

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5703 - L2 Version 3
Chandra X-Ray Center

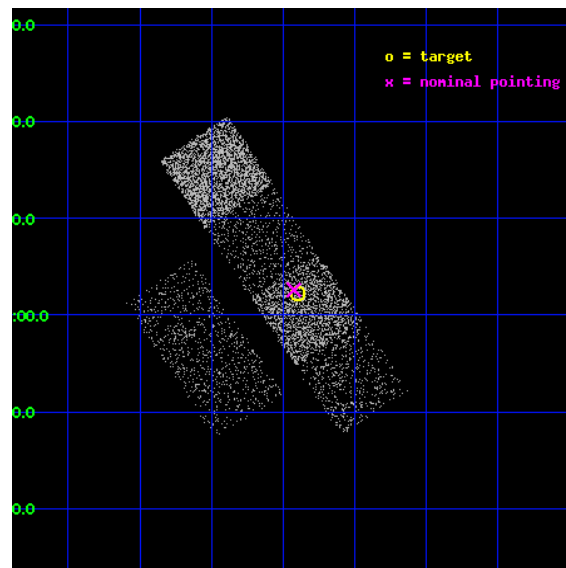
L2 Processing Date : Dec 15 2012

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1 Front

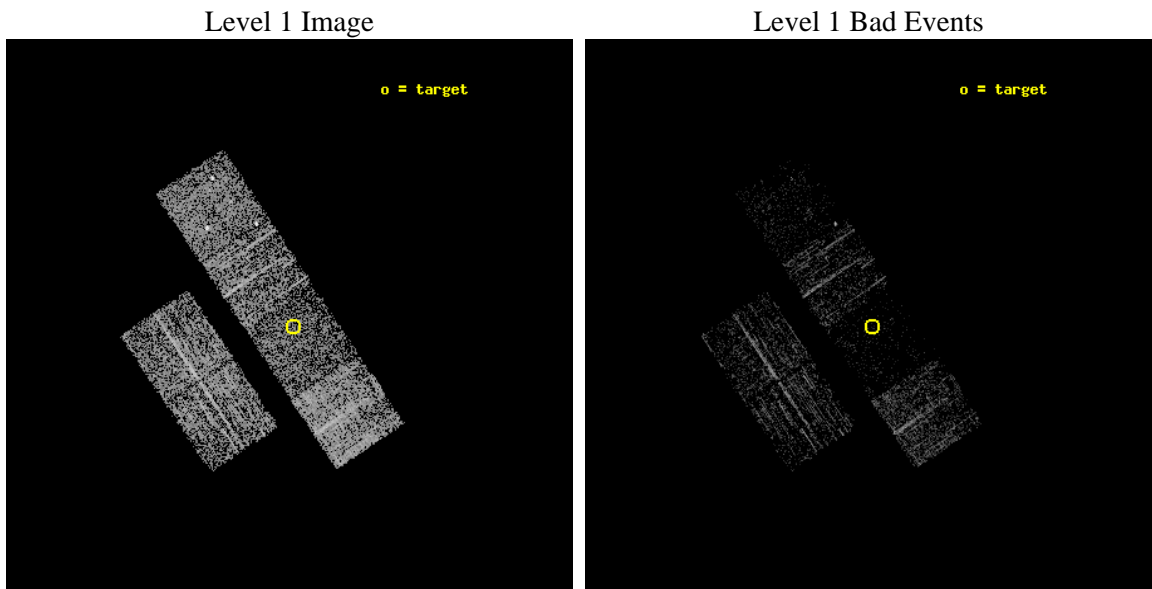
seq_num	701125	Sequence number
obs_id	5703	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J090924.01+000211.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.35	Observer's specified target RA [deg]
dec_targ	0.036389	Observer's specified target Dec [deg]
ra_nom	137.35633842971	Nominal RA [deg]
dec_nom	0.043270554779316	Nominal Dec [deg]
roll_nom	56.23870823926	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1353.5999949574	Sum of GTIs [s]
livetime	1336.4598967812	Livetime [s]
ontime2	1353.5999949574	Sum of GTIs [s]
ontime3	1353.5999949574	Sum of GTIs [s]
ontime5	1353.5999949574	Sum of GTIs [s]
ontime6	1353.5999949574	Sum of GTIs [s]
ontime7	1353.5999949574	Sum of GTIs [s]
ontime8	1350.3590146899	Sum of GTIs [s]
l2events	7777	Number of level 2 events



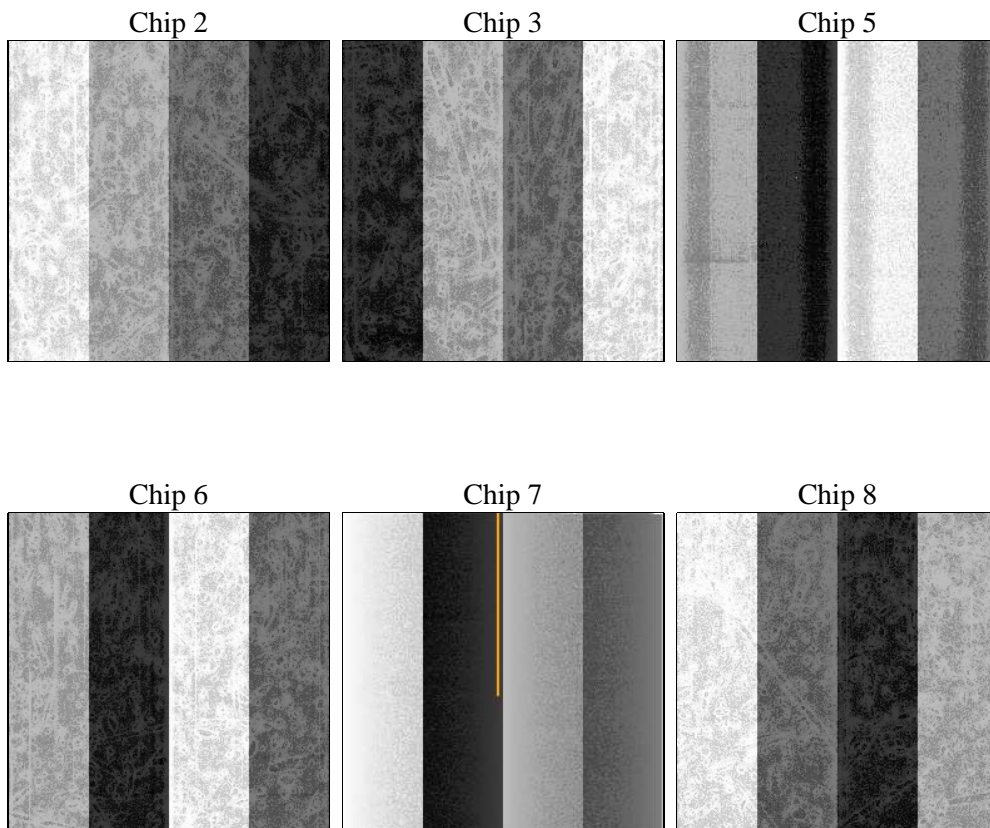
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	1353.5999949574	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	1353.5999949574	Sum of GTIs [s]
date	2012-12-15T05:38:33	Date and time of file creation	ontime3	1353.5999949574	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1353.5999949574	Sum of GTIs [s]
			ontime6	1353.5999949574	Sum of GTIs [s]
			ontime7	1353.5999949574	Sum of GTIs [s]
			ontime8	1350.3590146899	Sum of GTIs [s]
			l1events	44096	Number of level 1 events

