

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18116 - L2 Version 1
Chandra X-Ray Center

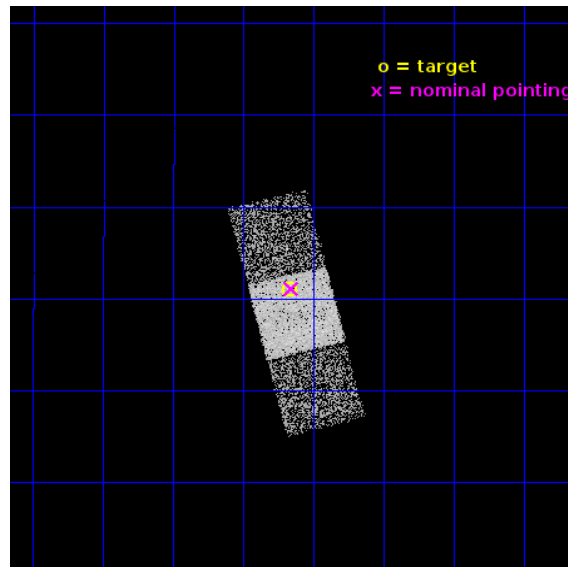
L2 Processing Date : Feb 17 2016

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1 Front

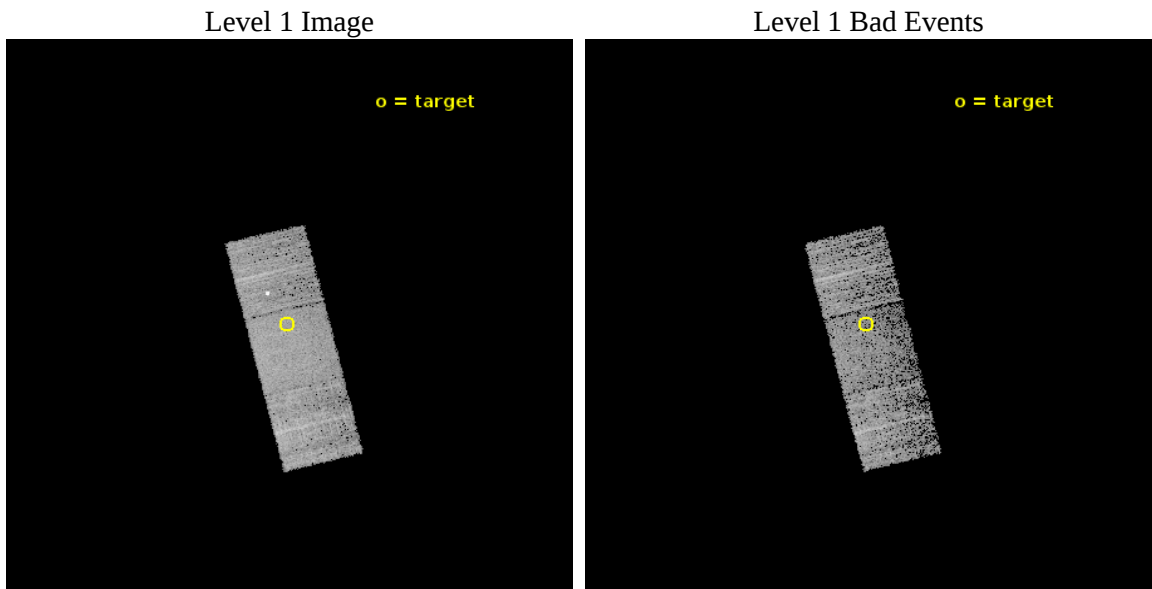
seq_num	703182	Sequence number
obs_id	18116	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1638+1151	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.542083	Observer's specified target RA [deg]
dec_targ	11.851083	Observer's specified target Dec [deg]
ra_nom	249.53975593589	Nominal RA [deg]
dec_nom	11.851727981192	Nominal Dec [deg]
roll_nom	75.987156398076	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4112.2412823439	Sum of GTIs [s]
livetime	4058.5118226021	Livetime [s]
ontime6	4112.2002424002	Sum of GTIs [s]
ontime7	4112.2412823439	Sum of GTIs [s]
ontime8	4105.8770719767	Sum of GTIs [s]
l2events	18831	Number of level 2 events



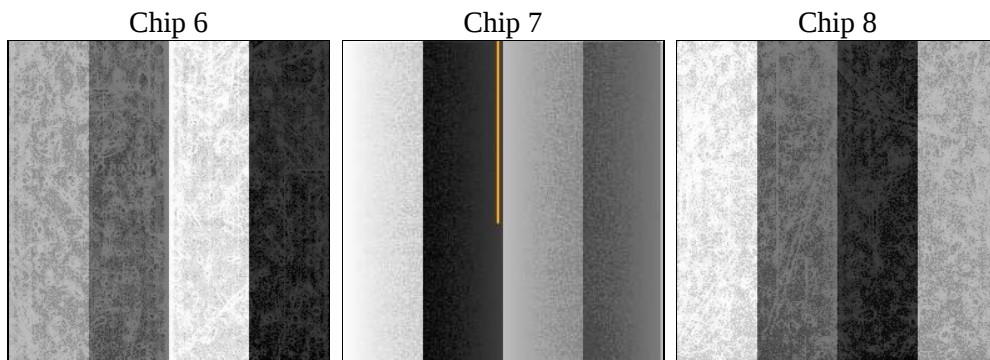
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4112.2412823439	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	4112.2002424002	Sum of GTIs [s]
date	2016-02-17T13:44:50	Date and time of file creation	ontime7	4112.2412823439	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4105.8770719767	Sum of GTIs [s]
			l1events	93587	Number of level 1 events

2.1.4 Events

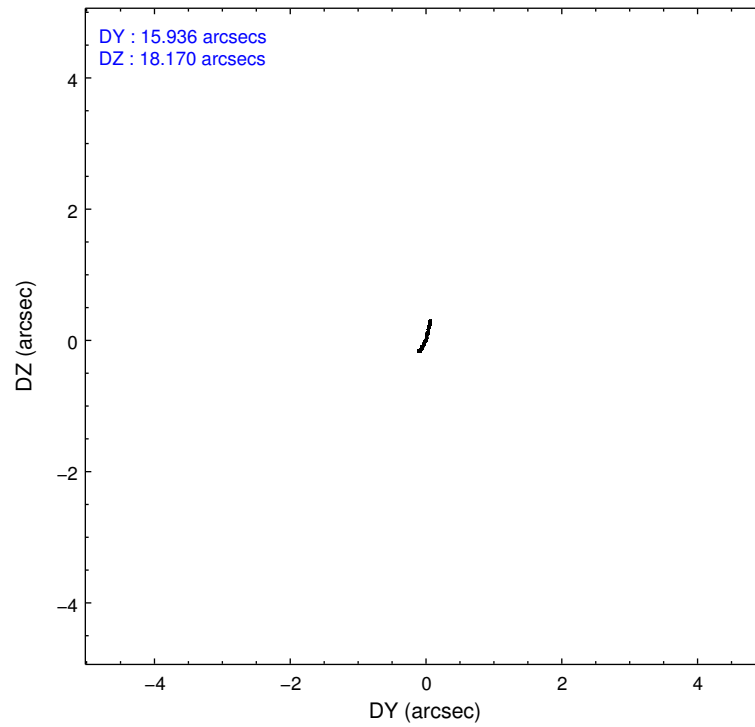
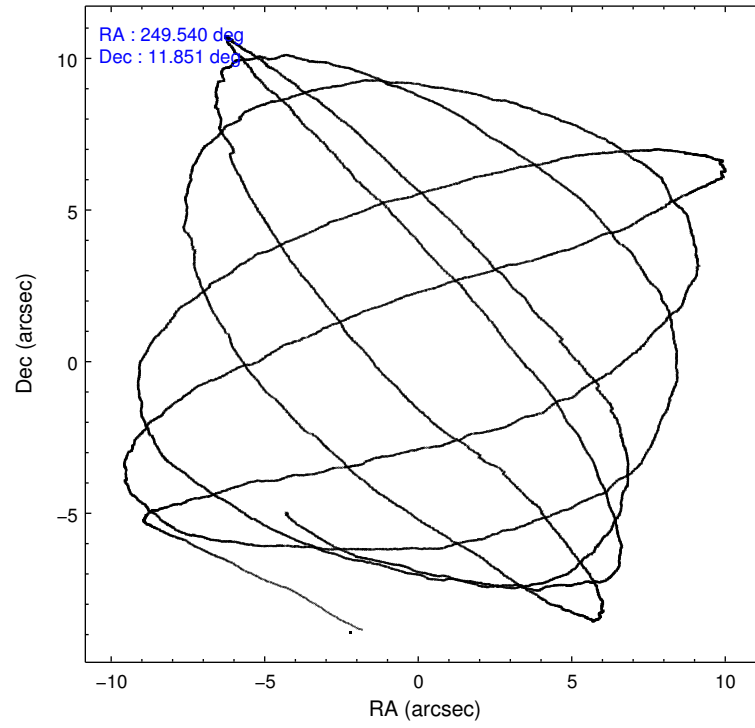
	ccd 6	ccd 7	ccd 8
level 1 events	28120	32698	32769
rejected events	23940	18737	24738
rejected %	85%	57%	75%

