

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2961 - L2 Version 3
Chandra X-Ray Center

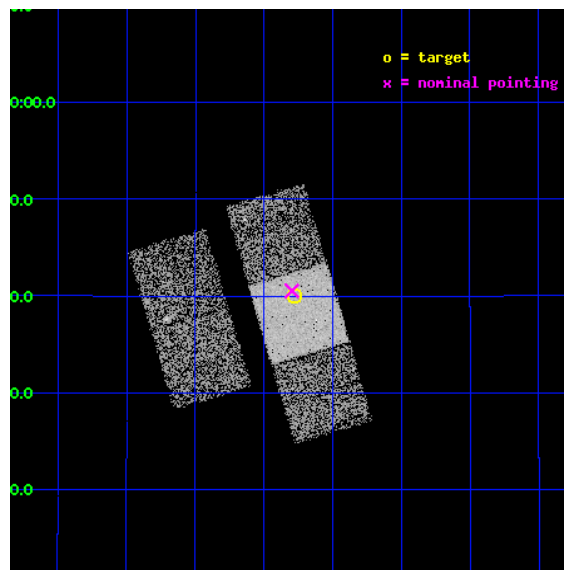
L2 Processing Date : Sep 26 2012

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

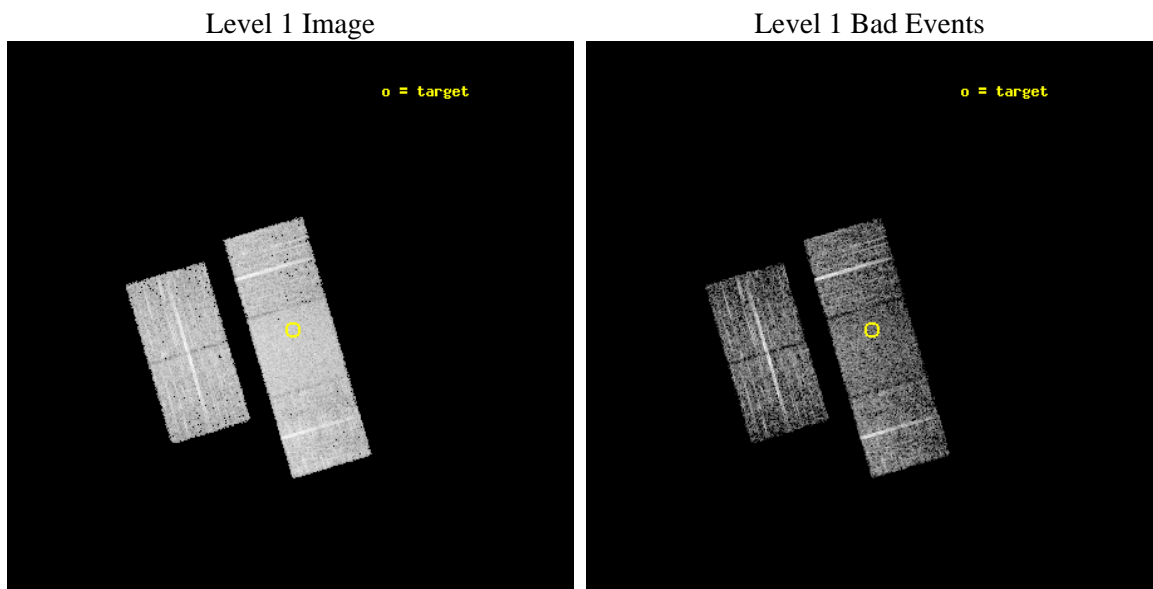
seq_num	700400	Sequence number
obs_id	2961	Observation id
title	A SNAPSHOT SURVEY OF THE OPTICALLY SELECTED TYPE-2 QUASARS	Proposa
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 0902+1640	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.694583	Observer's specified target RA [deg]
dec_targ	16.666944	Observer's specified target Dec [deg]
ra_nom	135.69915225188	Nominal RA [deg]
dec_nom	16.675733888076	Nominal Dec [deg]
roll_nom	73.572316541611	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5089.5555114448	Sum of GTIs [s]
livetime	5023.0567218115	Livetime [s]
ontime2	5086.2503912002	Sum of GTIs [s]
ontime3	5089.4734314382	Sum of GTIs [s]
ontime6	5089.5144714415	Sum of GTIs [s]
ontime7	5089.5555114448	Sum of GTIs [s]
ontime8	5089.4323914498	Sum of GTIs [s]
l2events	32952	Number of level 2 events



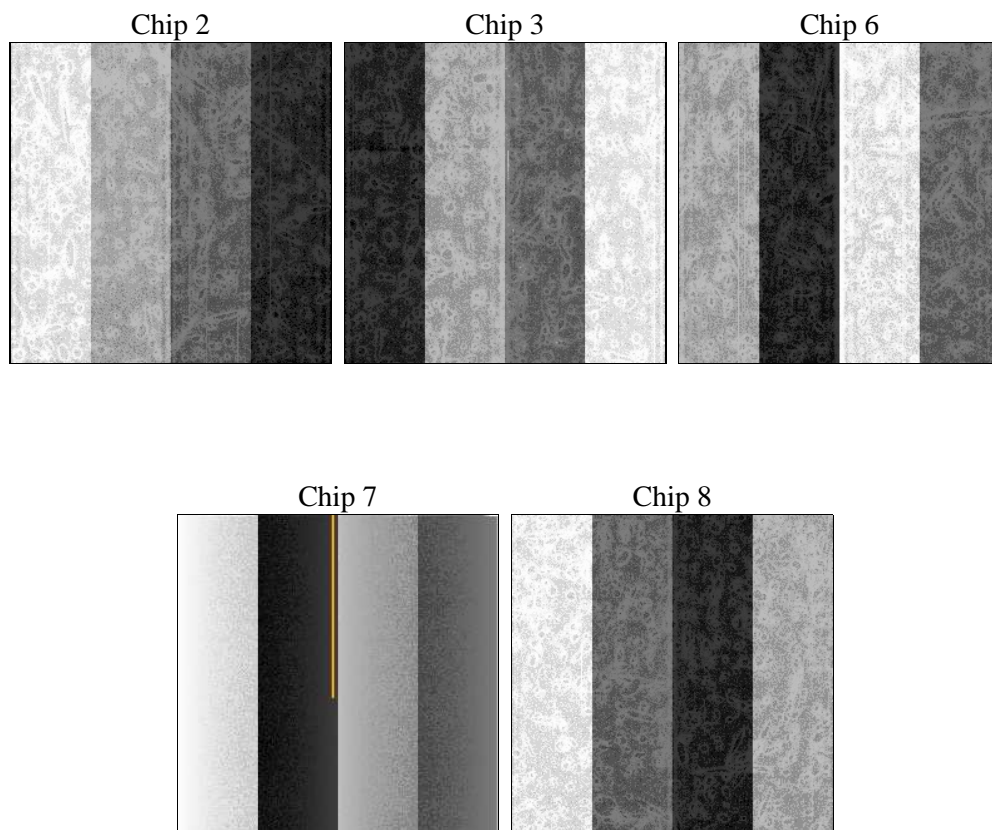
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5089.5555114448	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	5086.2503912002	Sum of GTIs [s]
date	2012-09-27T01:57:03	Date and time of file creation	ontime3	5089.4734314382	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5089.5144714415	Sum of GTIs [s]
			ontime7	5089.5555114448	Sum of GTIs [s]
			ontime8	5089.4323914498	Sum of GTIs [s]
			l1events	185133	Number of level 1 events