2.1.4 Events

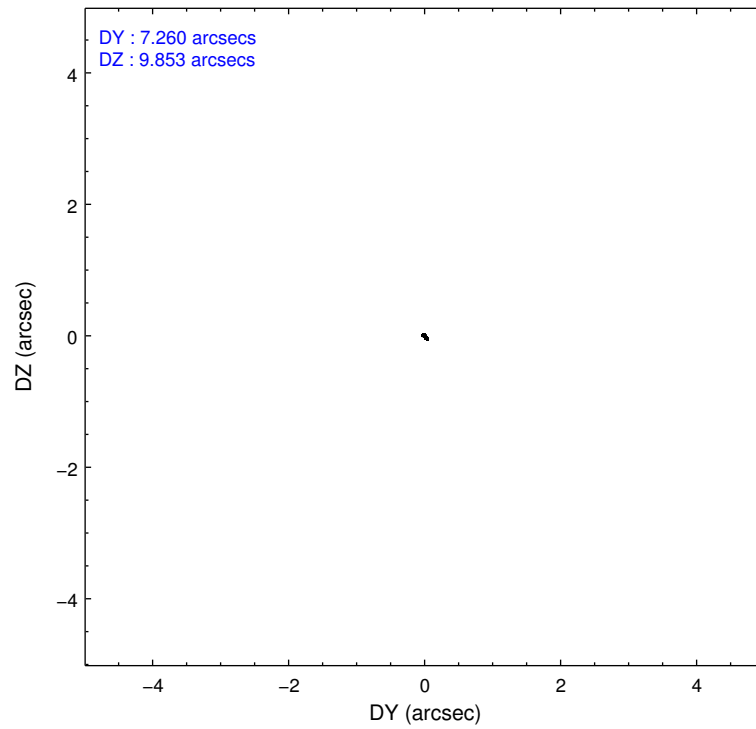
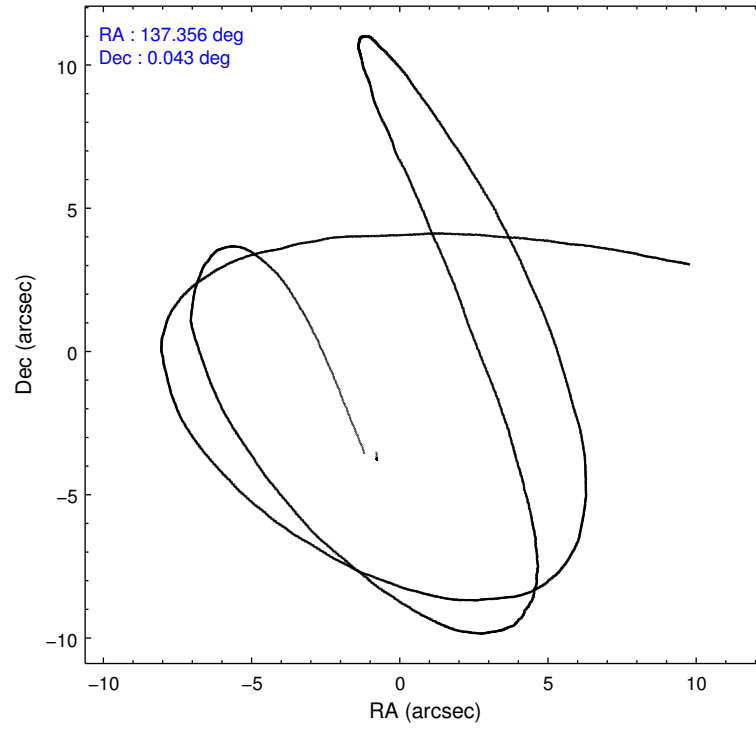
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7529	7640	7023	7084	4029	10791
rejected events	6884	7073	2536	6446	1659	8839
rejected %	91%	92%	36%	90%	41%	81%

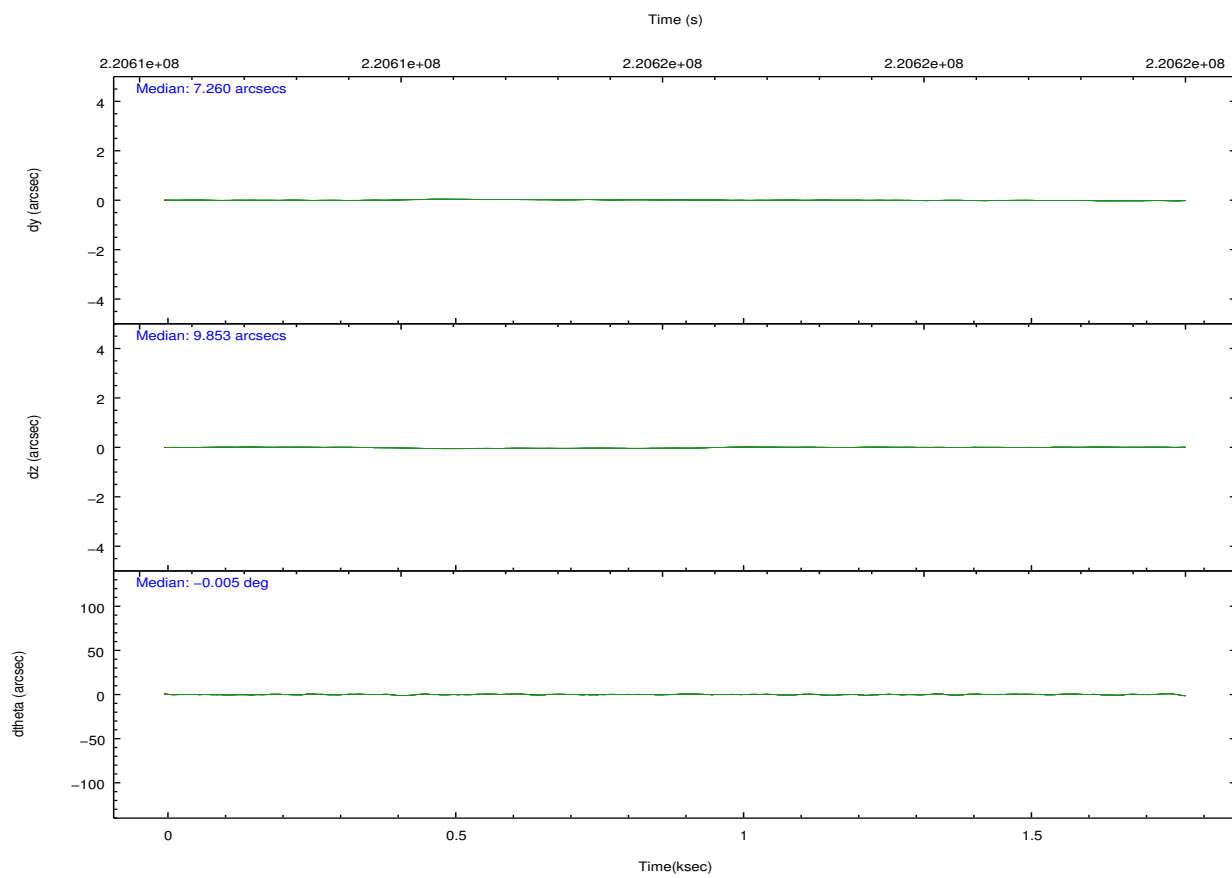
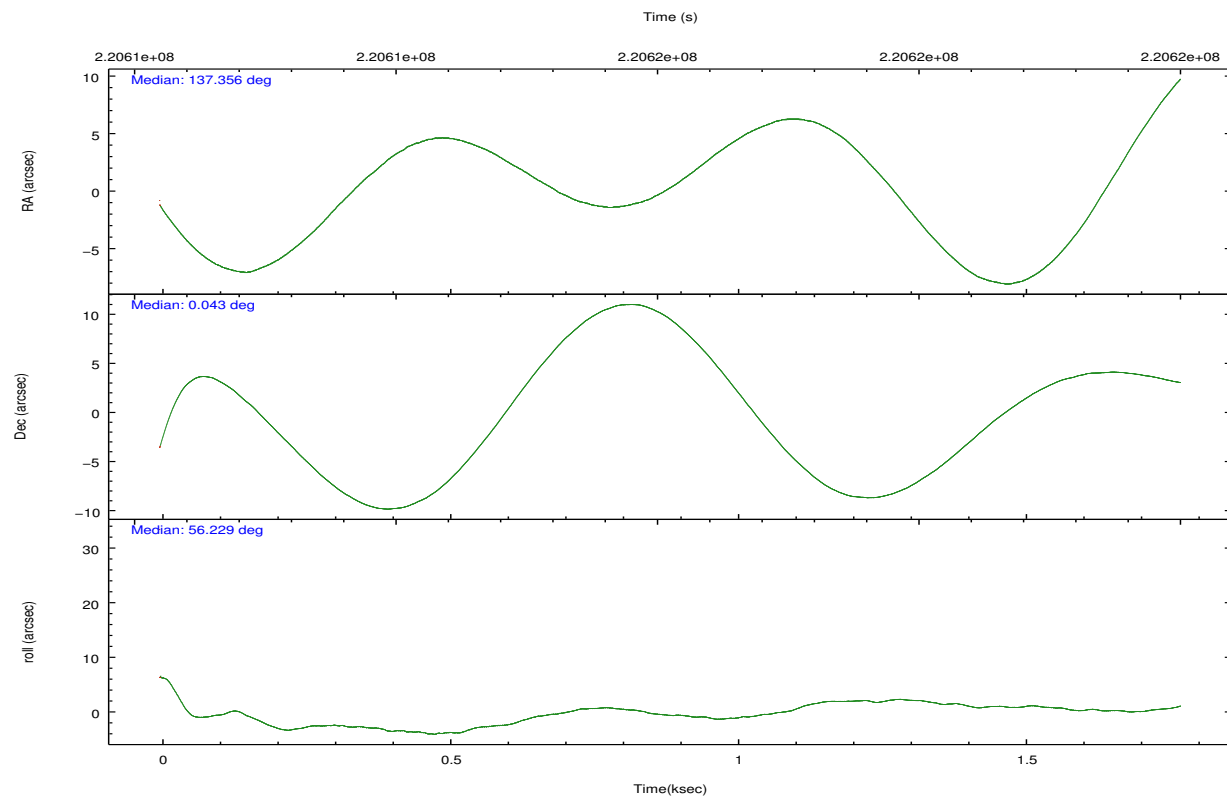
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	258	216	936	250	319	557
	3%	2%	13%	3%	7%	5%
grade 1 events	4	1	58	7	6	13
	0%	0%	0%	0%	0%	0%
grade 2 events	150	123	1301	136	565	440
	1%	1%	18%	1%	14%	4%
grade 3 events	73	78	227	84	263	244
	0%	1%	3%	1%	6%	2%
grade 4 events	73	72	238	72	257	253
	0%	0%	3%	1%	6%	2%
grade 5 events	110	145	604	120	433	231
	1%	1%	8%	1%	10%	2%
grade 6 events	92	79	1803	99	973	464
	1%	1%	25%	1%	24%	4%
grade 7 events	6769	6926	1856	6316	1213	8589
	89%	90%	26%	89%	30%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	137.355279	137.3563384297056	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.016163	0.04327055477931644	Alternating exposures requested	N	N
[deg] Pointing Roll	56.082008	56.23870823925962	[s] Primary exposure time	0.000000	3.2
[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)	220614311.184000	220613129.36046			
Observation start date	2004-12-28T09:44:07	2004-12-28T09:25:29			
[s] Observation end time (MET)	220615911.184000	220616859.84813			
Observation end date	2004-12-28T10:10:47	2004-12-28T10:27:39			
Read mode	TIMED	TIMED			

