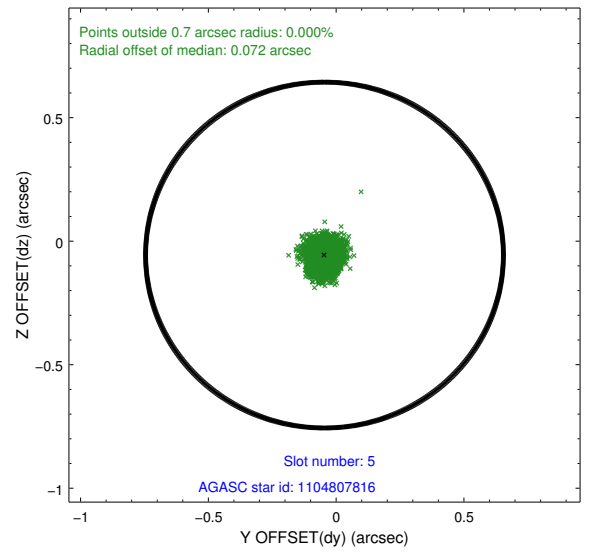
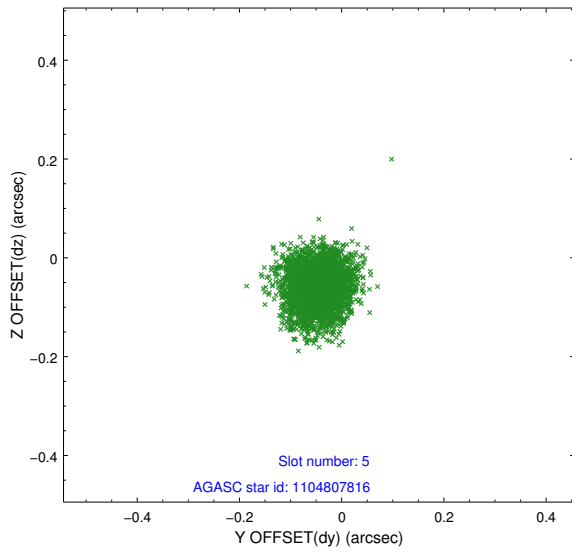
2.4.2 Slot 4