2.1.4 Events

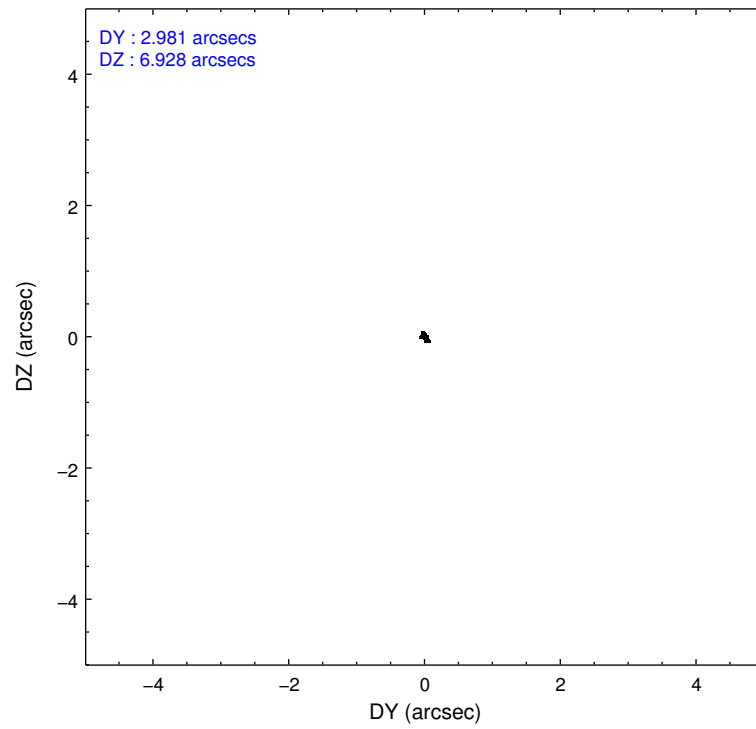
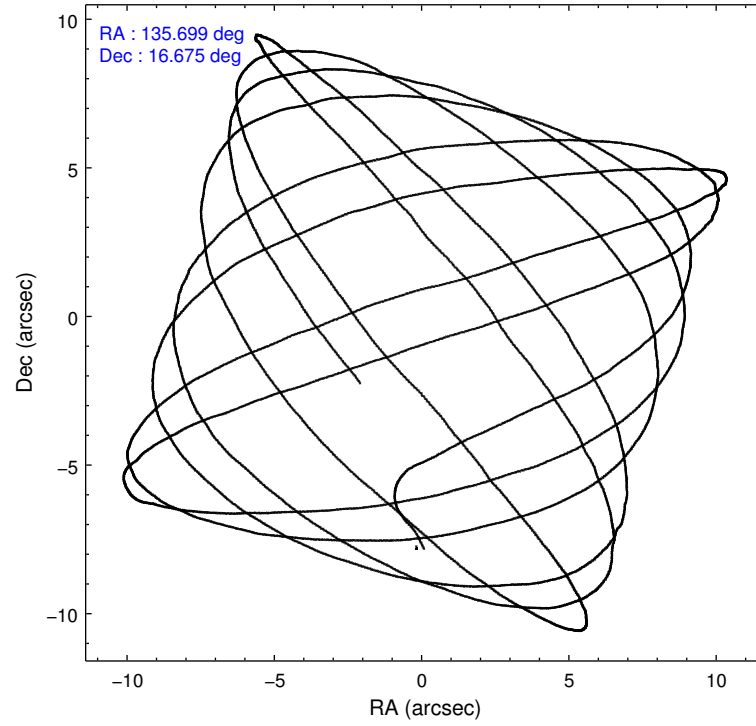
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	32506	32436	34276	43891	42024
rejected events	28464	28408	30032	25183	32905
rejected %	87%	87%	87%	57%	78%