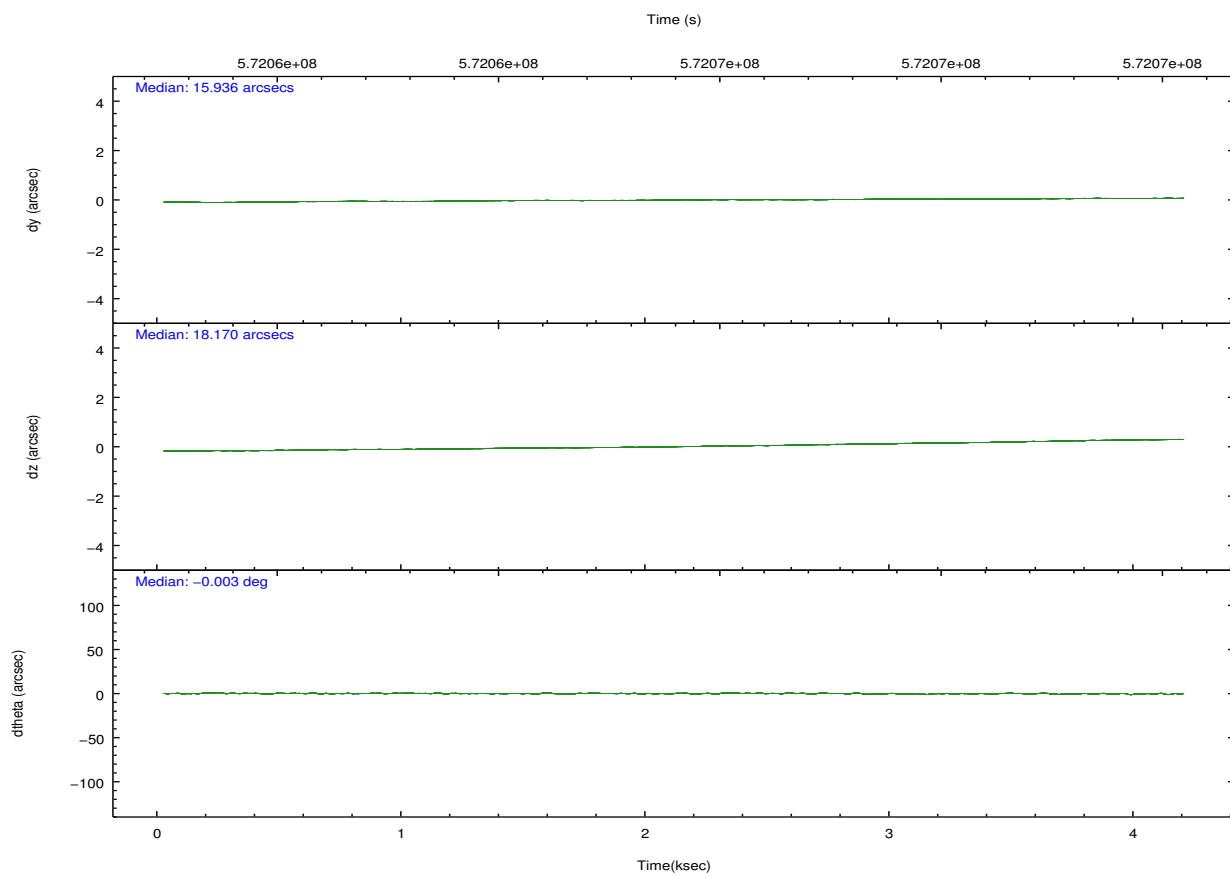
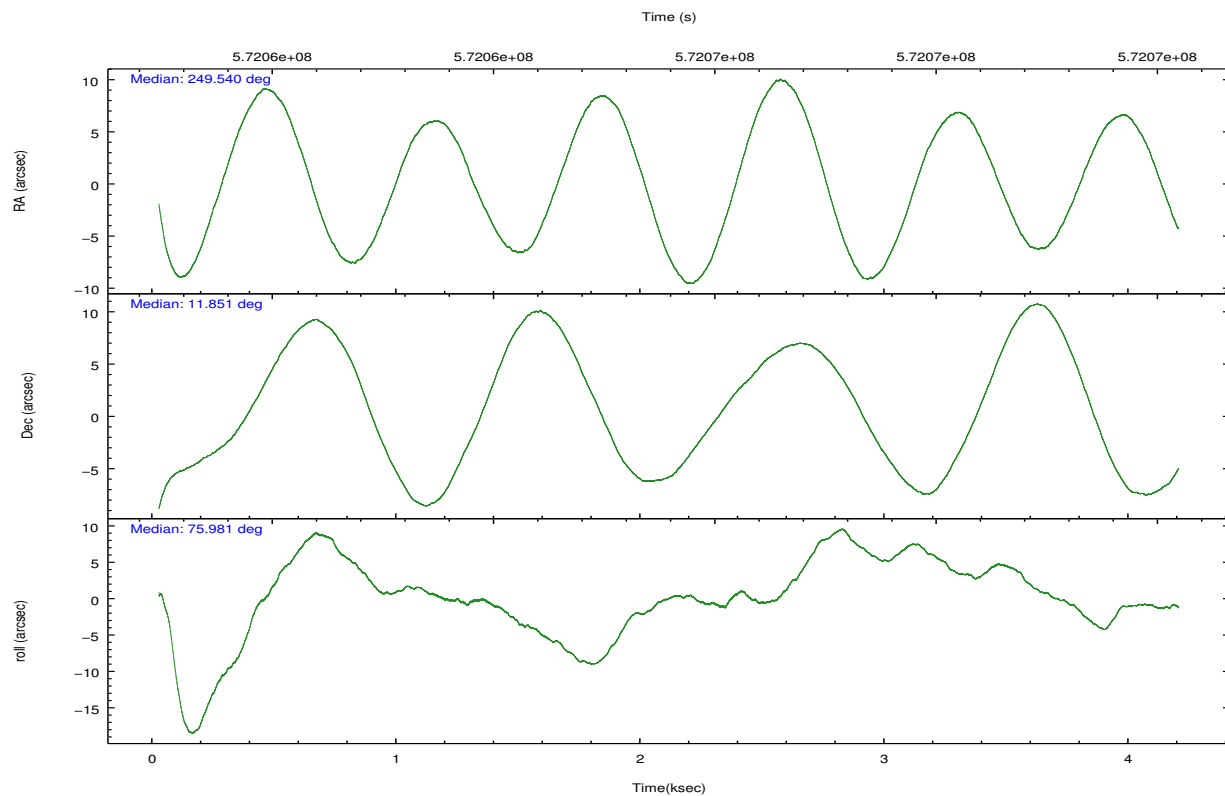
	ccd 6	ccd 7	ccd 8
grade 0 events	2217	1198	2430
	7%	3%	7%
grade 1 events	15	40	24
	0%	0%	0%
grade 2 events	737	2959	1831
	2%	9%	5%
grade 3 events	264	1066	830
	0%	3%	2%
grade 4 events	258	1039	819
	0%	3%	2%
grade 5 events	1172	3047	1740
	4%	9%	5%
grade 6 events	708	7722	2124
	2%	23%	6%
grade 7 events	22749	15627	22971
	80%	47%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	249.547839	249.5397559358916	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.825553	11.85172798119247	Alternating exposures requested	N	N
[deg] Pointing Roll	75.828805	75.98715639807558	[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)	572063889.184000	572062847.72097			
Observation start date	2016-02-17T02:37:01	2016-02-17T02:20:47			
[s] Observation end time (MET)	572067889.184000	572068718.40881			
Observation end date	2016-02-17T03:43:41	2016-02-17T03:58:38			
Read mode	TIMED	TIMED			