2.3 Aspect



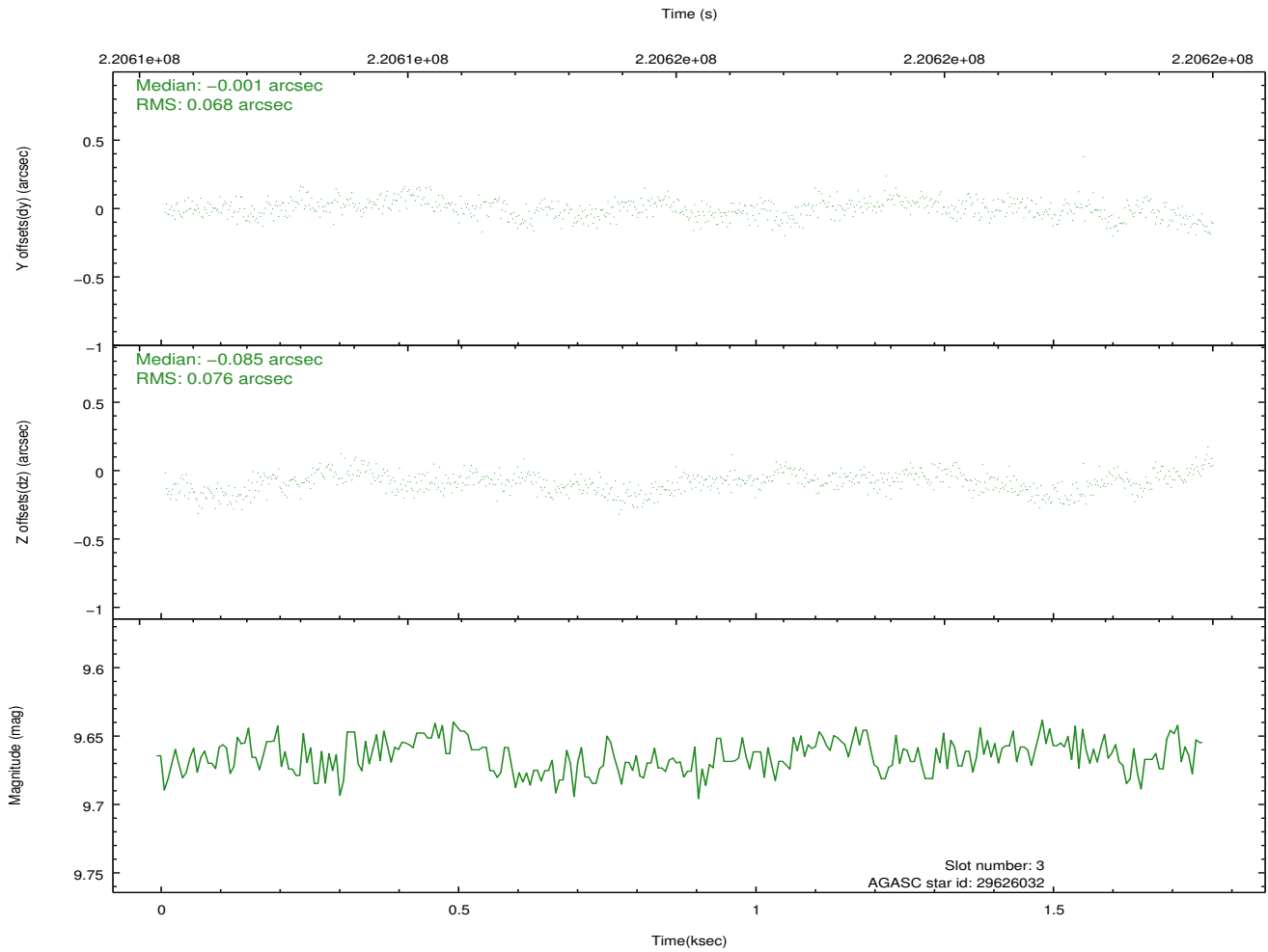
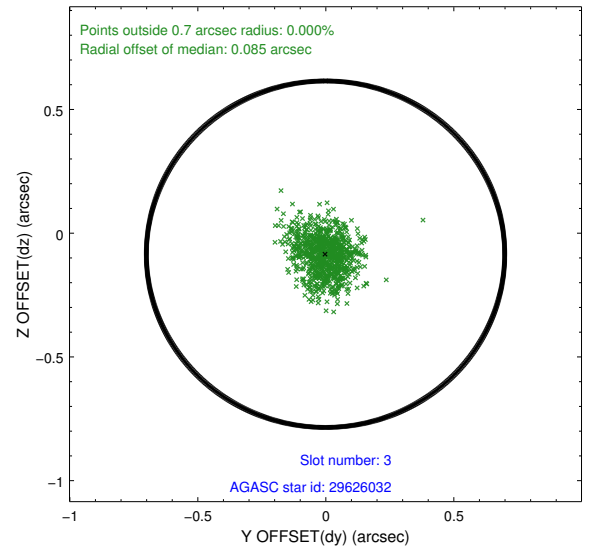
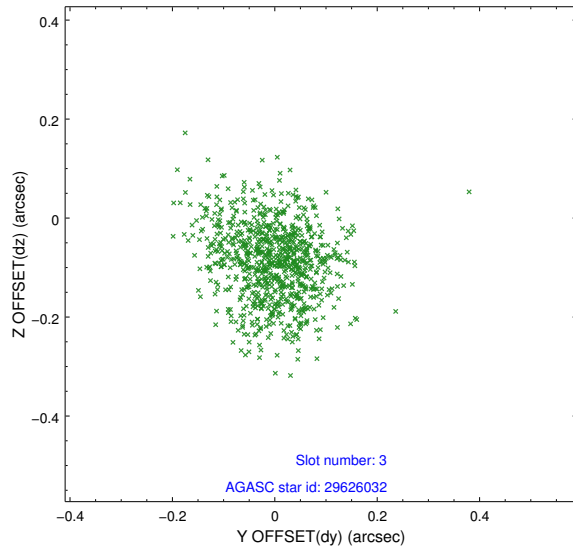