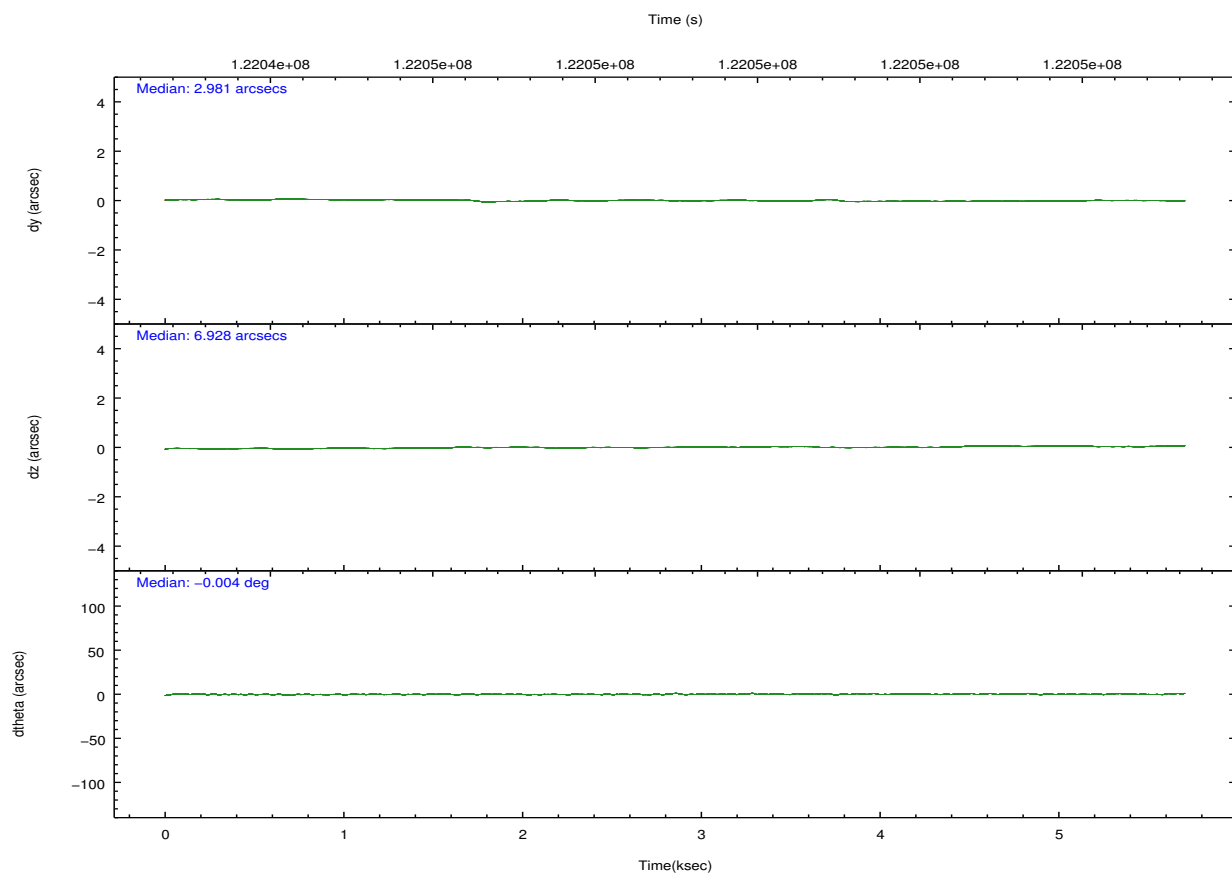
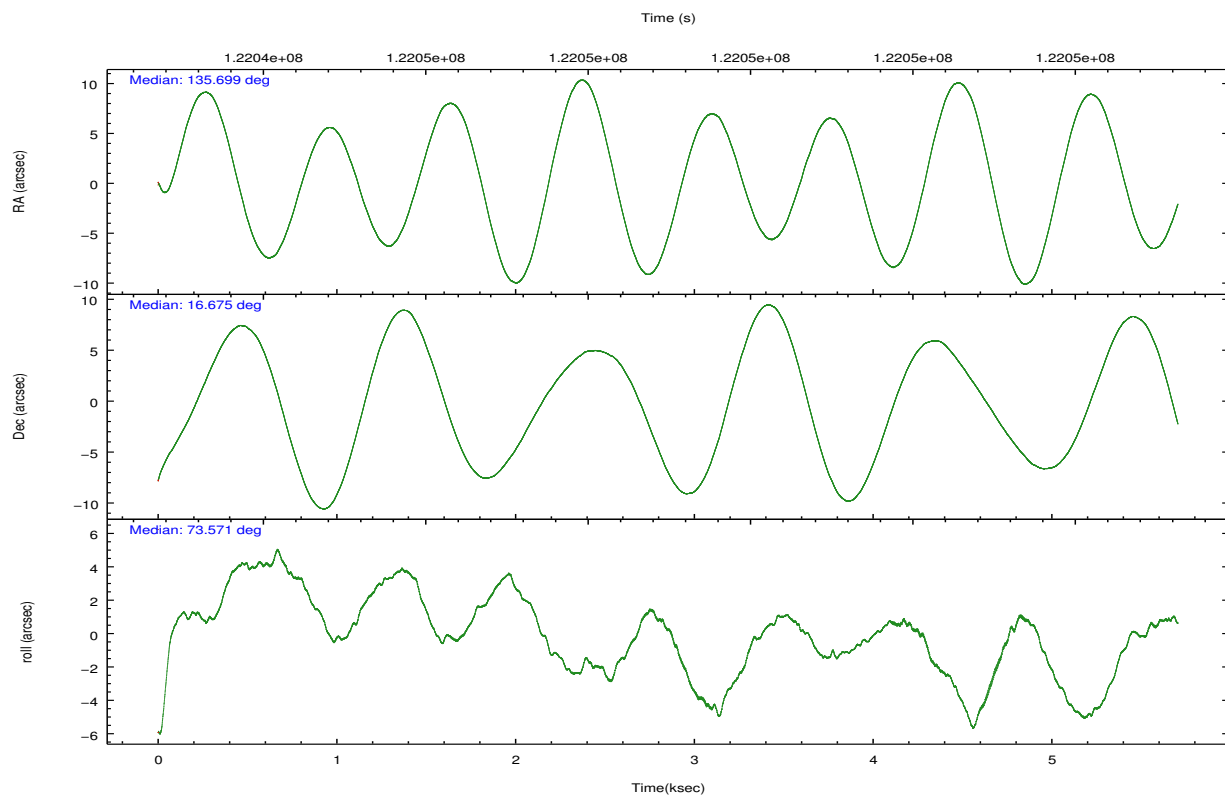
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1821	1781	1803	1744	2886
	5%	5%	5%	3%	6%
grade 1 events	17	17	16	34	23
	0%	0%	0%	0%	0%
grade 2 events	838	828	821	3731	2038
	2%	2%	2%	8%	4%
grade 3 events	354	379	417	1677	990
	1%	1%	1%	3%	2%
grade 4 events	336	343	383	1702	926
	1%	1%	1%	3%	2%
grade 5 events	1043	1212	1390	4063	1755
	3%	3%	4%	9%	4%
grade 6 events	696	703	825	9879	2282
	2%	2%	2%	22%	5%
grade 7 events	27401	27173	28621	21061	31124
	84%	83%	83%	47%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	135.706133	135.6991522518781	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.649216	16.67573388807568	Alternating exposures requested	N	N
[deg] Pointing Roll	73.413708	73.57231654161097	[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)	122045346.184000	122044126.24423			
Observation start date	2001-11-13T13:28:02	2001-11-13T13:08:46			
[s] Observation end time (MET)	122050346.184000	122051082.91951			
Observation end date	2001-11-13T14:51:22	2001-11-13T15:04:42			
Read mode	TIMED	TIMED			