2.3 Aspect



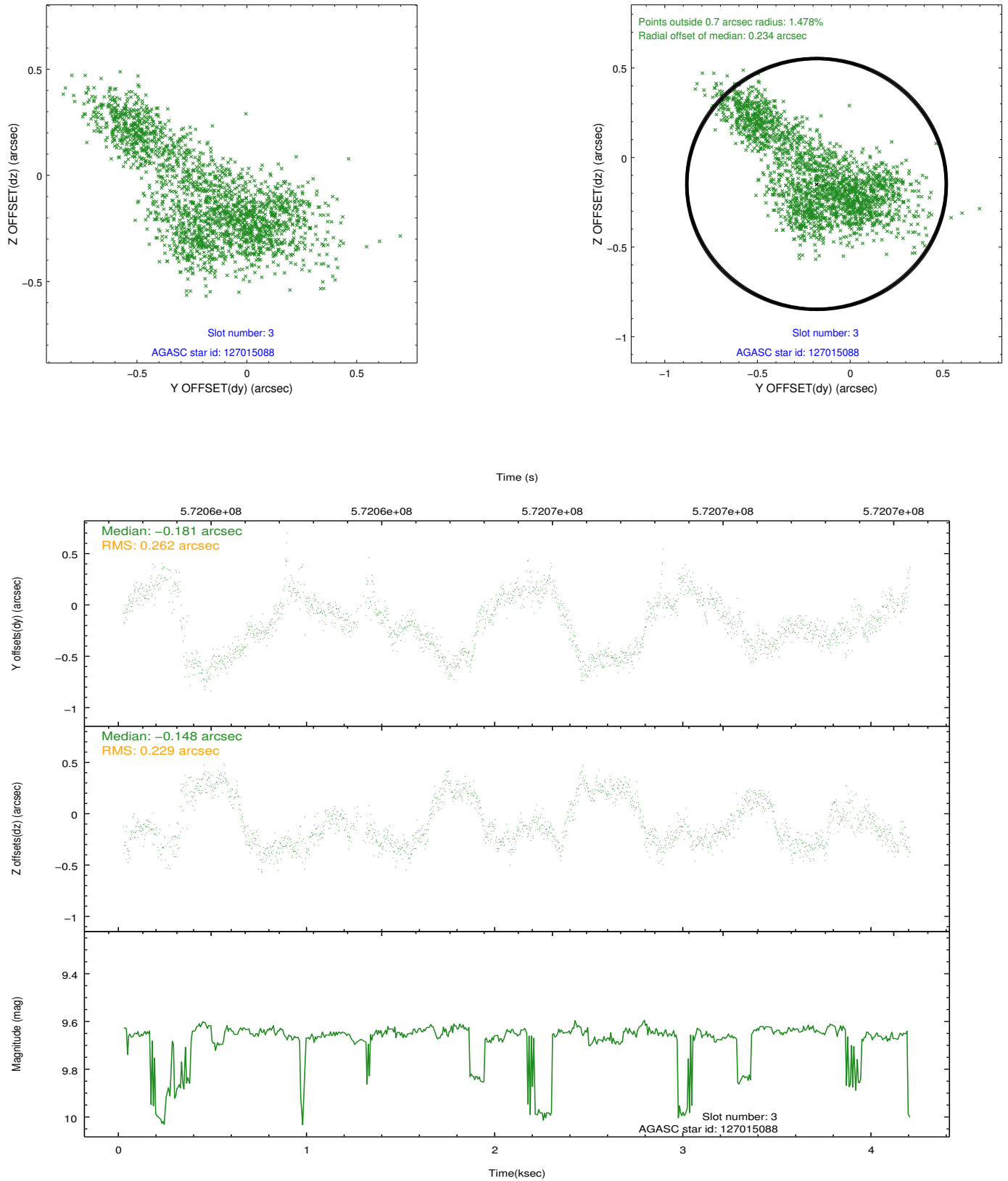


Slot Statistics

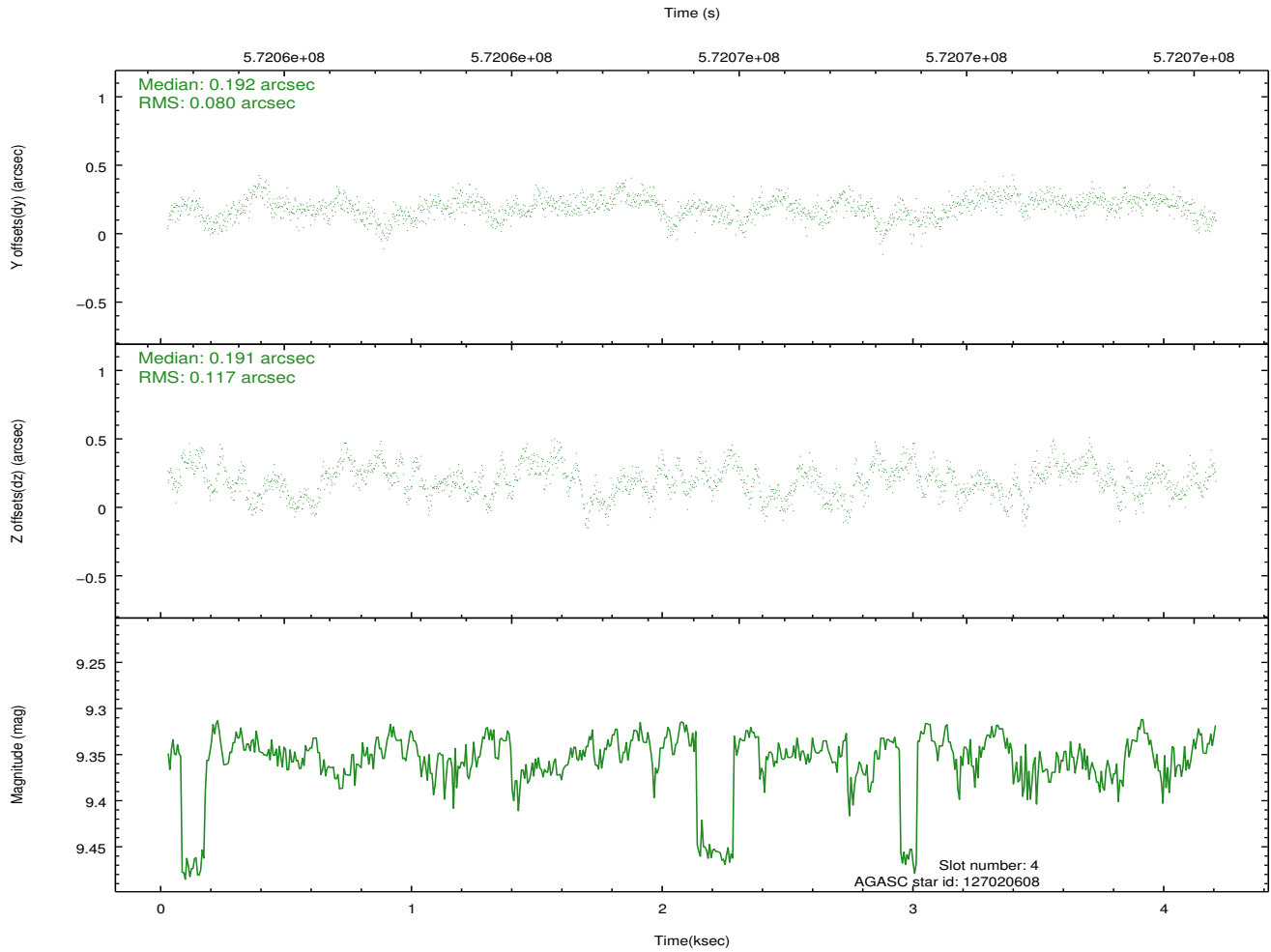
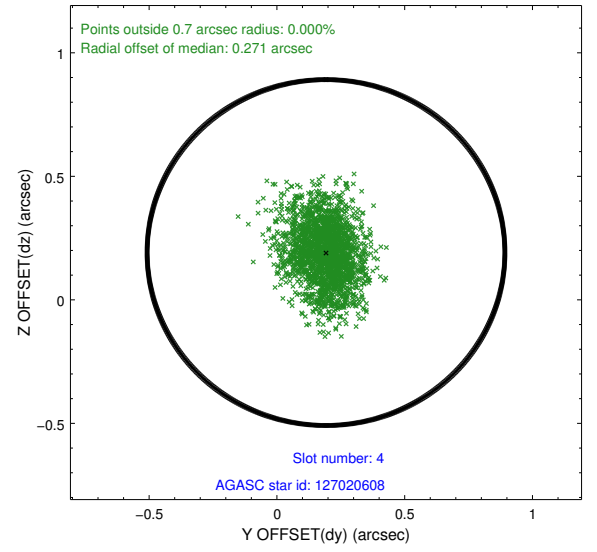
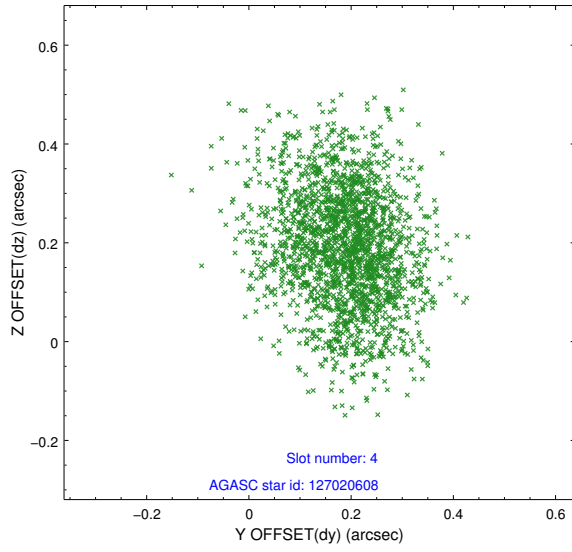
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	1020	-0.177	-0.150	0.007	0.011	0.000000	0.000000	-769.11	-1739.81
1	FID		ACIS-S-4	7.26	1020	0.440	0.125	0.006	0.010	0.000000	0.000000	2144.11	167.38
2	FID		ACIS-S-5	7.27	1020	-0.295	0.033	0.007	0.011	0.000000	0.000000	-1820.15	162.69
3	GUIDE	used	127015088	9.65	1962	-0.181	-0.148	0.367	0.621	250.049326	12.222434	1819.56	-1360.18
4	GUIDE	used	127020608	9.35	2037	0.192	0.191	0.149	0.246	249.934239	11.654312	-261.28	-1470.52
5	GUIDE	used	127022016	9.34	2039	0.260	0.903	0.291	0.408	250.090935	11.466985	-779.43	-2172.94
6	GUIDE	used	127024360	9.61	2018	0.175	-0.393	0.179	0.299	249.054559	11.353874	-2070.66	1271.52
7	GUIDE	used	127011840	8.39	2039	-0.412	-0.602	0.099	0.156	249.200513	12.360135	1566.34	1656.81