Slot Statistics

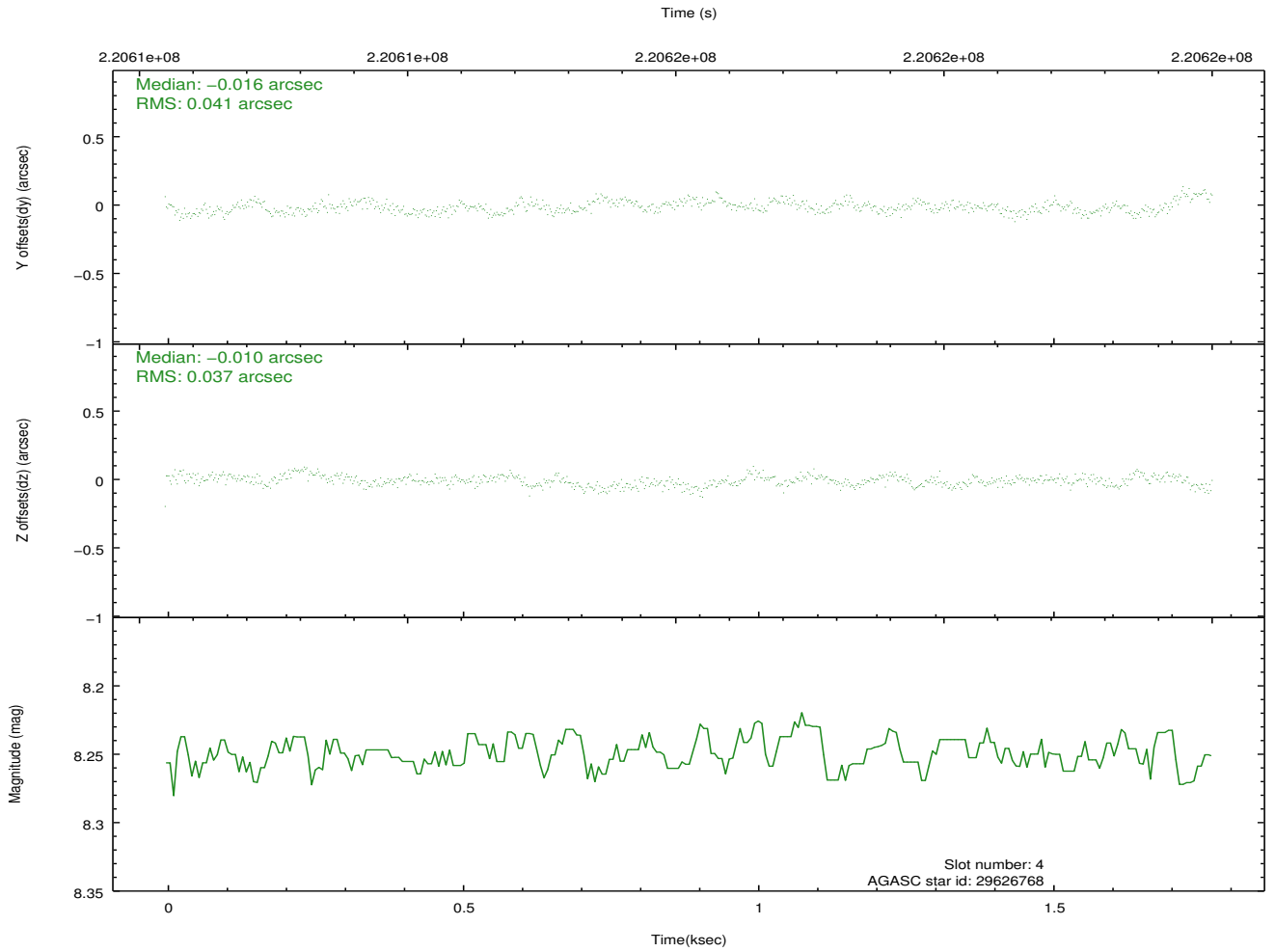
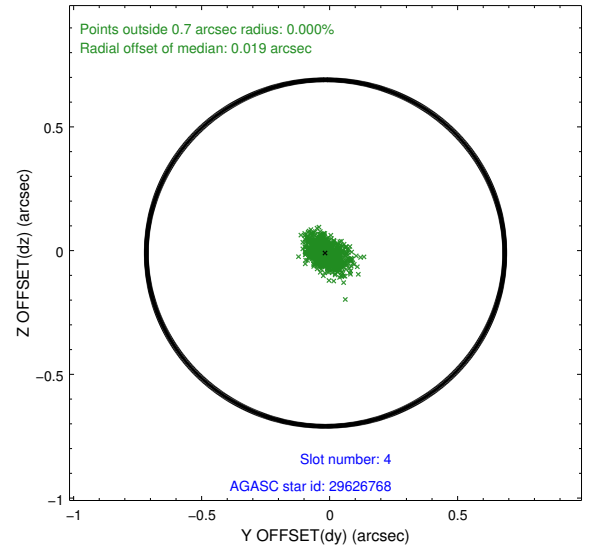
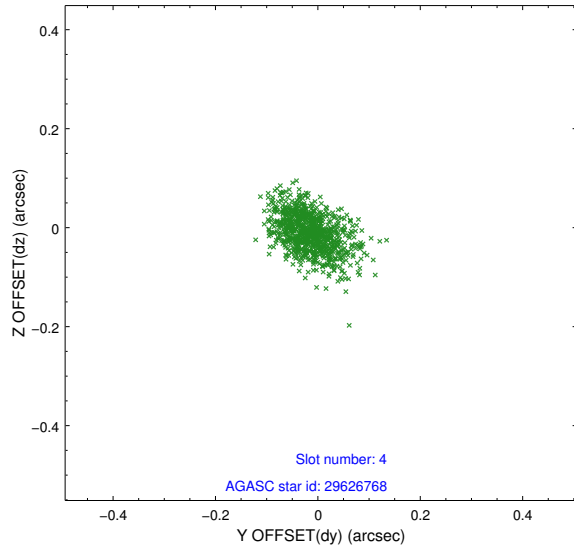
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	433	-0.049	-0.031	0.006	0.010	0.000000	0.000000	-760.03	-1731.13
1	FID	ACIS-S-4	7.20	432	0.103	0.032	0.006	0.011	0.000000	0.000000	2151.67	173.63
2	FID	ACIS-S-5	7.24	433	-0.086	0.008	0.006	0.010	0.000000	0.000000	-1808.18	171.42
3	GUIDE	29626032	9.66	860	-0.001	-0.085	0.108	0.173	137.414003	0.223040	737.22	239.48
4	GUIDE	29626768	8.25	866	-0.016	-0.010	0.058	0.099	136.888189	0.063238	-795.89	1489.95
5	GUIDE	639501600	9.66	866	-0.048	0.192	0.137	0.212	137.692031	-0.173298	111.00	-1385.27
6	GUIDE	639508320	9.41	866	0.116	-0.190	0.080	0.125	137.148148	-0.283173	-1308.85	14.95
7	GUIDE	639508480	8.59	865	-0.051	0.099	0.085	0.137	137.375691	-0.398425	-1198.33	-895.04