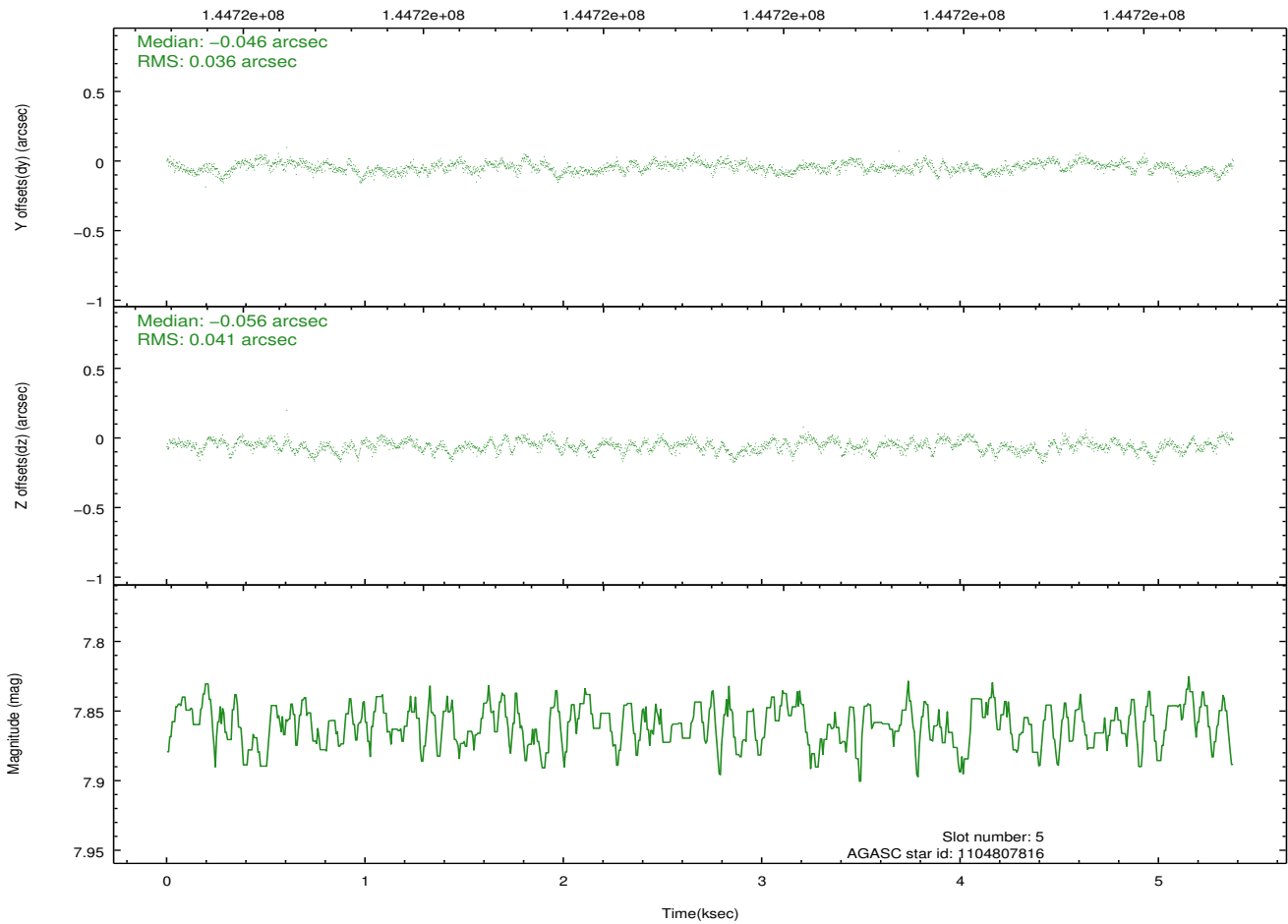
Time (s)



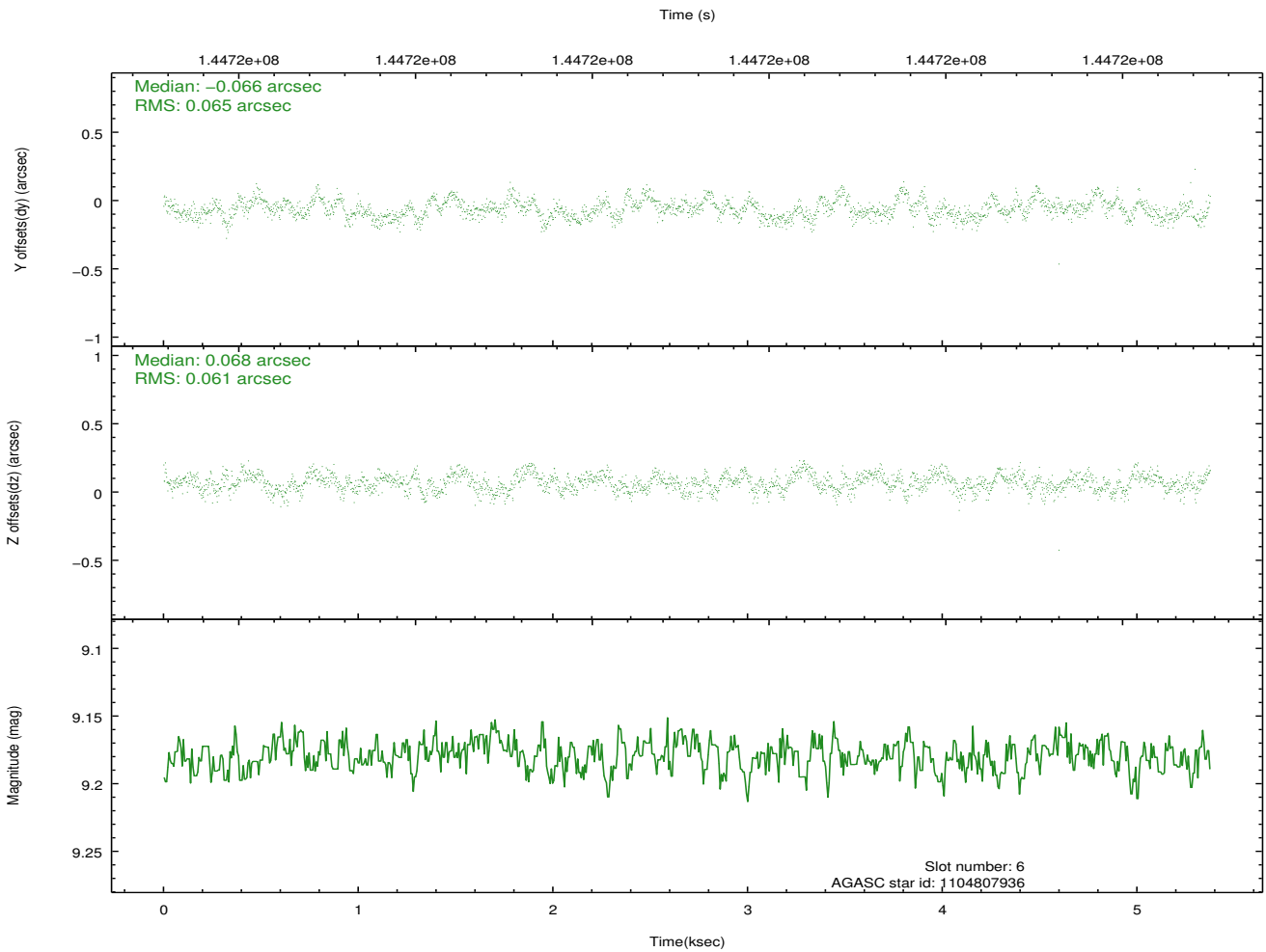
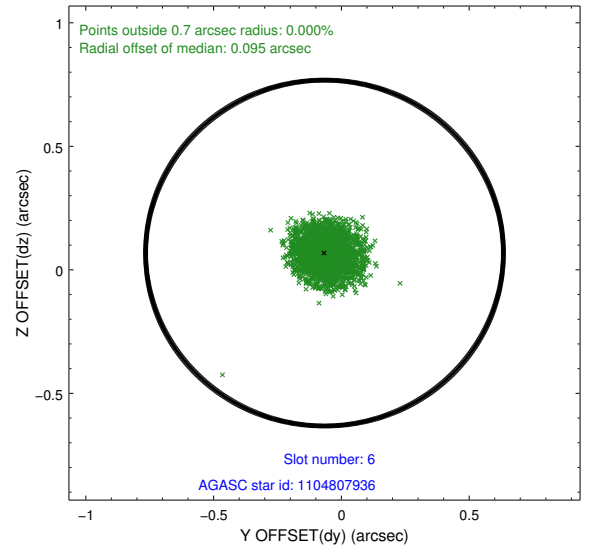