2.3 Aspect



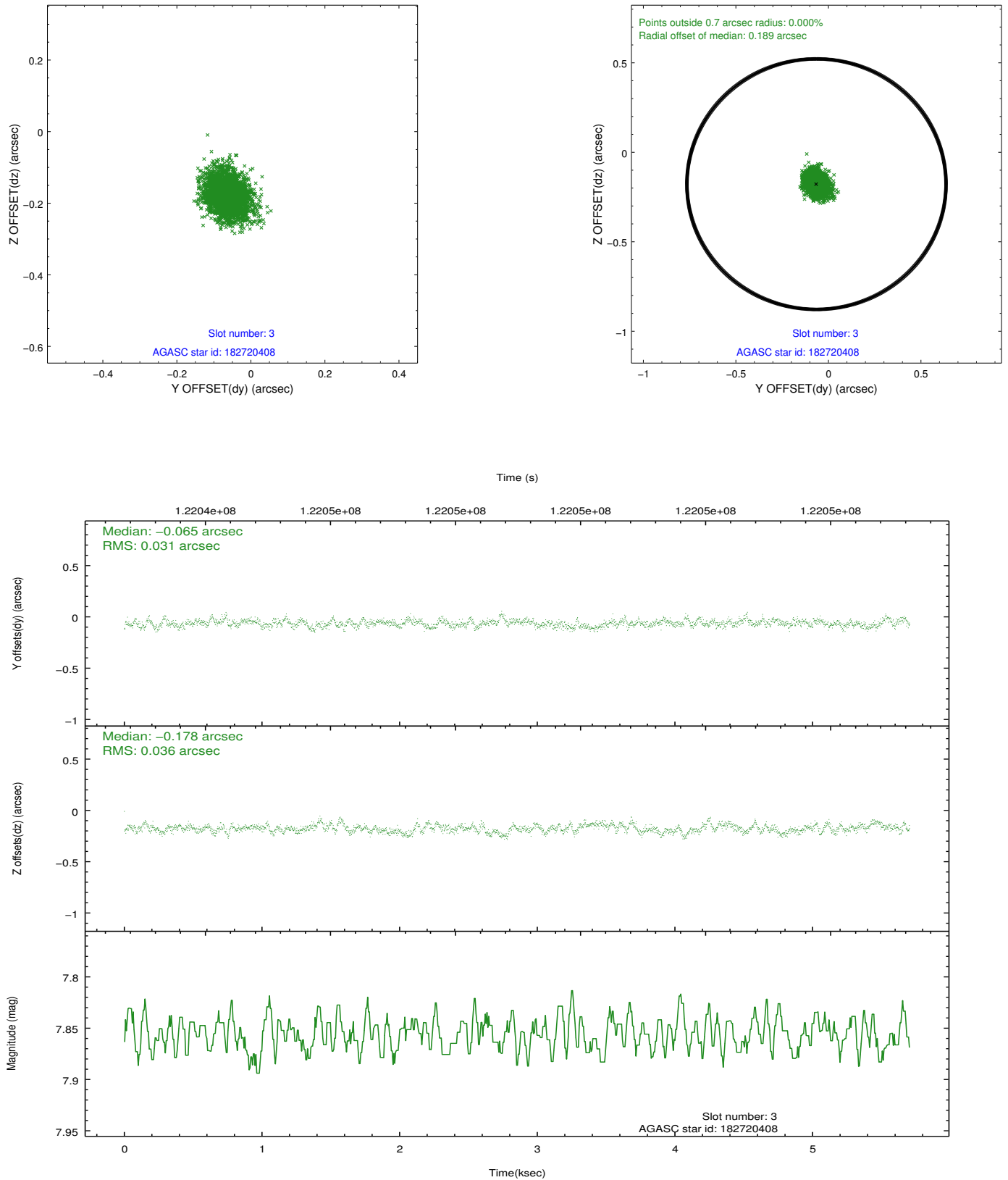


Slot Statistics

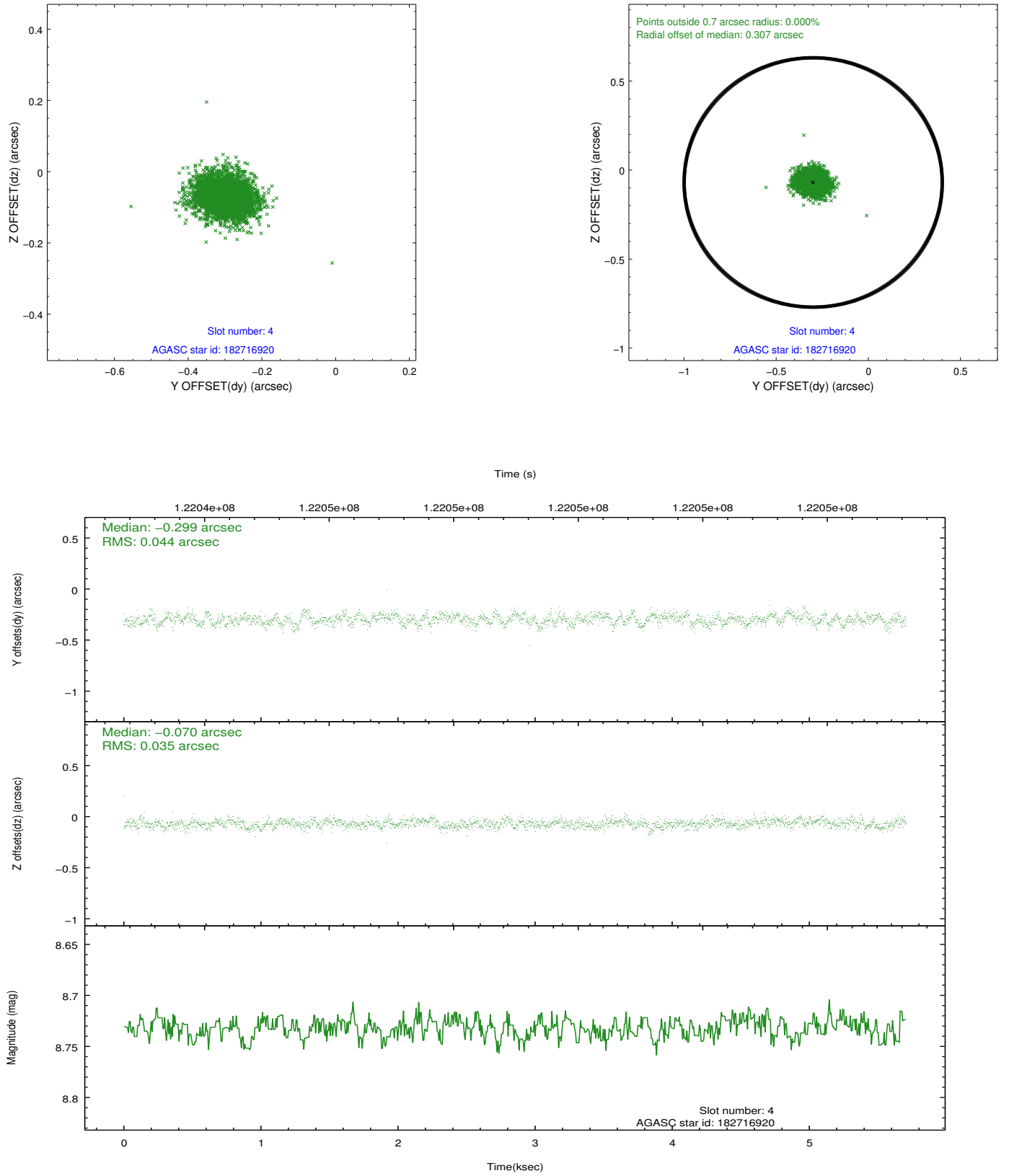
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1392	-0.016	0.012	0.007	0.011	0.000000	0.000000	-755.63	-1728.09
1	FID	ACIS-S-4	7.20	1391	-0.035	0.005	0.006	0.011	0.000000	0.000000	2157.14	179.33
2	FID	ACIS-S-5	7.24	1391	0.020	-0.007	0.007	0.012	0.000000	0.000000	-1807.10	174.15
3	GUIDE	182720408	7.86	2784	-0.065	-0.178	0.051	0.083	135.431899	17.081063	1222.26	1347.58
4	GUIDE	182716920	8.73	2783	-0.299	-0.070	0.060	0.096	135.493985	17.326670	2130.92	1394.85
5	GUIDE	183646936	9.39	2784	0.140	0.248	0.085	0.135	136.113290	15.909372	-2146.80	-2111.02
6	GUIDE	182724688	9.57	2783	0.287	-0.154	0.107	0.173	135.201634	16.135333	-2268.37	1142.98
7	GUIDE	183640504	9.75	2779	-0.068	0.154	0.096	0.154	136.133104	16.834453	1060.94	-1219.35