2.4 Star Slots

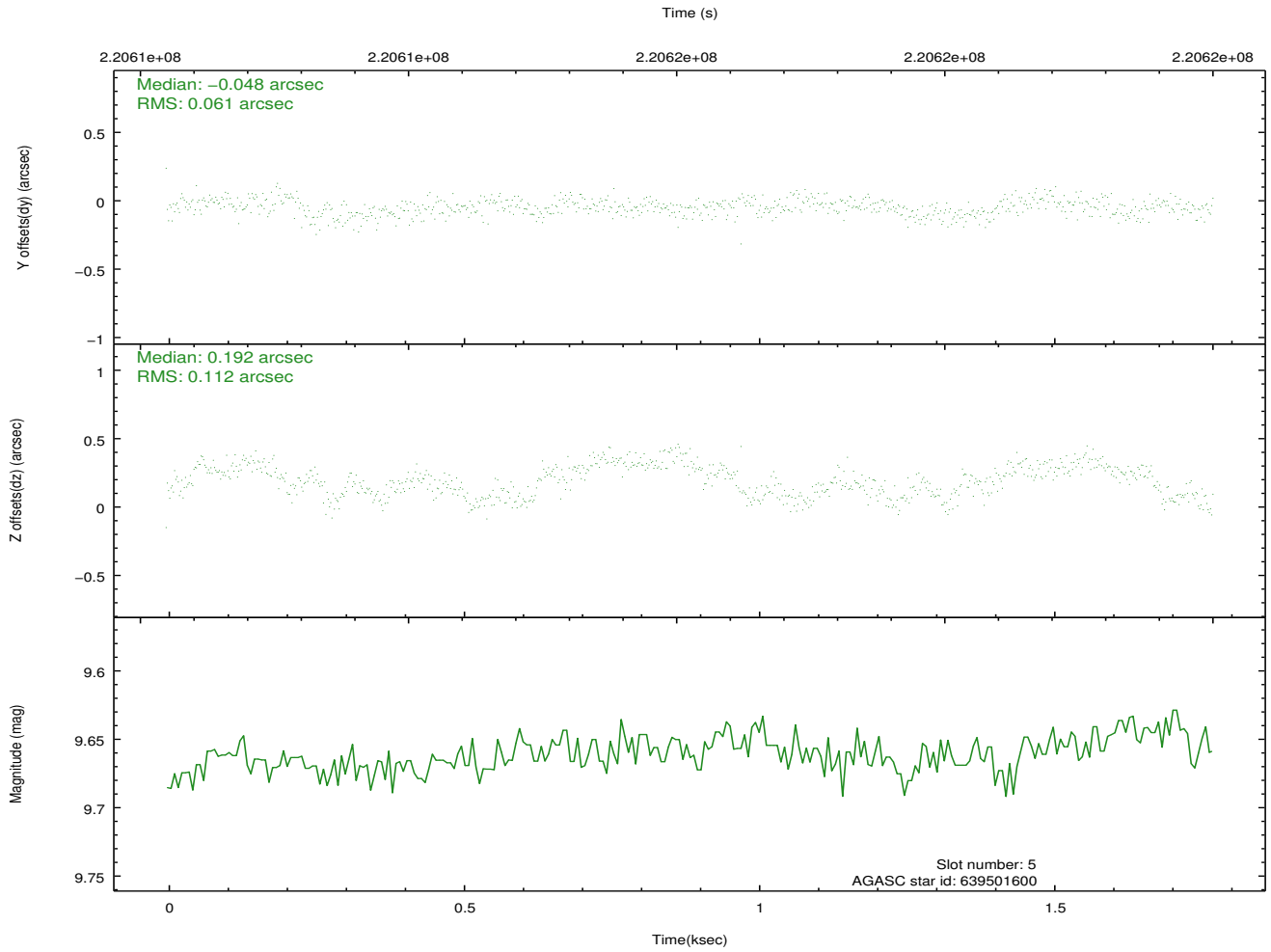
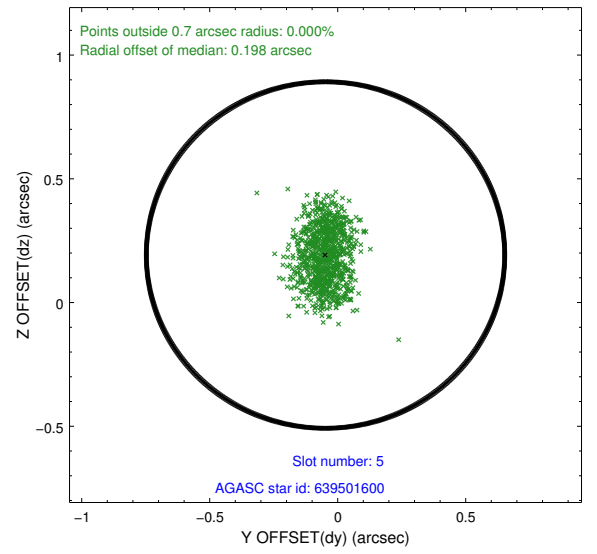
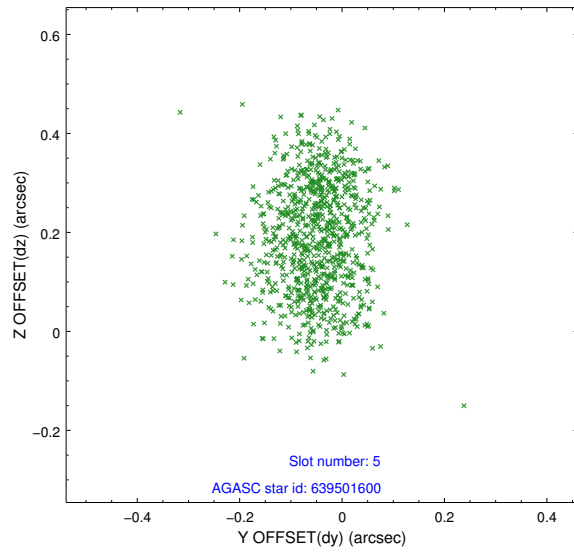
2.4.1 Slot 3