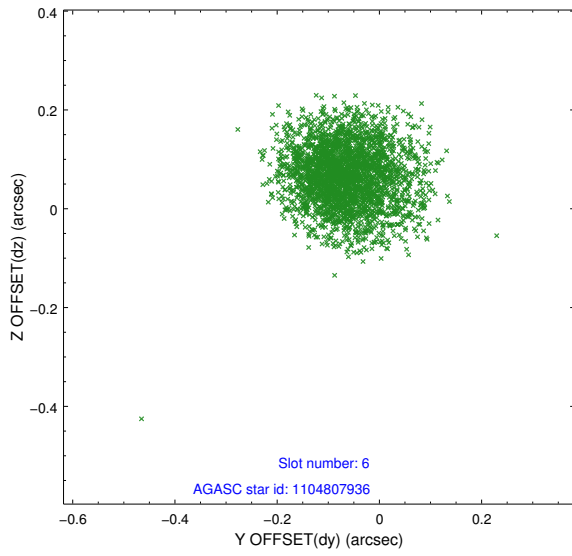
2.4.3 Slot 5



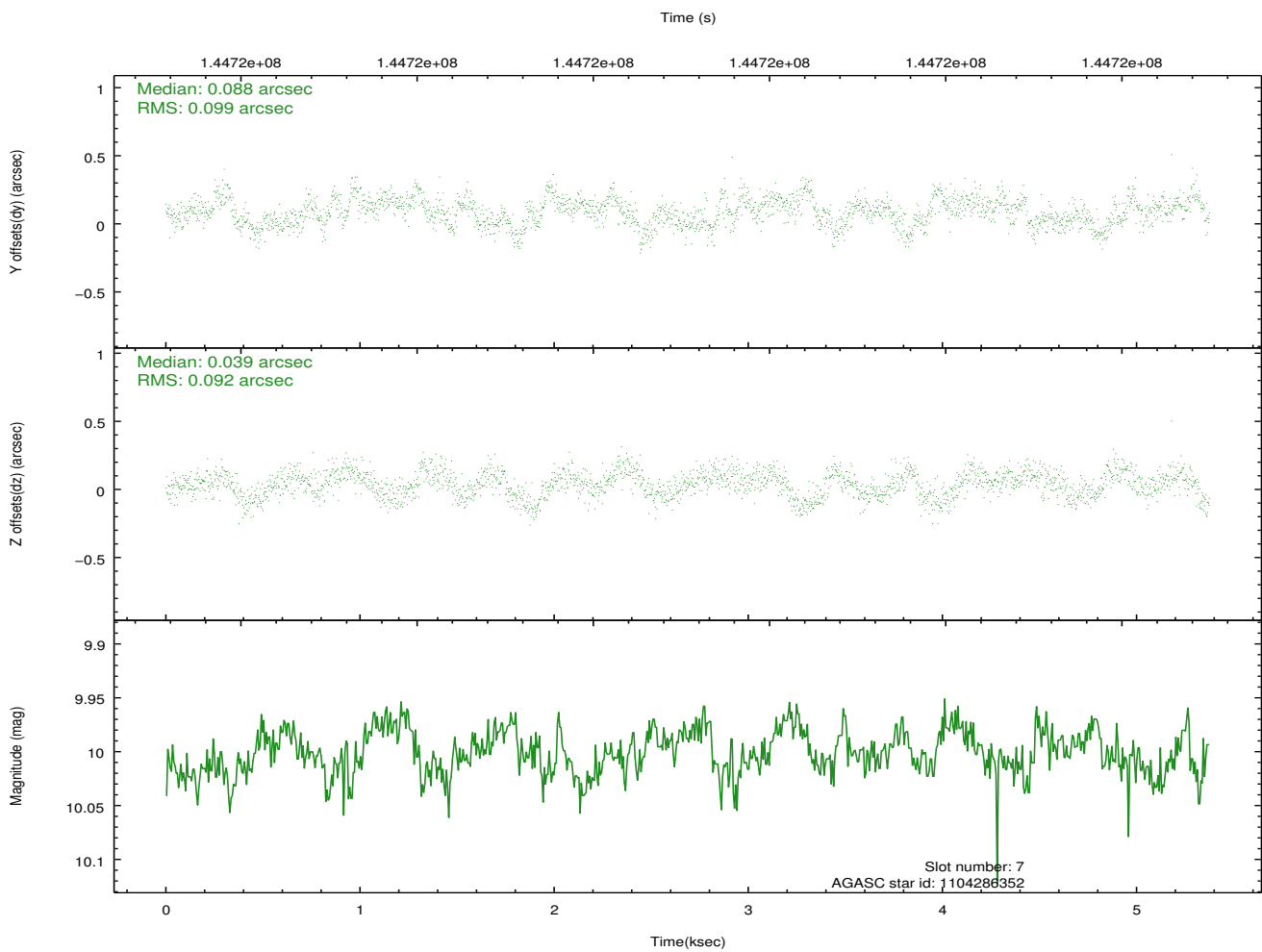