2.4 Star Slots

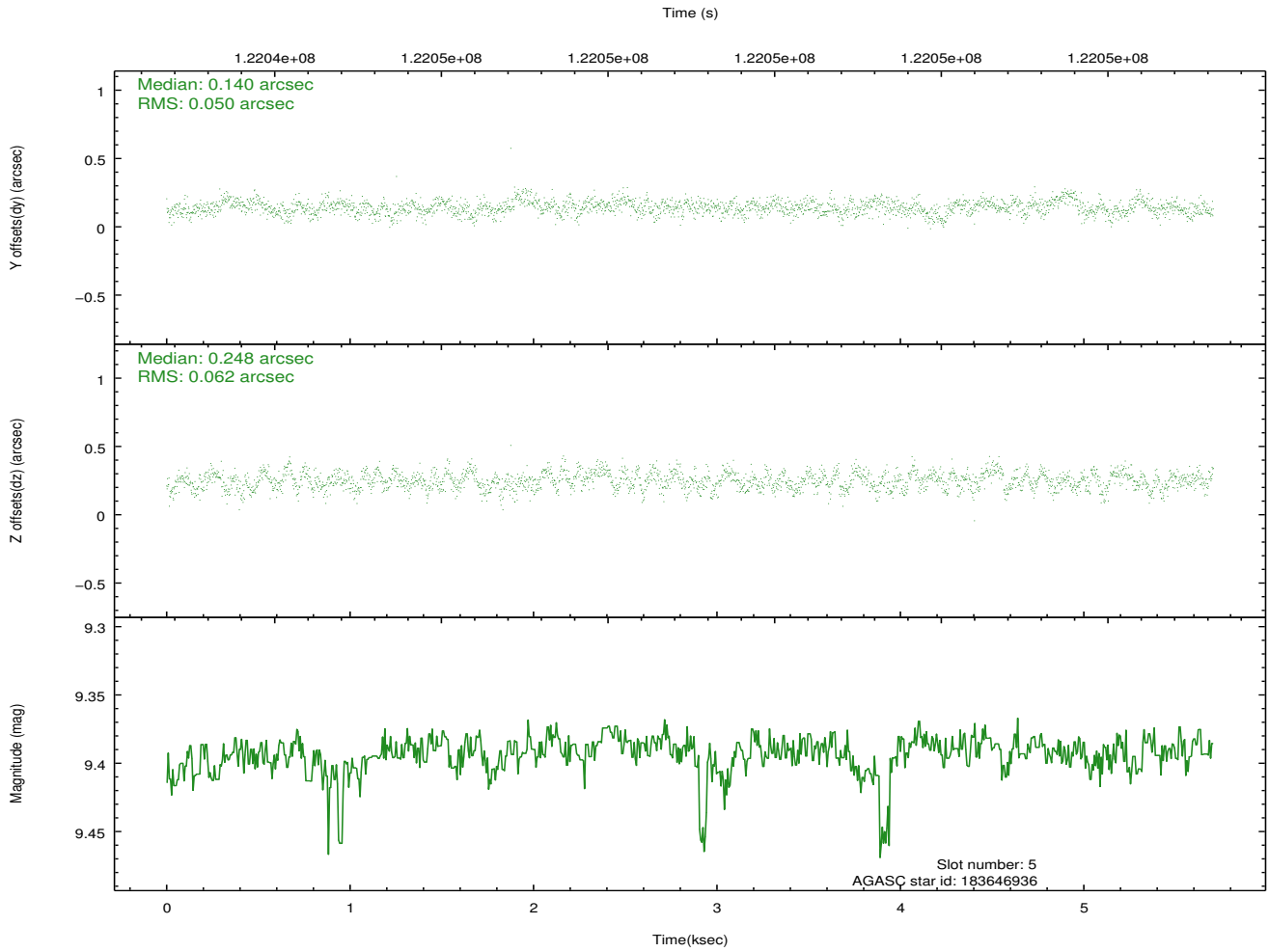
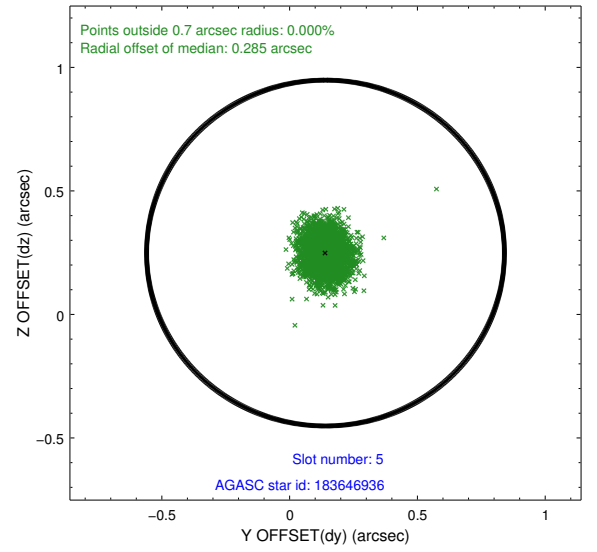
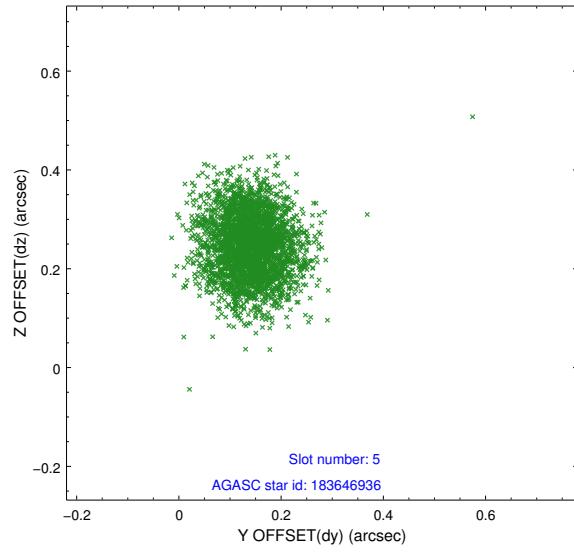
2.4.1 Slot 3