2.4 Star Slots

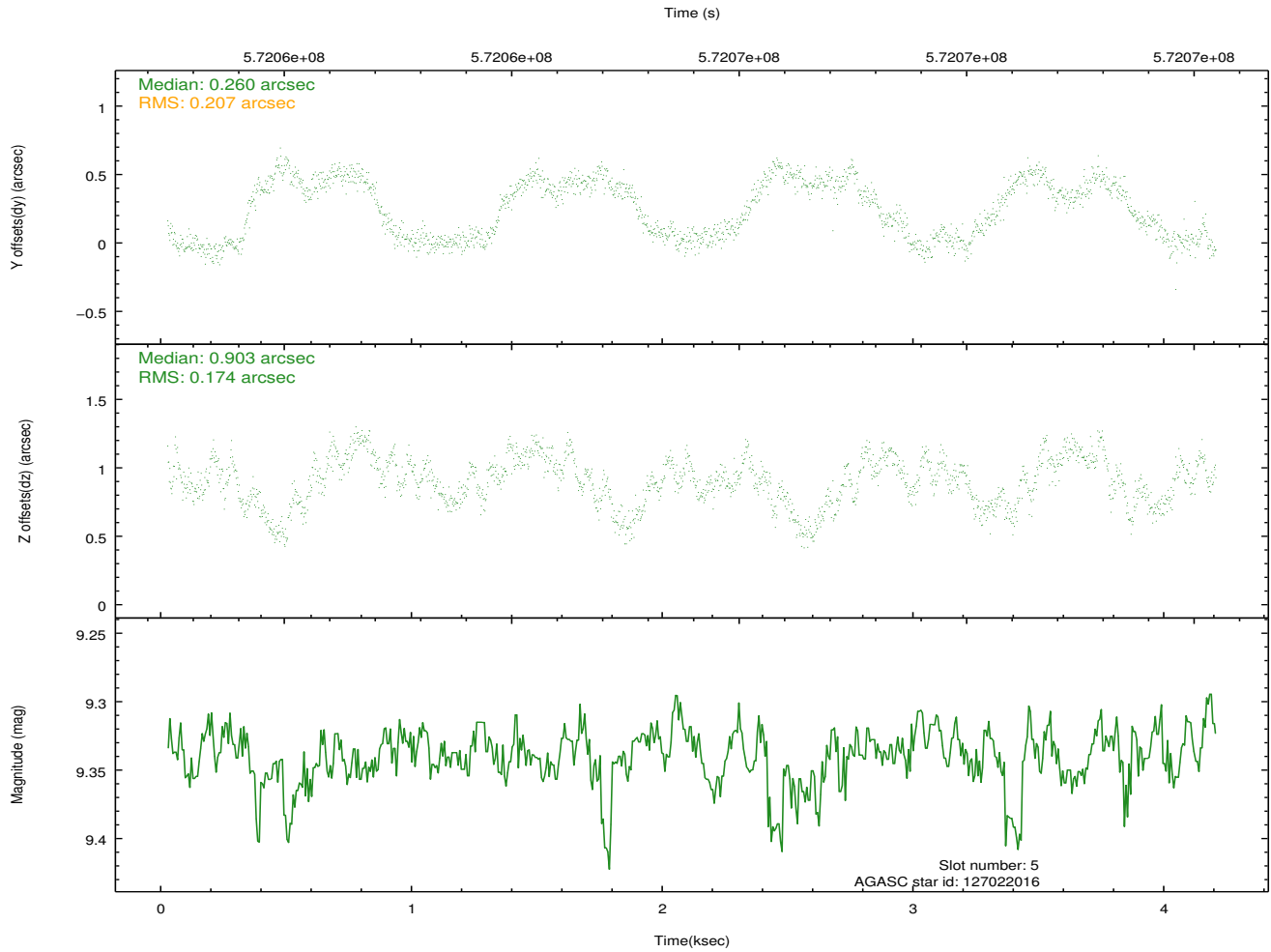
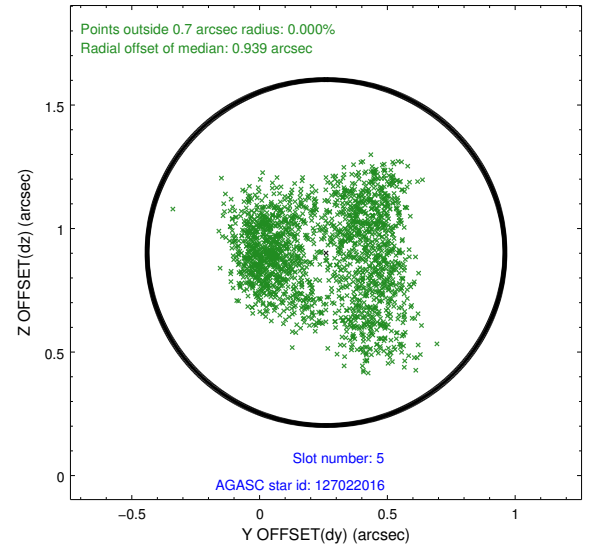
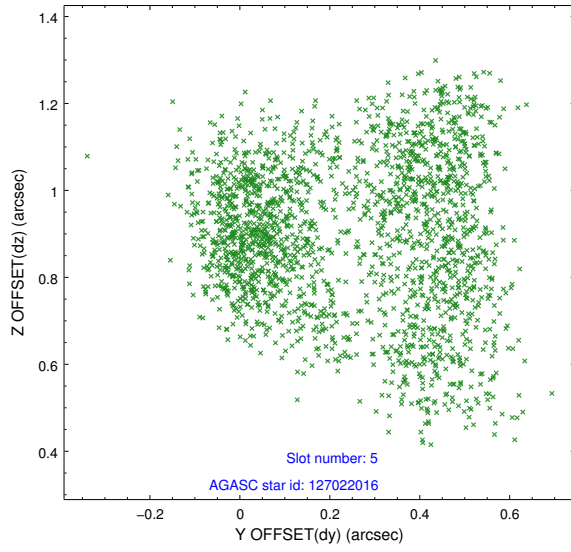