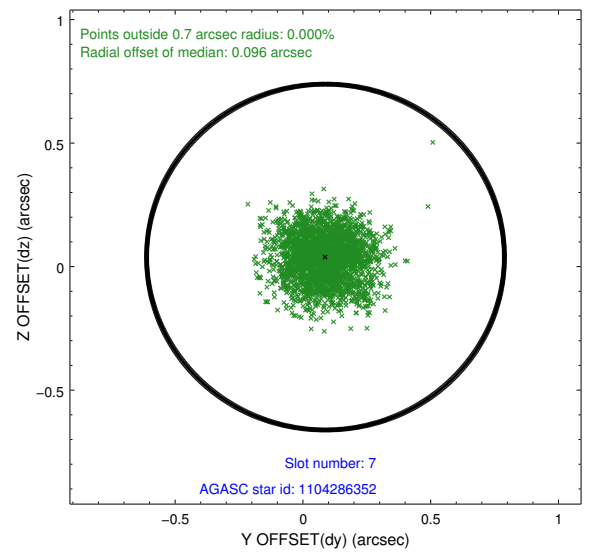
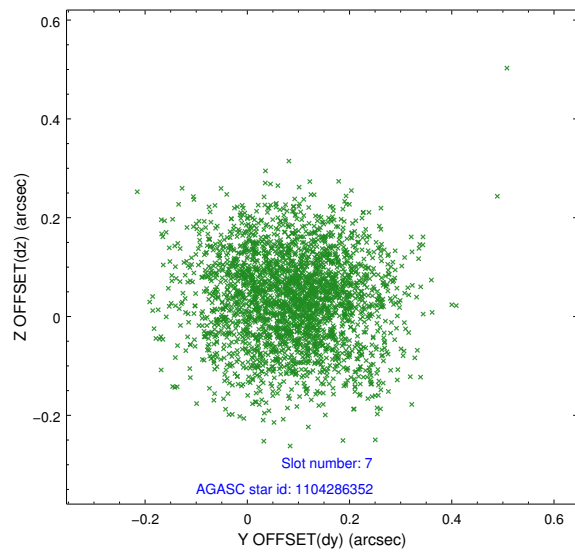
Time (s)



2.4.4 Slot 6