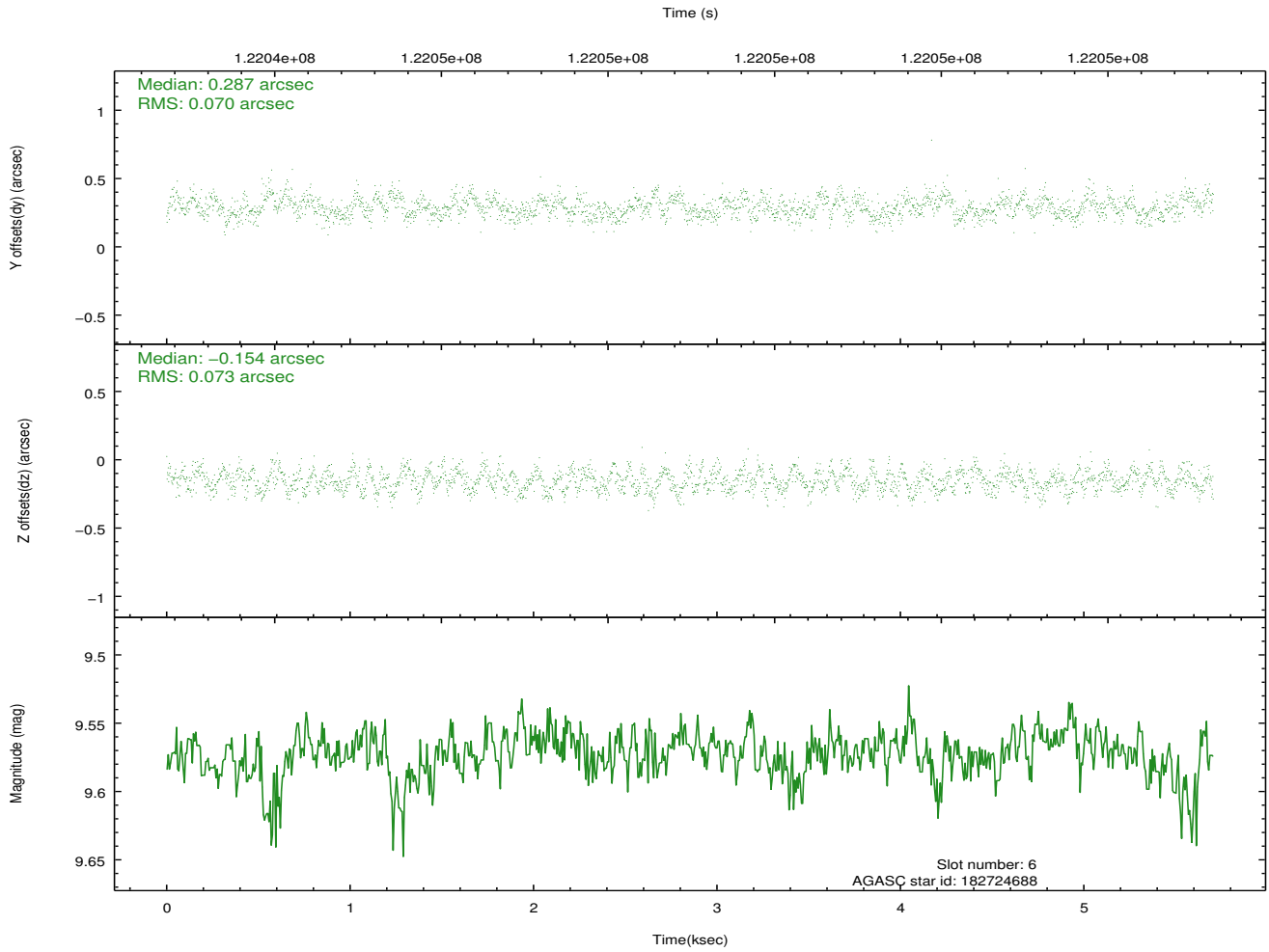
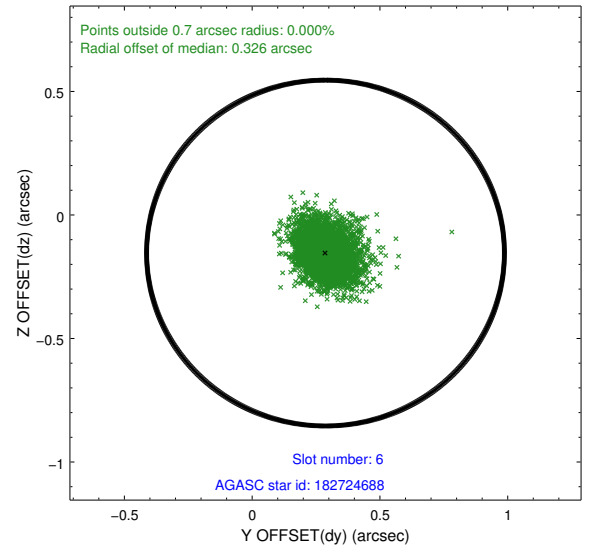
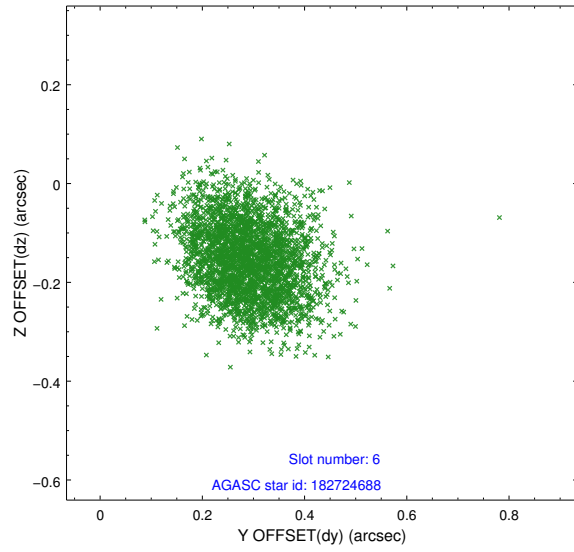
2.4.2 Slot 4