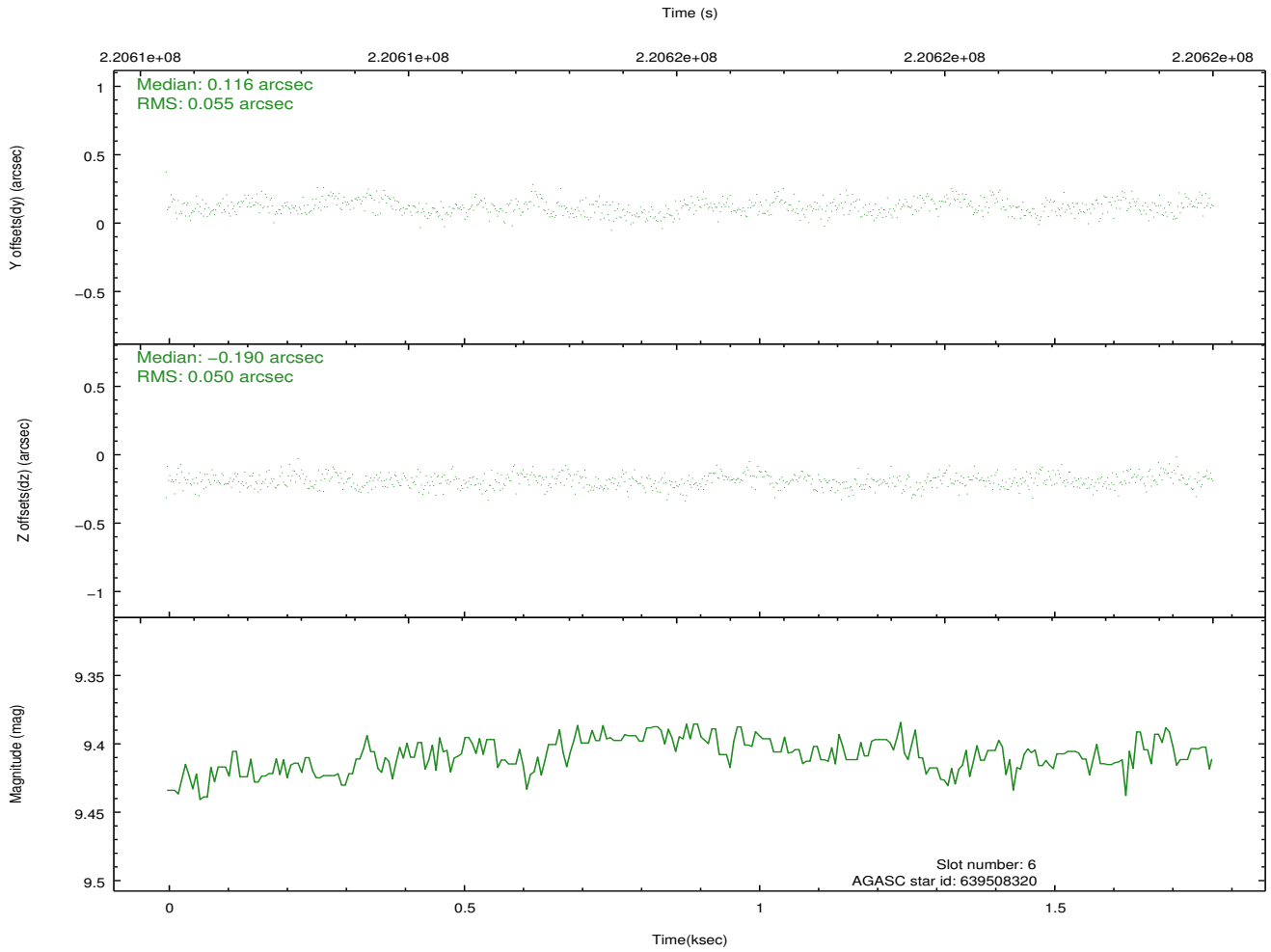
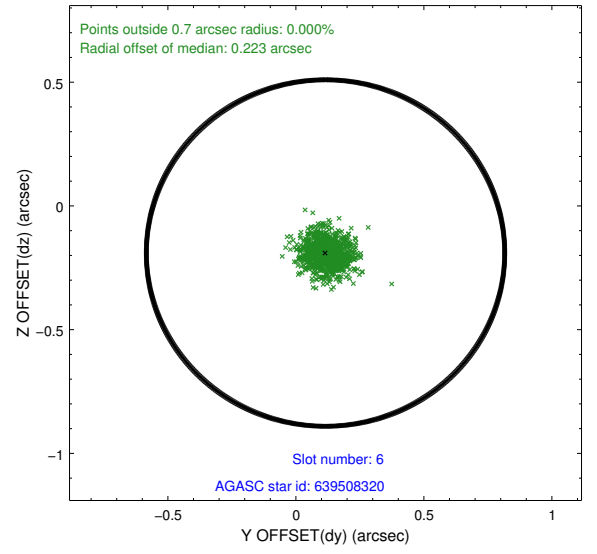
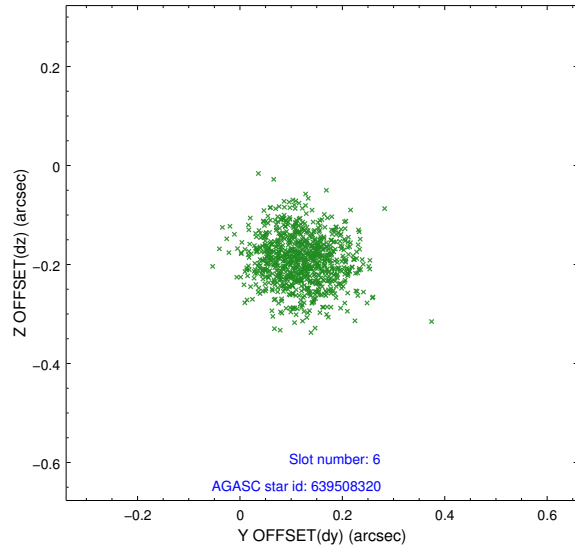
2.4.2 Slot 4