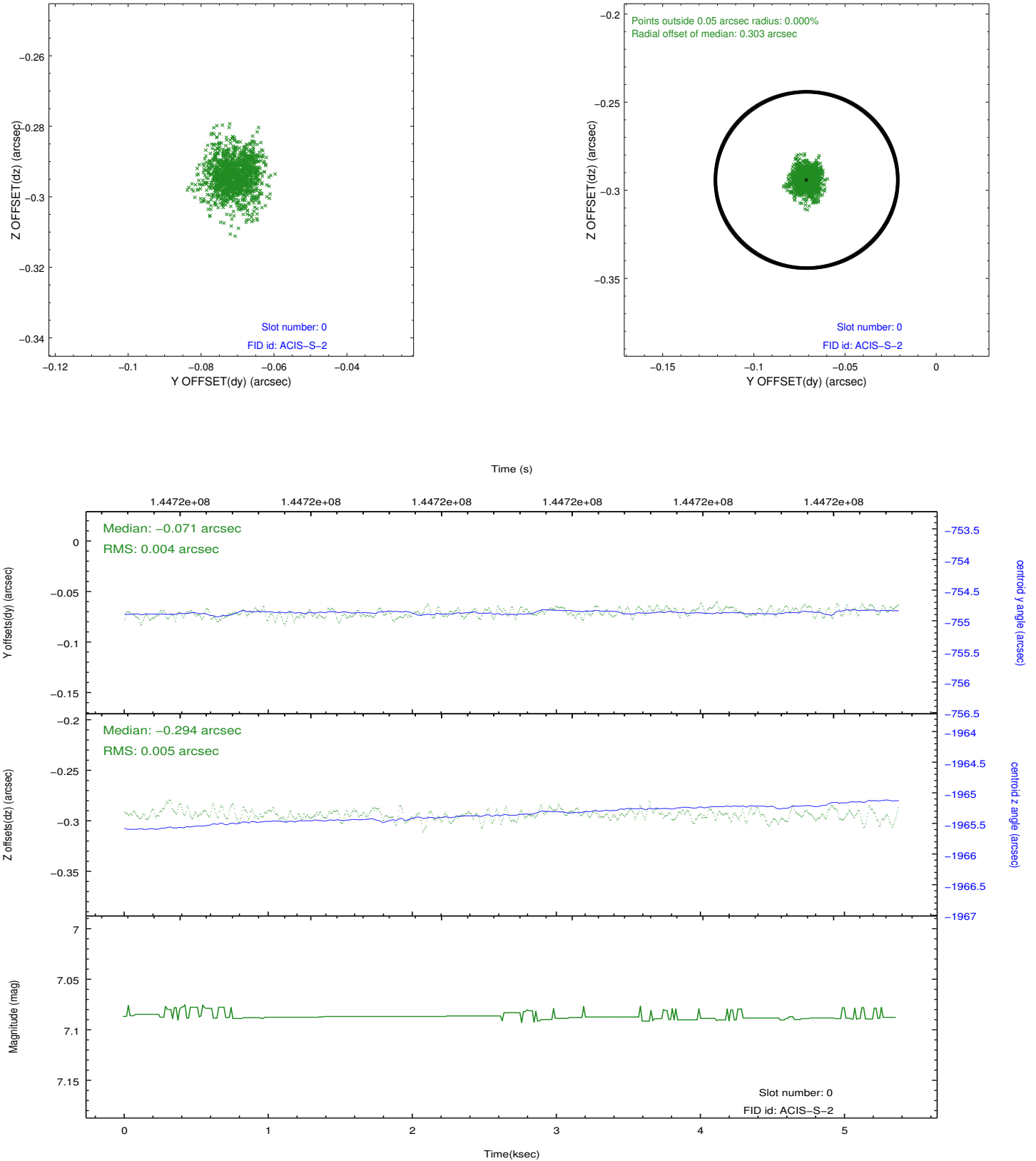


2.4.5 Slot 7

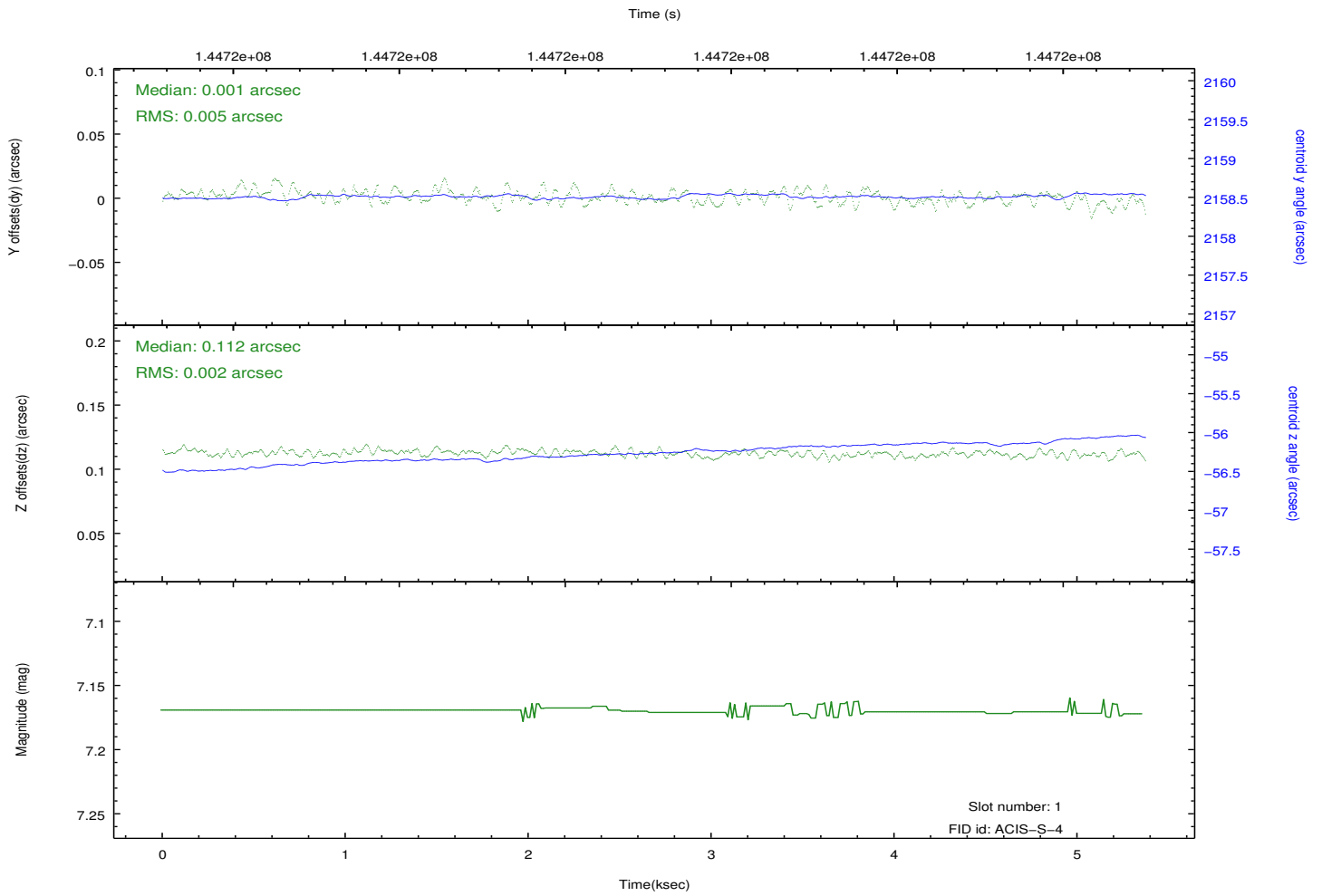
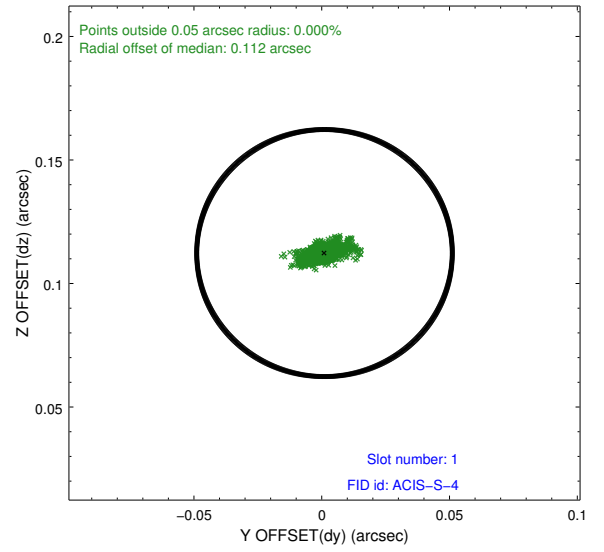