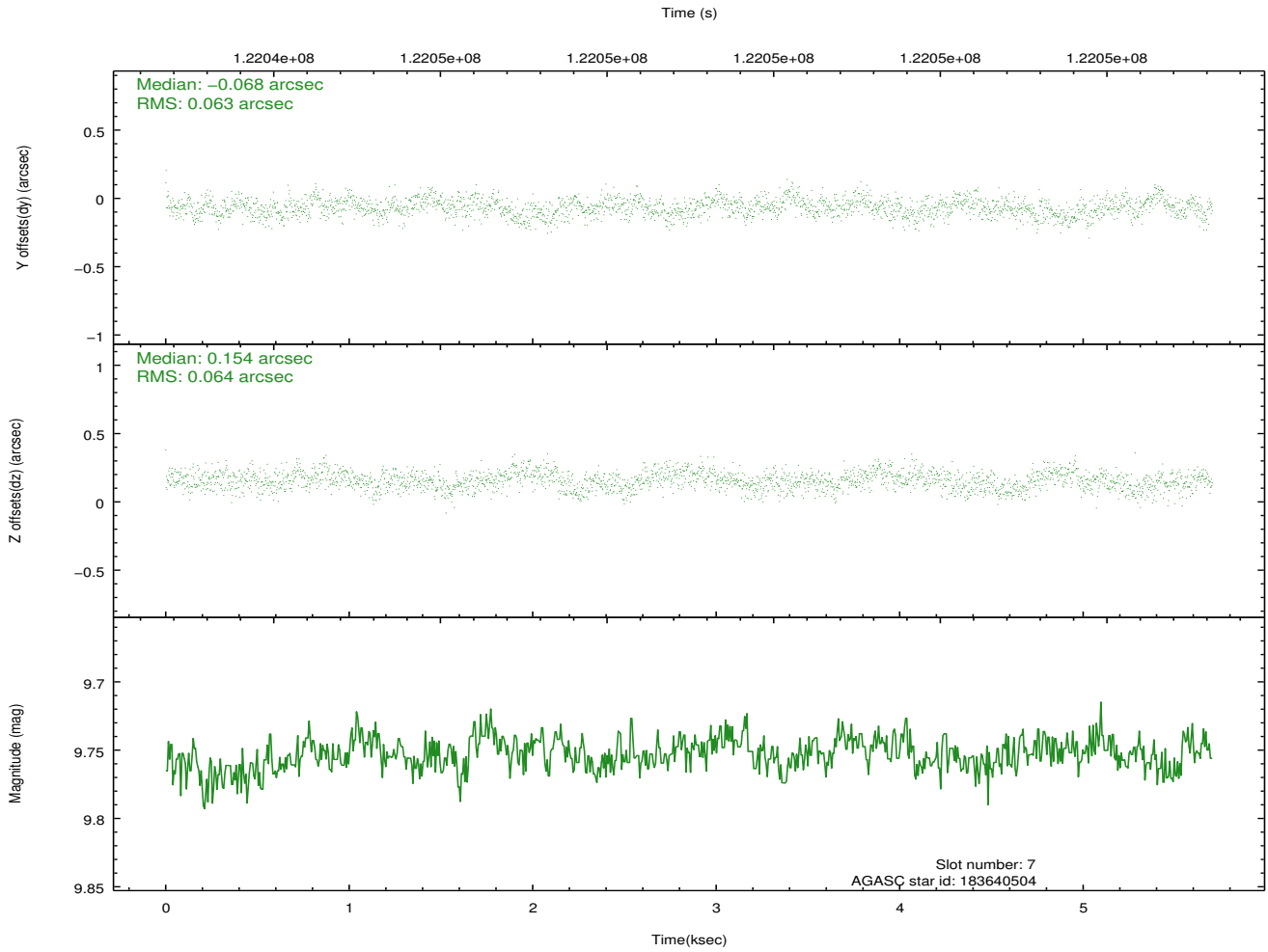
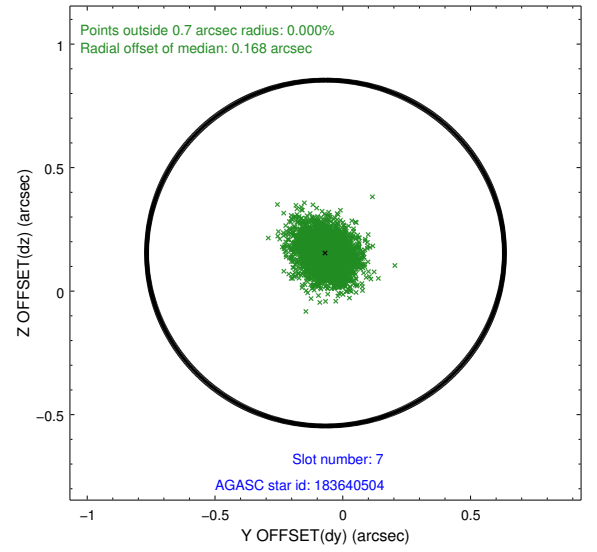
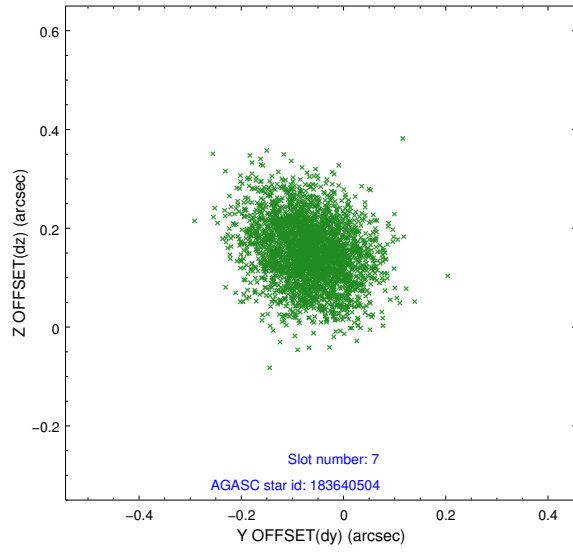
2.4.3 Slot 5