2.4.1 Slot 3



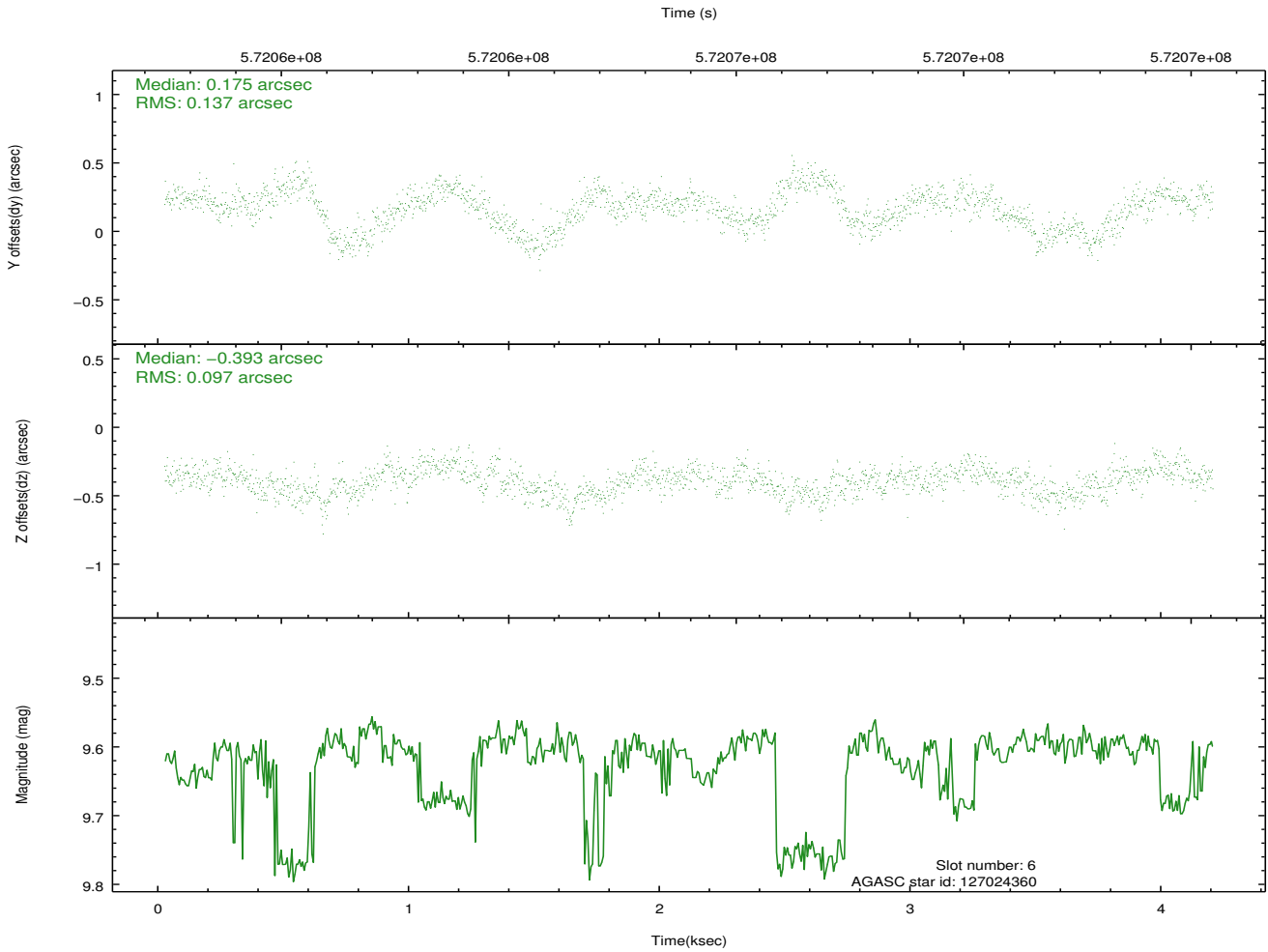
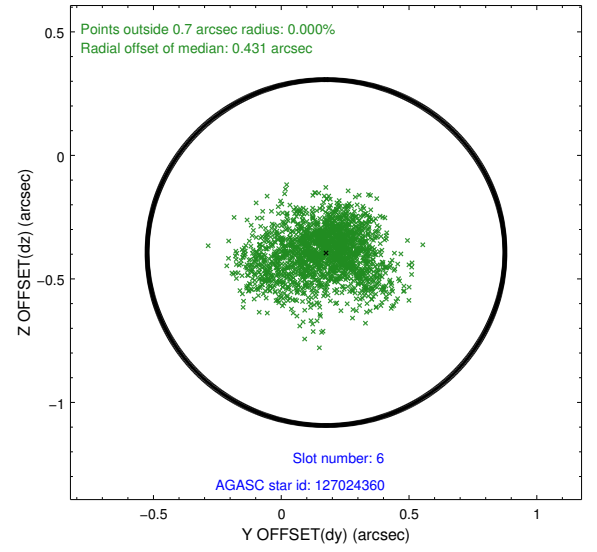
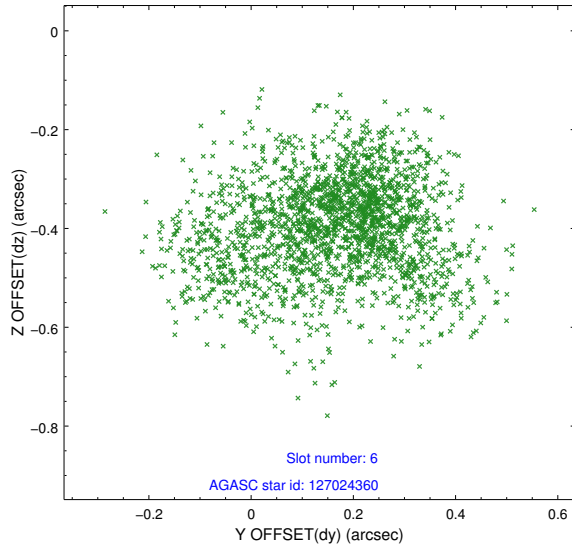
2.4.2 Slot 4