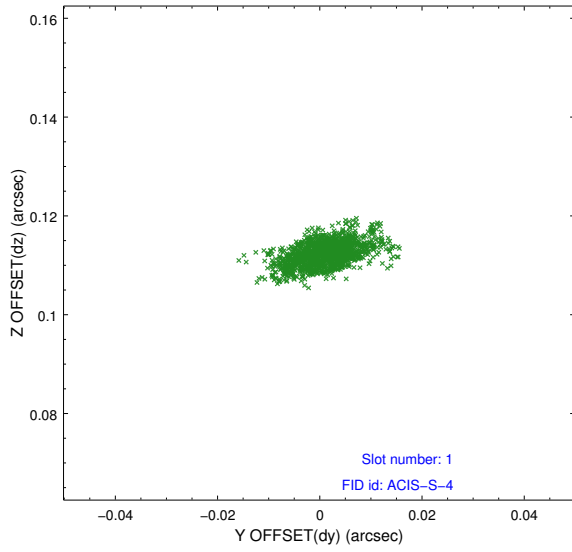


2.5 FID Slots

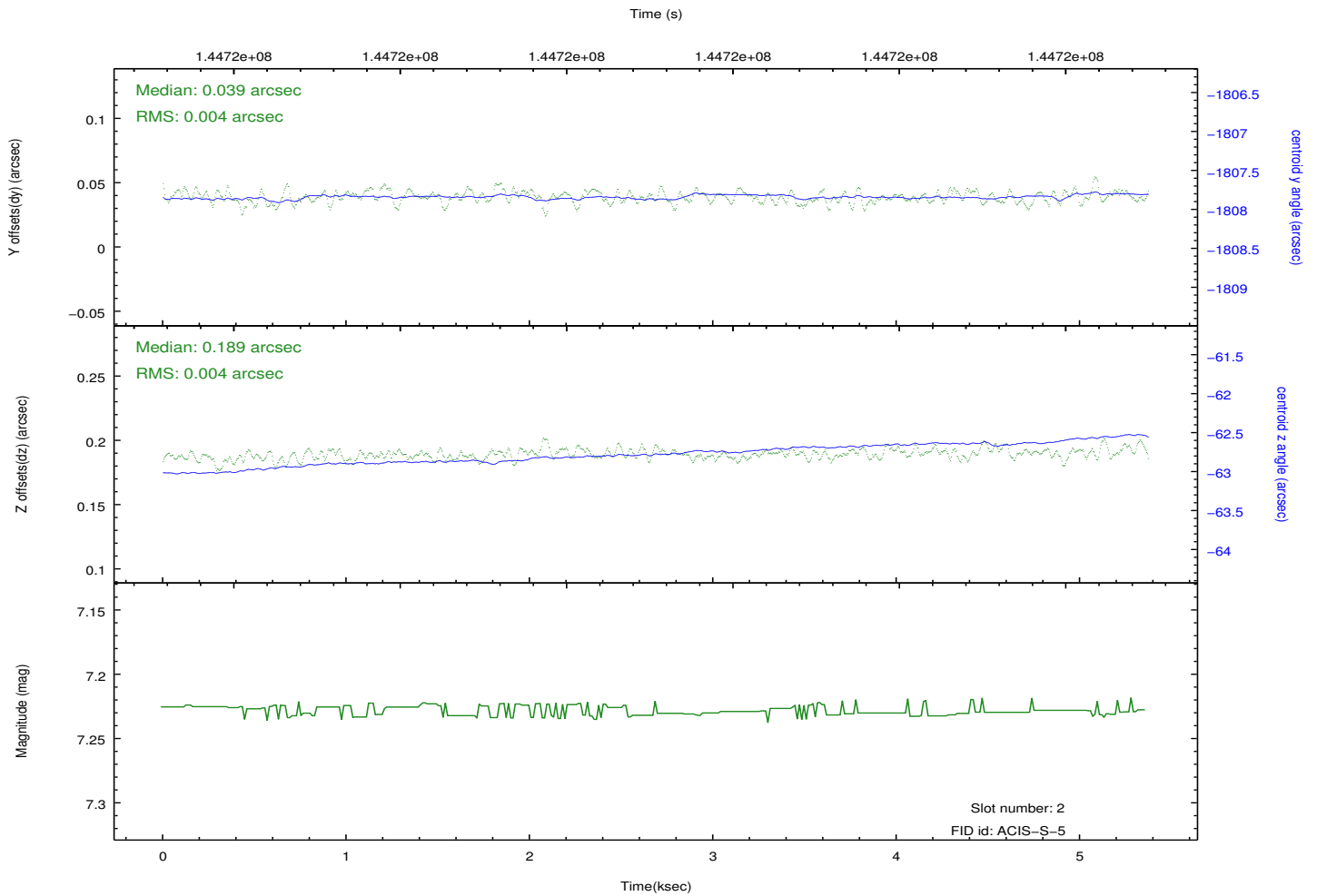