2.4.4 Slot 6

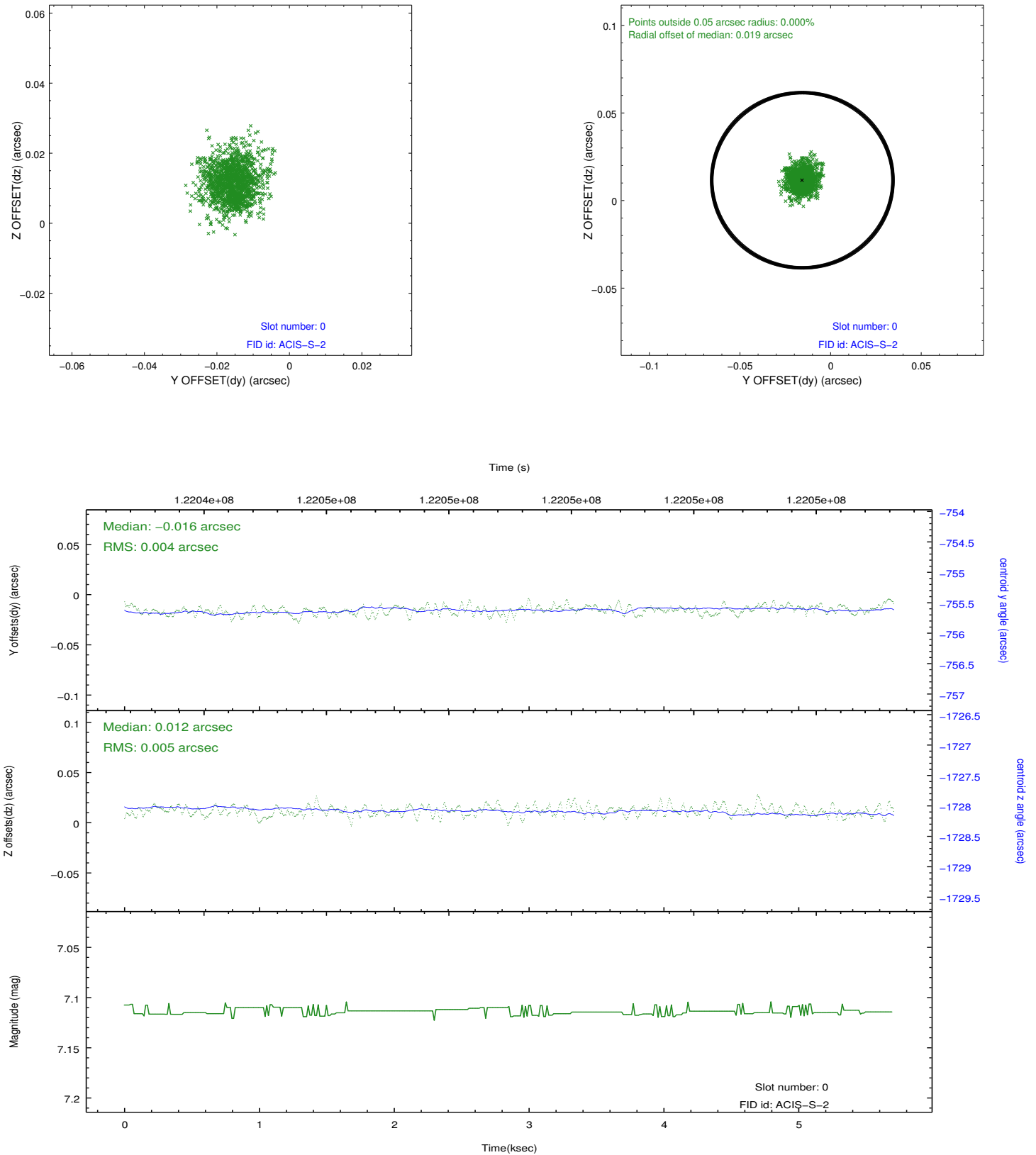


2.4.5 Slot 7

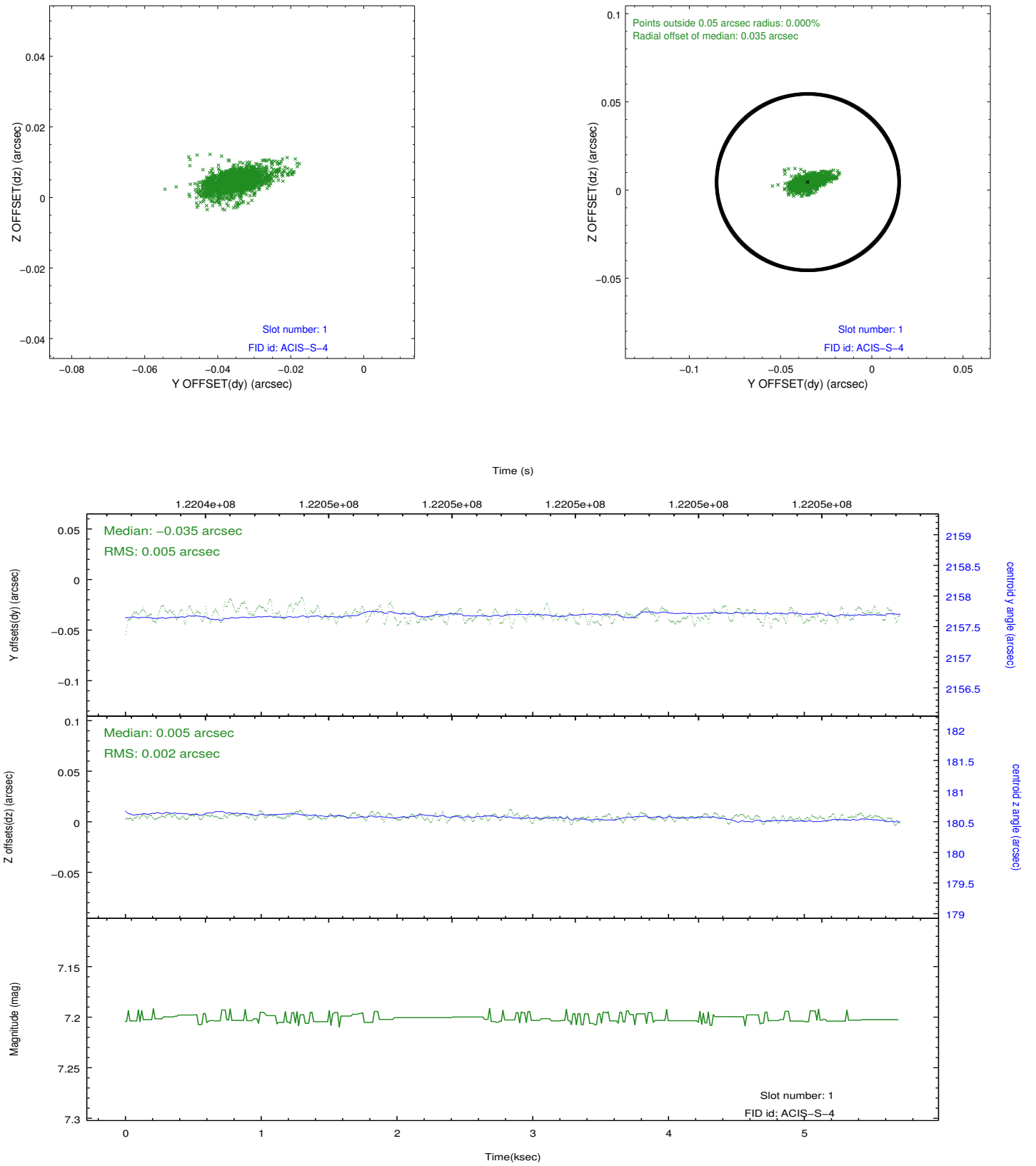


2.5 FID Slots

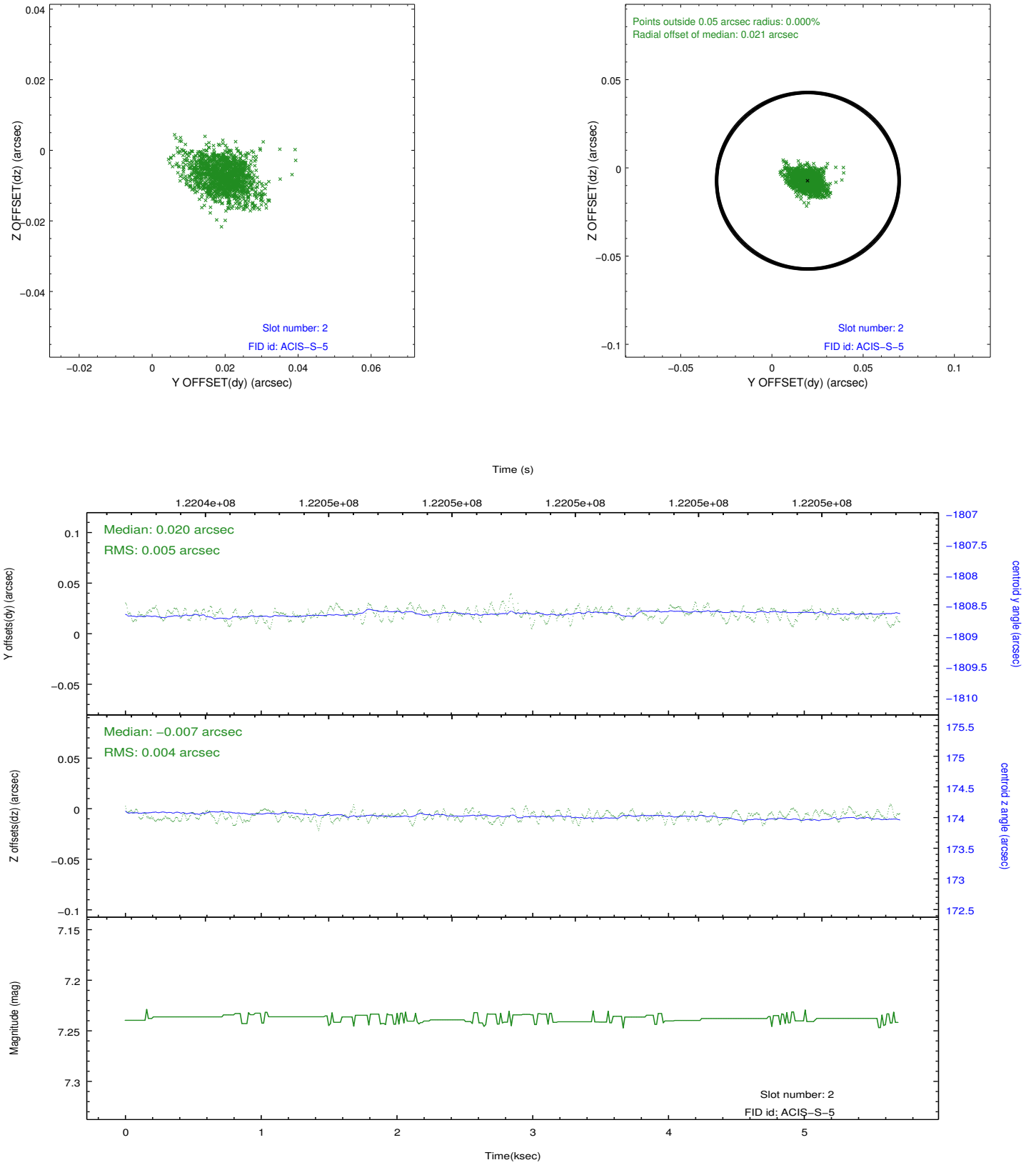
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.09

A.2 Comments

Joint proposal with HST.