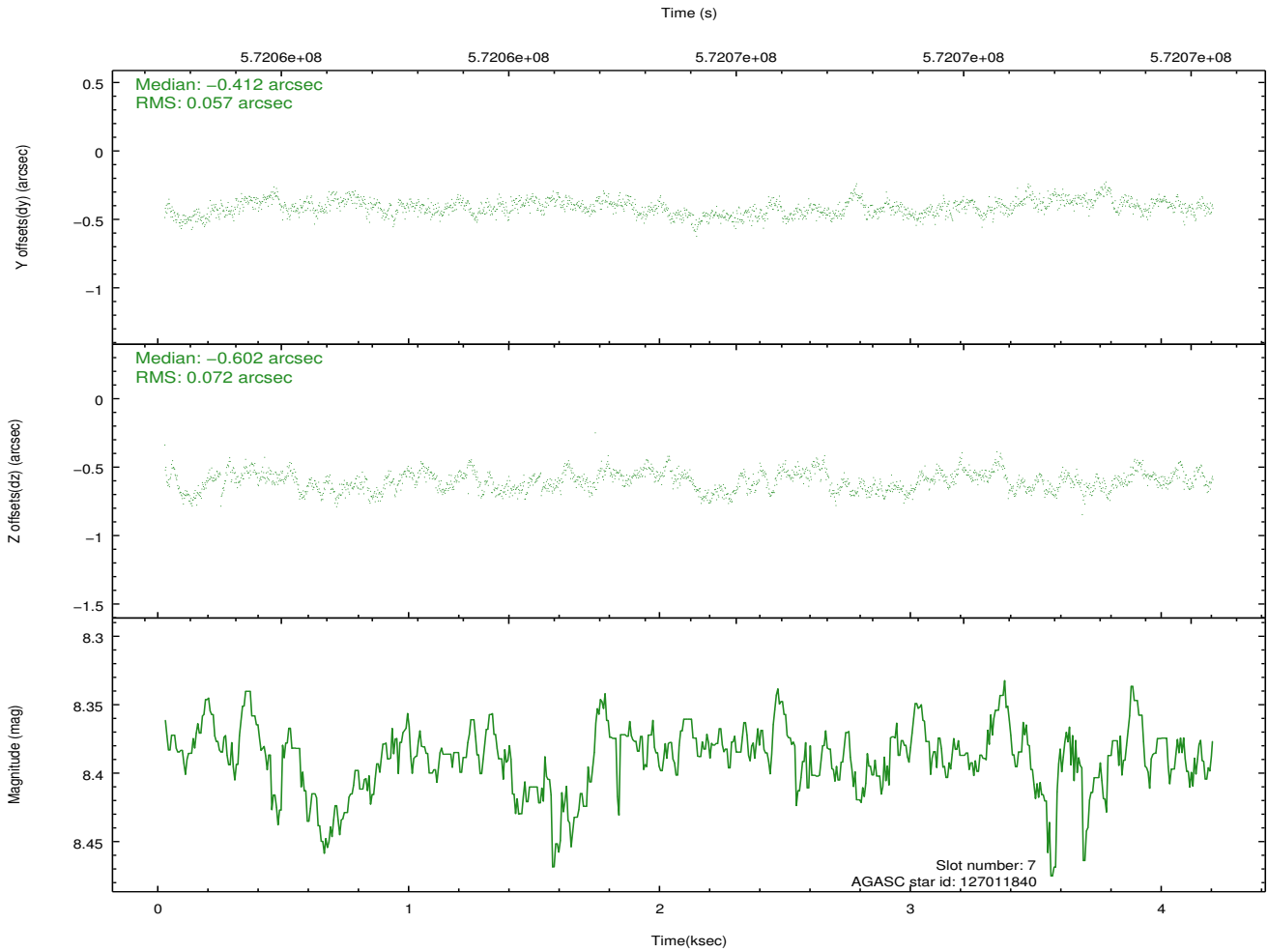
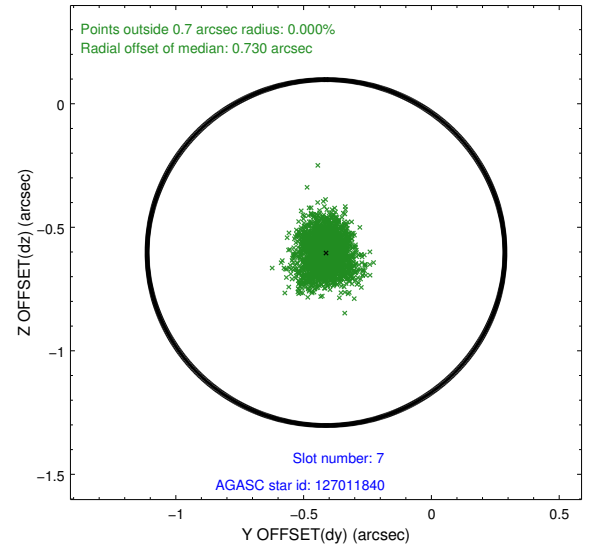
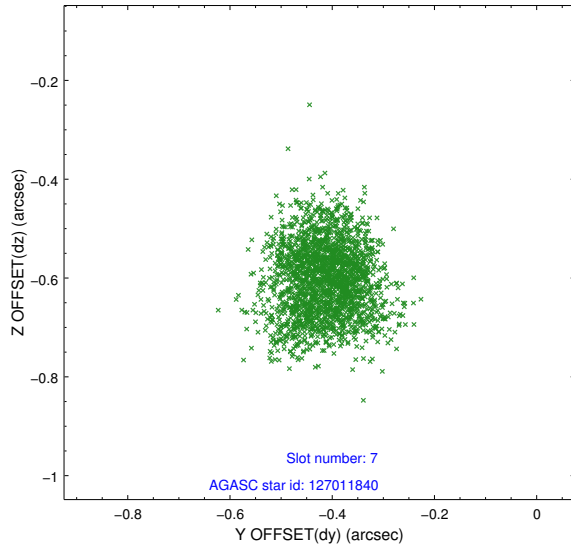
2.4.3 Slot 5