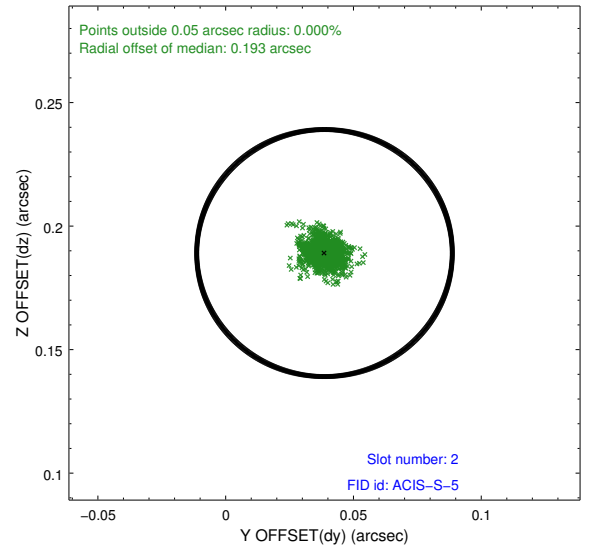
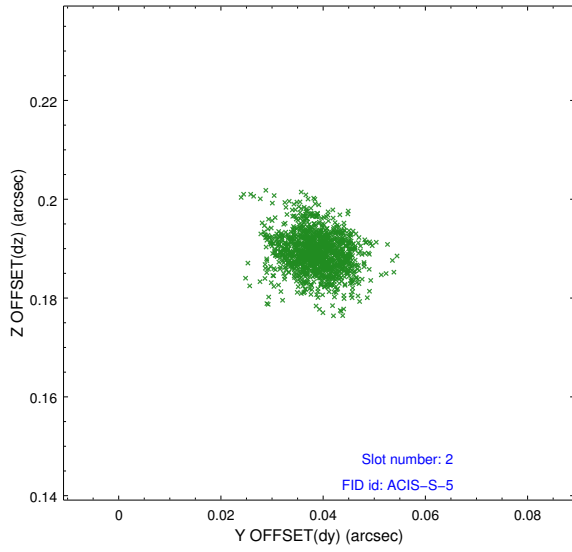
2.5.1 Slot 0



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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.374

A.2 Comments