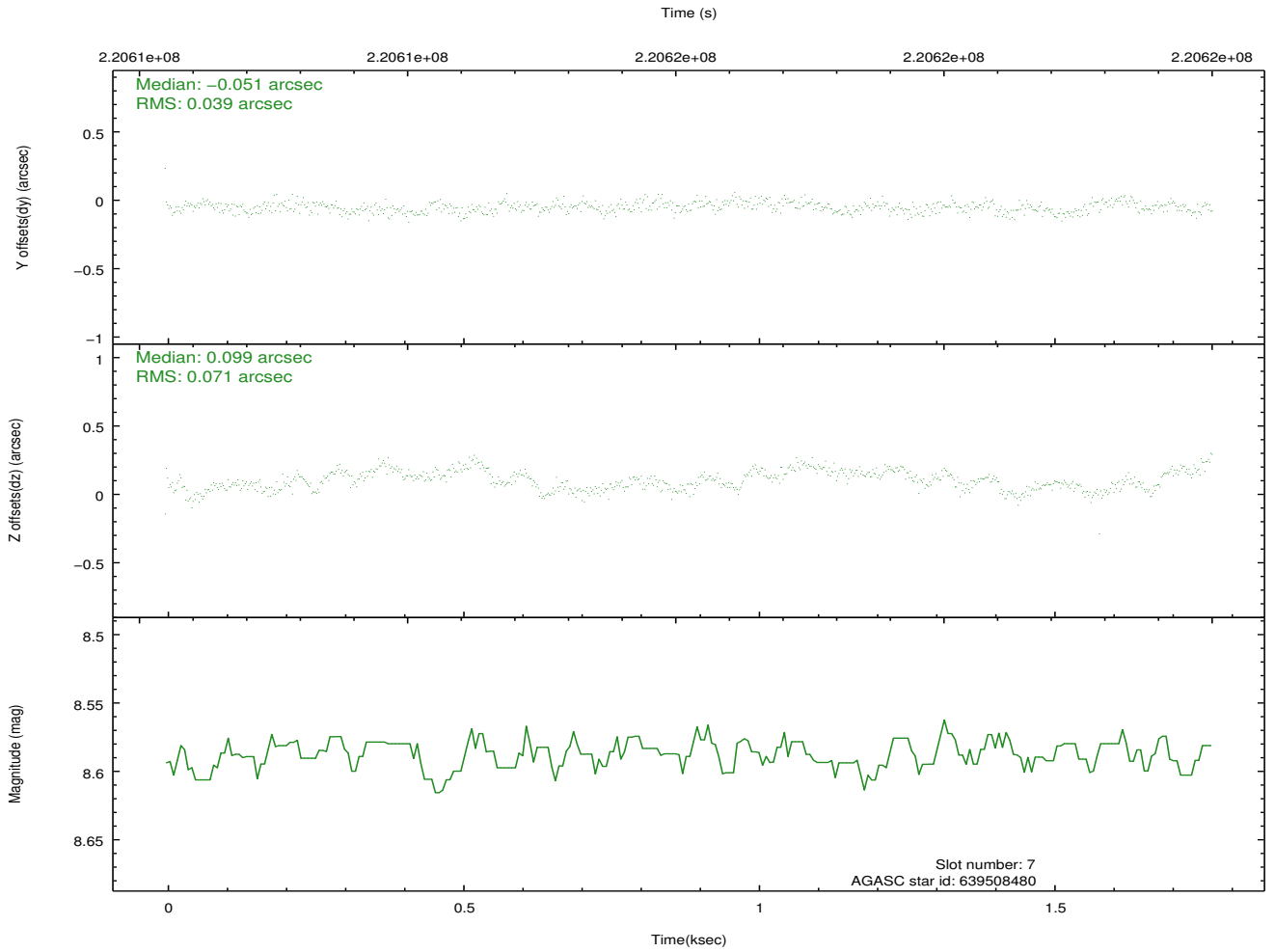
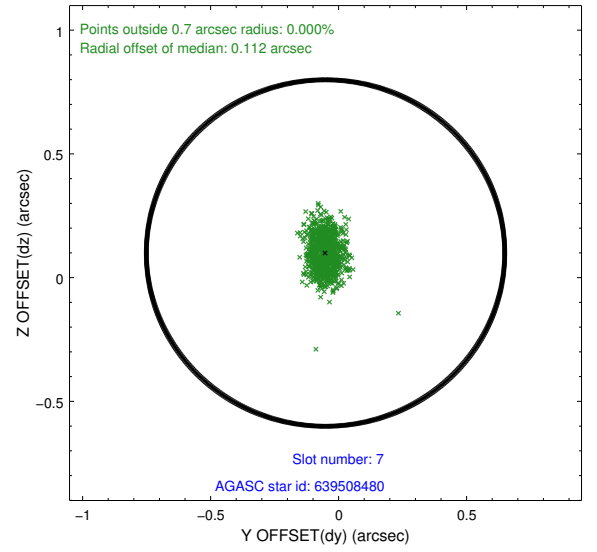
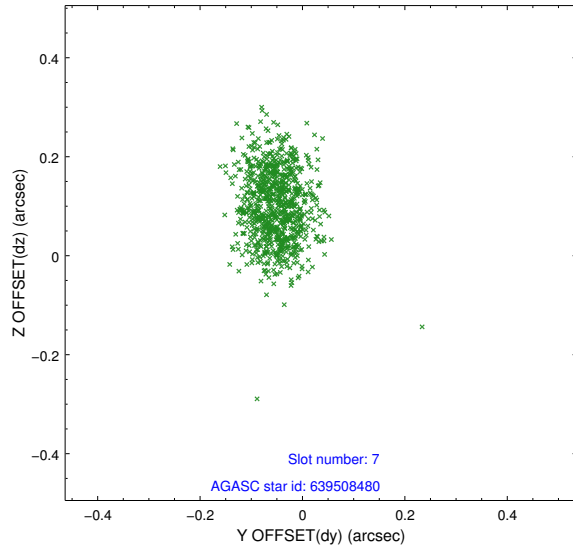
2.4.3 Slot 5