2.4.4 Slot 6

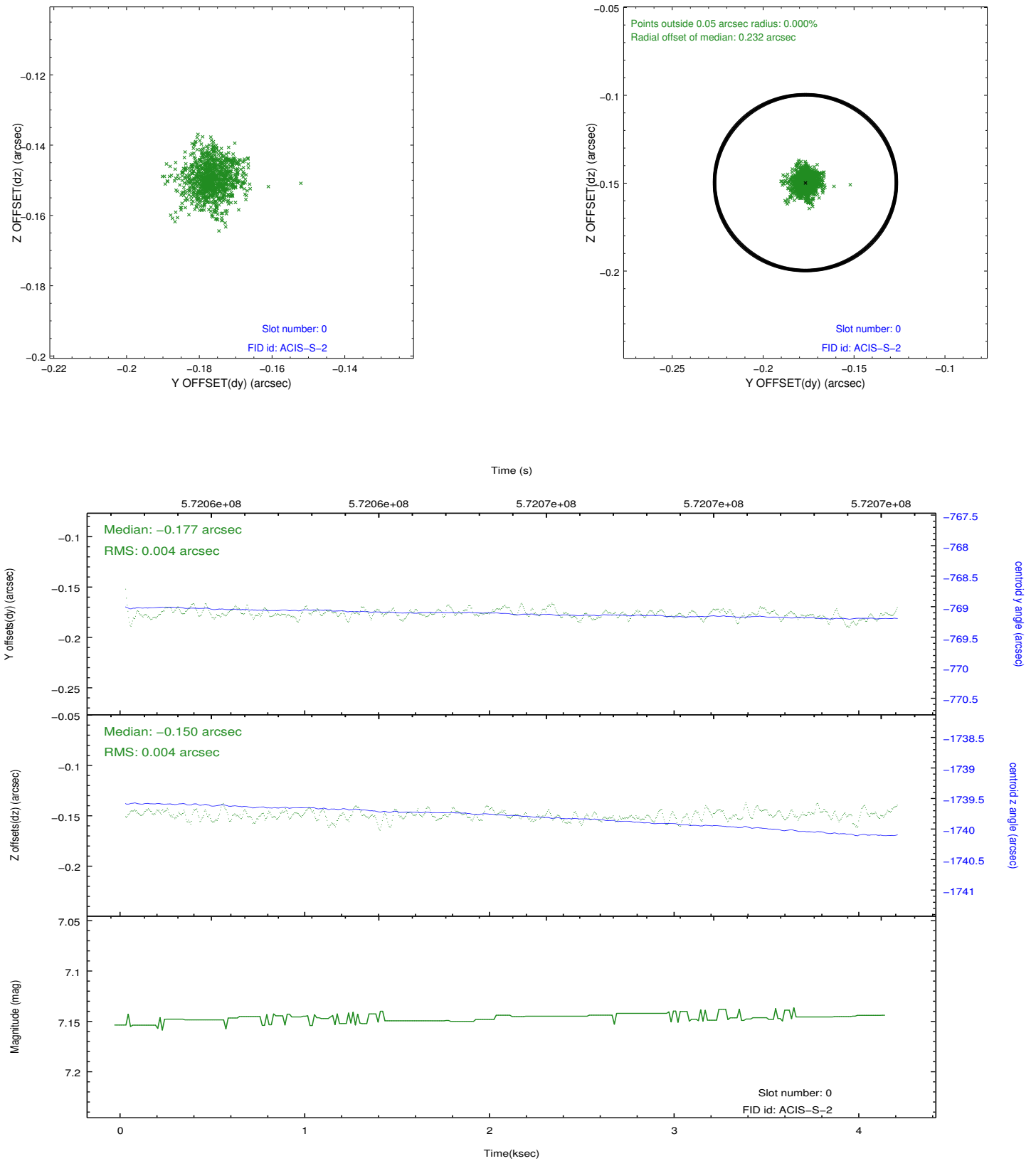


2.4.5 Slot 7

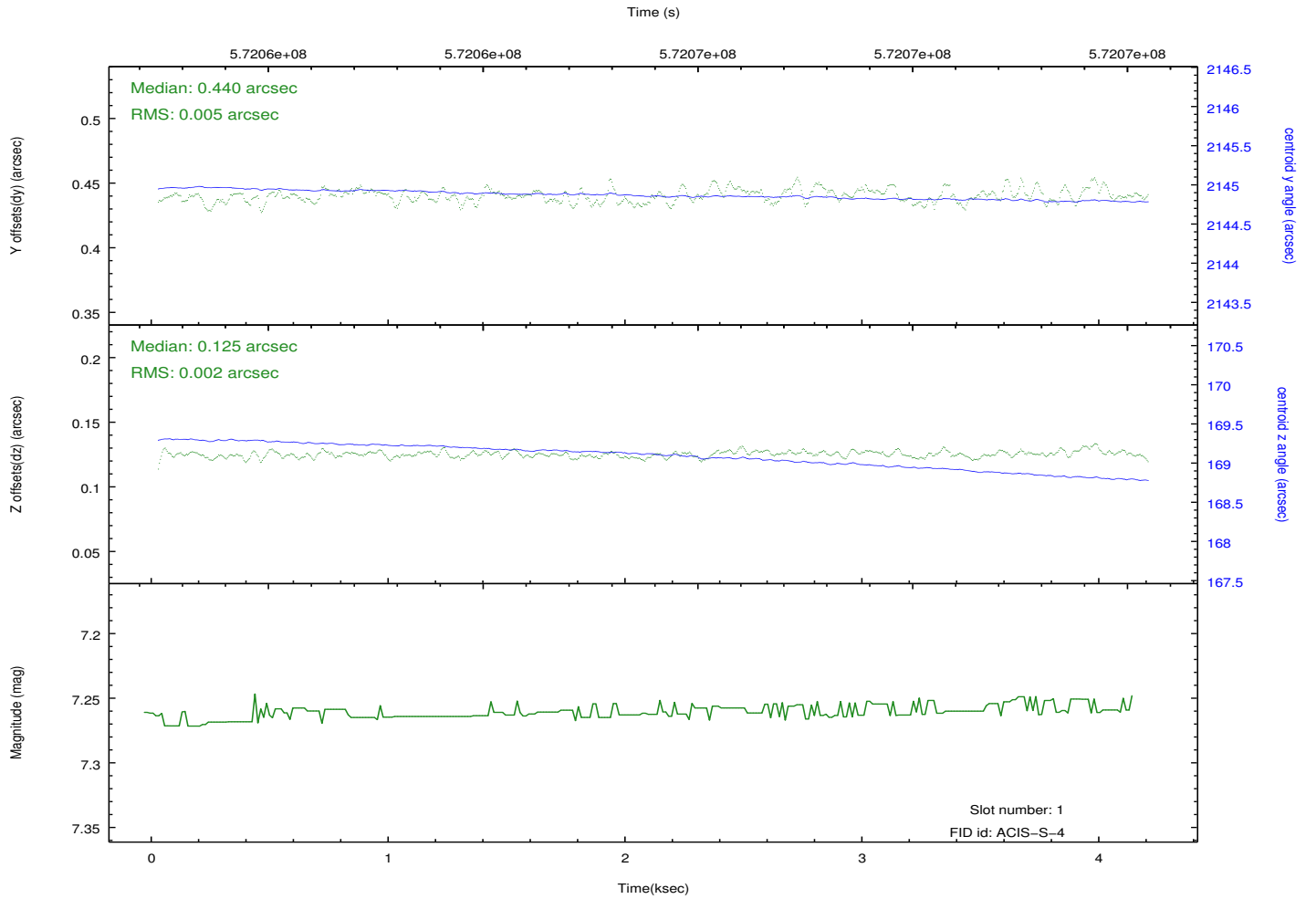
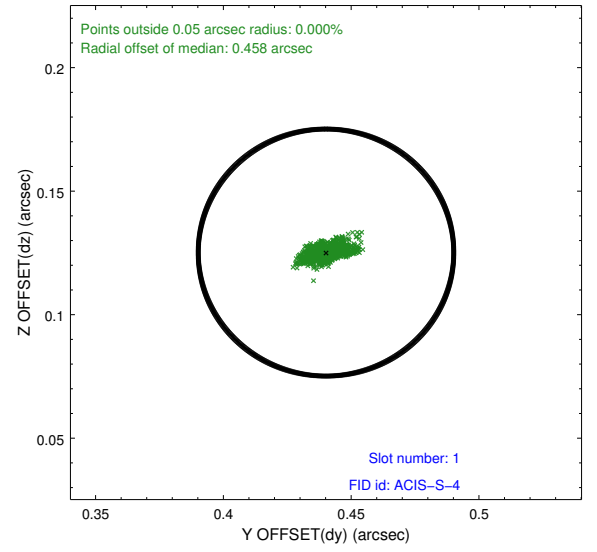
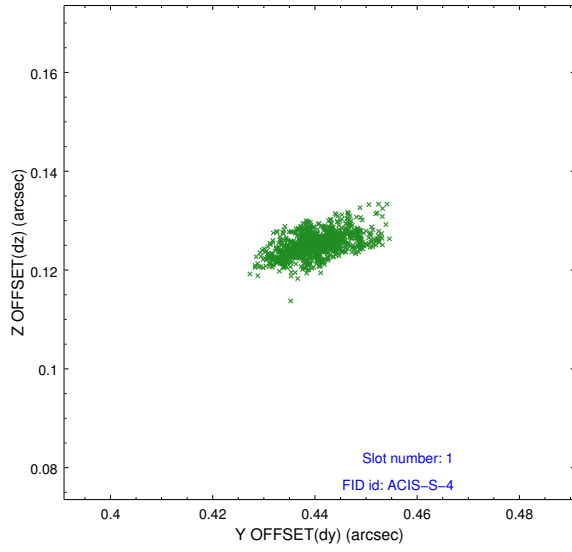


2.5 FID Slots