2.4.4 Slot 6

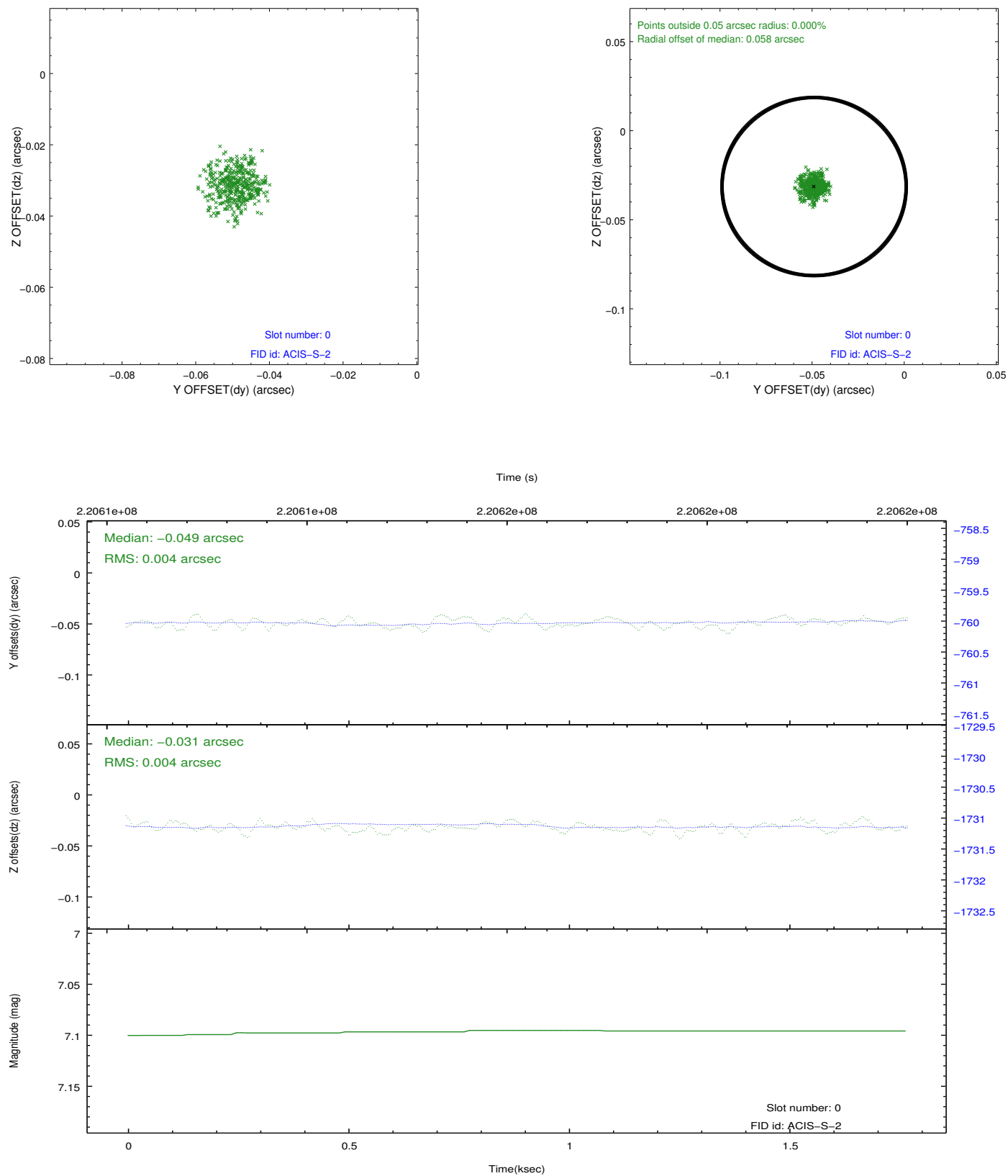


2.4.5 Slot 7

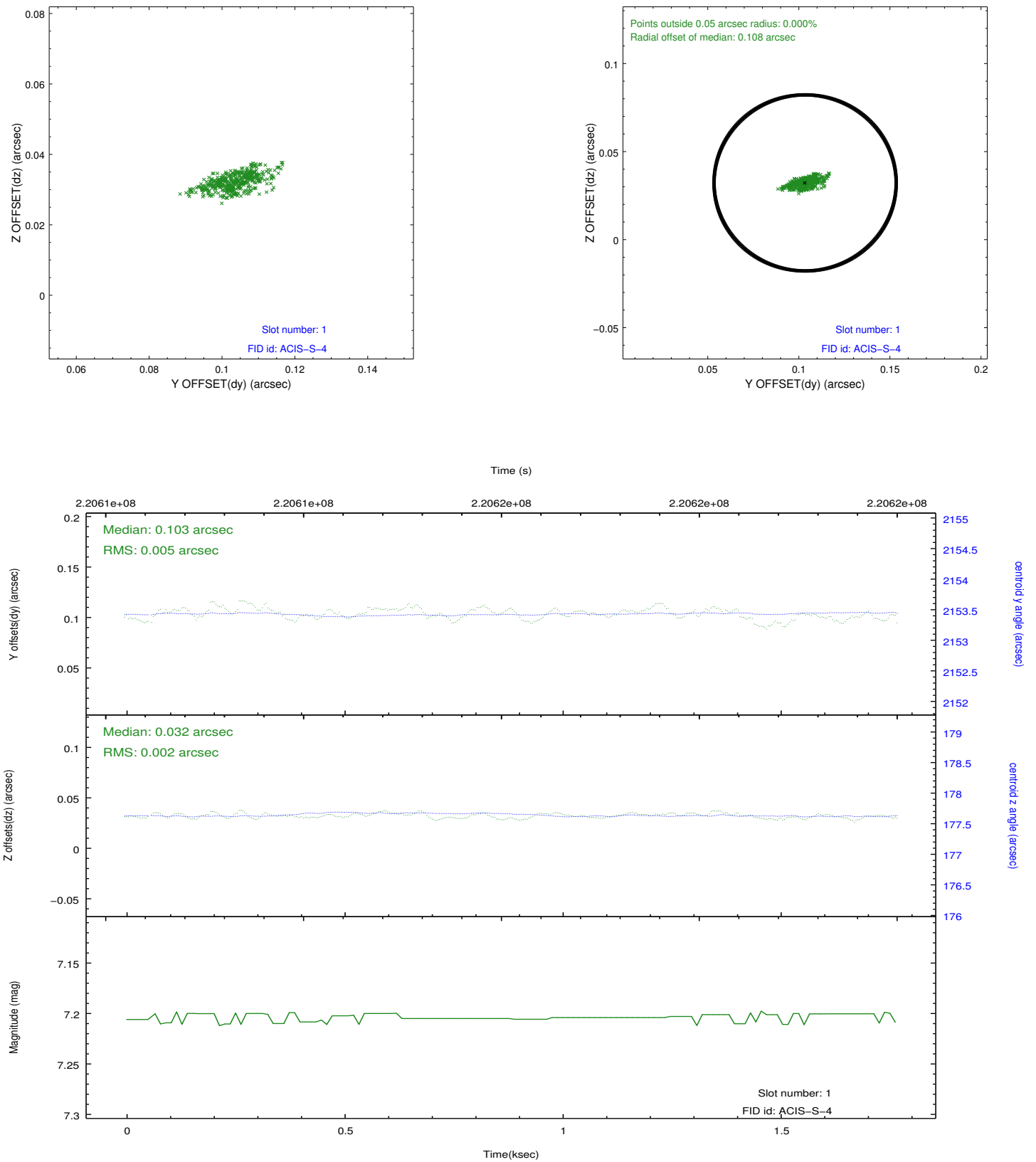


2.5 FID Slots

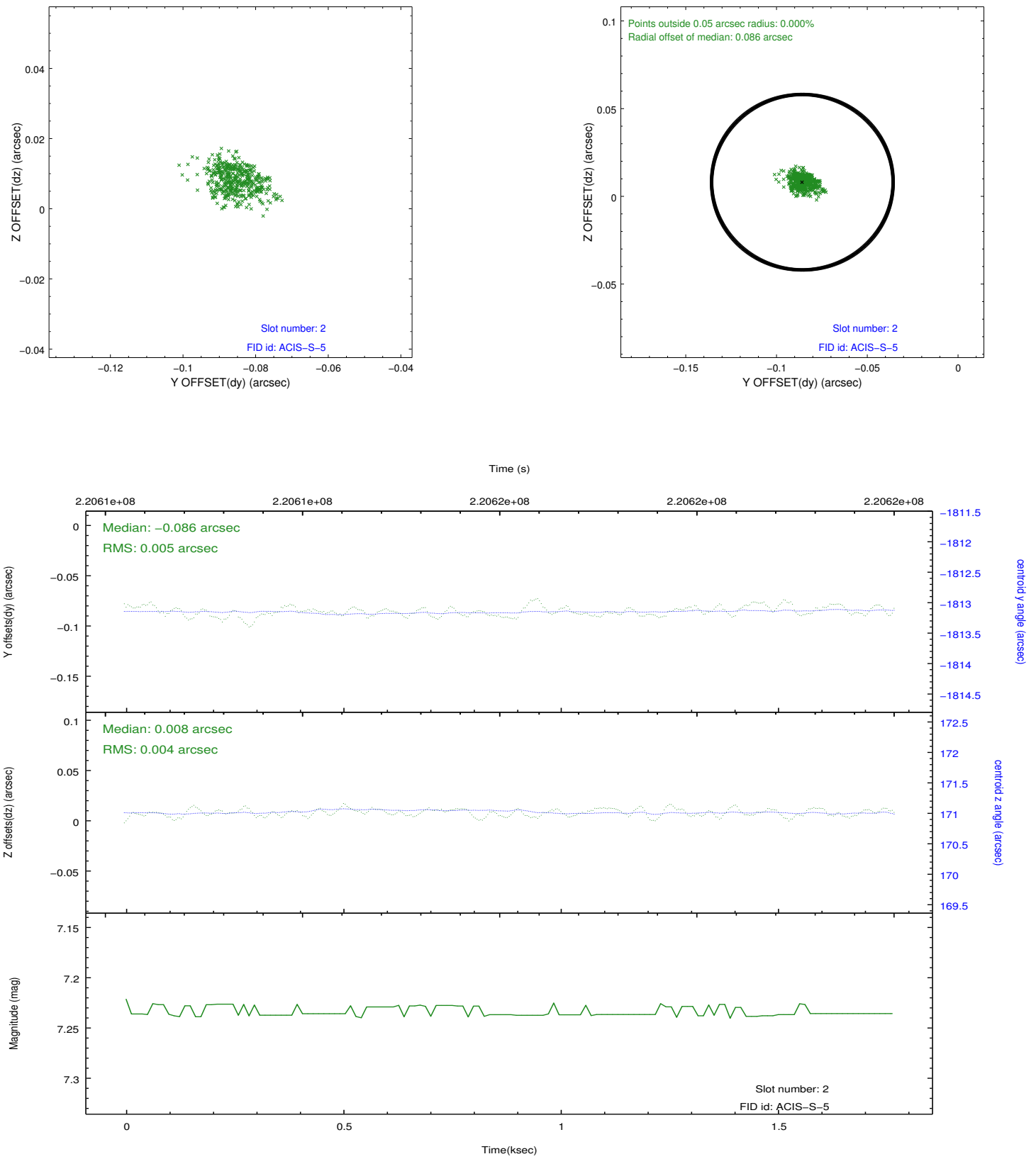
2.5.1 Slot 0



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)	2013.01.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.353599

A.2 Comments