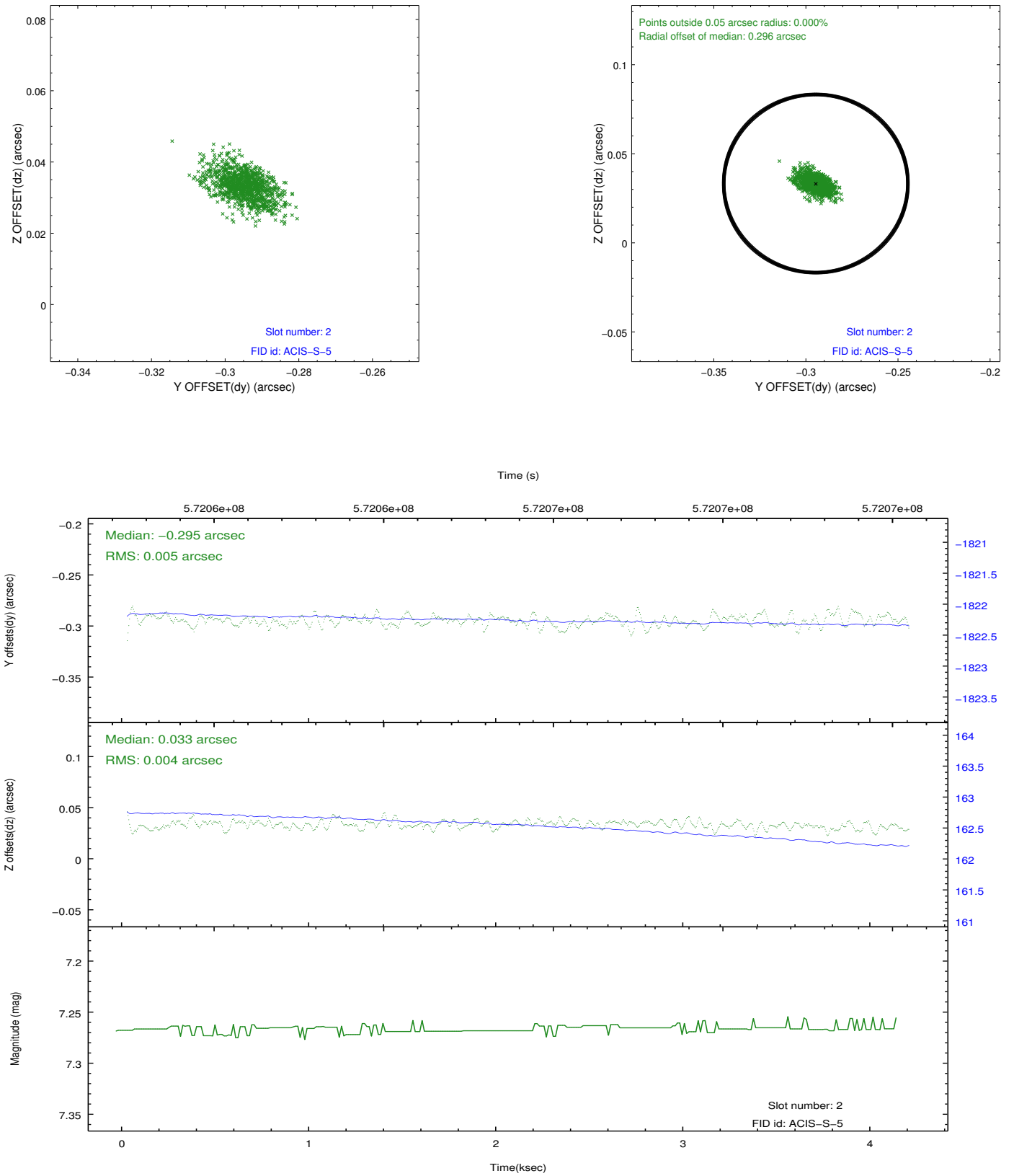
2.5.1 Slot 0



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)	2016.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1122412823439

A.2 Comments