

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4145 - L2 Version 3
Chandra X-Ray Center

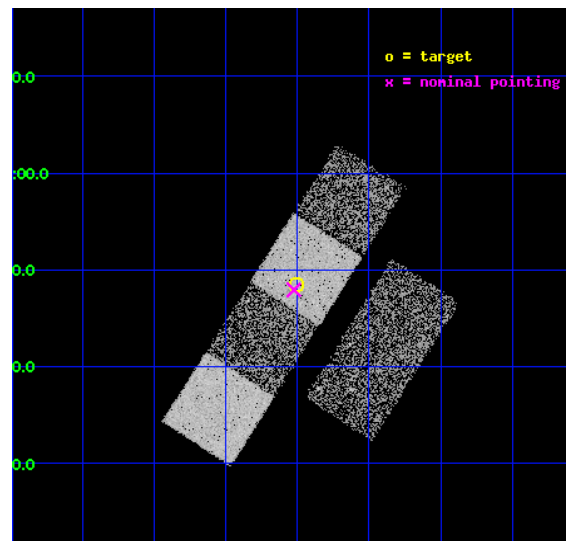
L2 Processing Date : Oct 19 2012

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1 Front

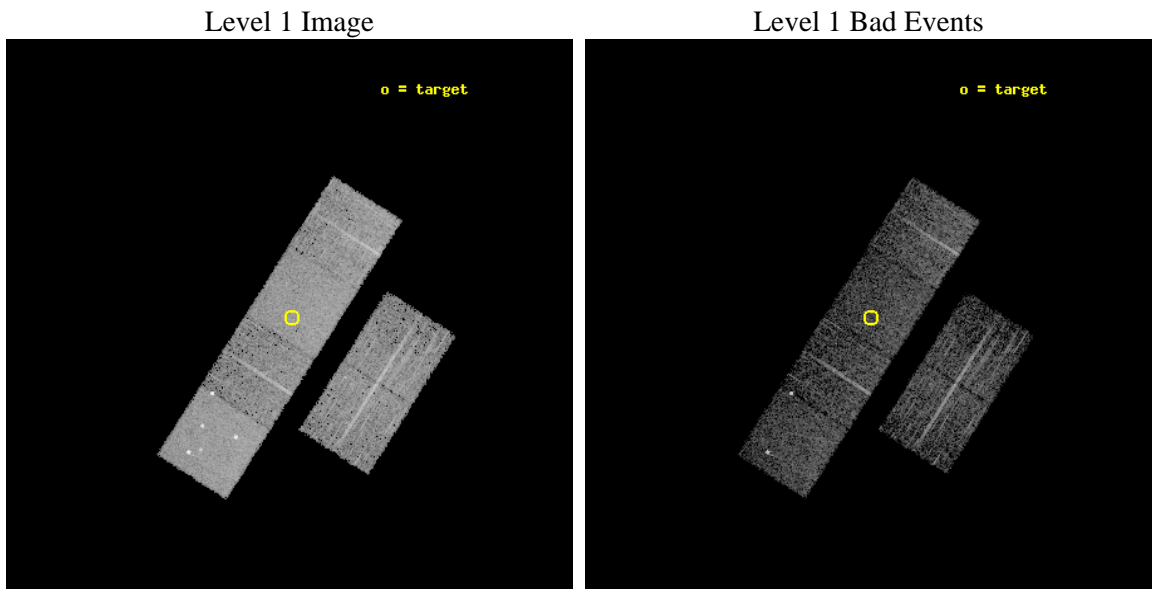
seq_num	700824	Sequence number
obs_id	4145	Observation id
title	X-RAYS FROM BROAD ABSORPTION LINE QUASARS WITH EXTREME PROPERTIES	
observer	Dr. Patrick Hall	Principal investigator
object	SDSS J0300+0048	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	45.0025	Observer's specified target RA [deg]
dec_targ	0.807778	Observer's specified target Dec [deg]
ra_nom	45.006202391105	Nominal RA [deg]
dec_nom	0.79882966302145	Nominal Dec [deg]
roll_nom	302.54376762387	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4718.5507229567	Sum of GTIs [s]
livetime	4658.8015925324	Livetime [s]
ontime2	4718.59176296	Sum of GTIs [s]
ontime3	4718.4276029468	Sum of GTIs [s]
ontime5	4718.5096829534	Sum of GTIs [s]
ontime6	4718.4686429501	Sum of GTIs [s]
ontime7	4718.5507229567	Sum of GTIs [s]
ontime8	4711.9044929743	Sum of GTIs [s]
l2events	46259	Number of level 2 events



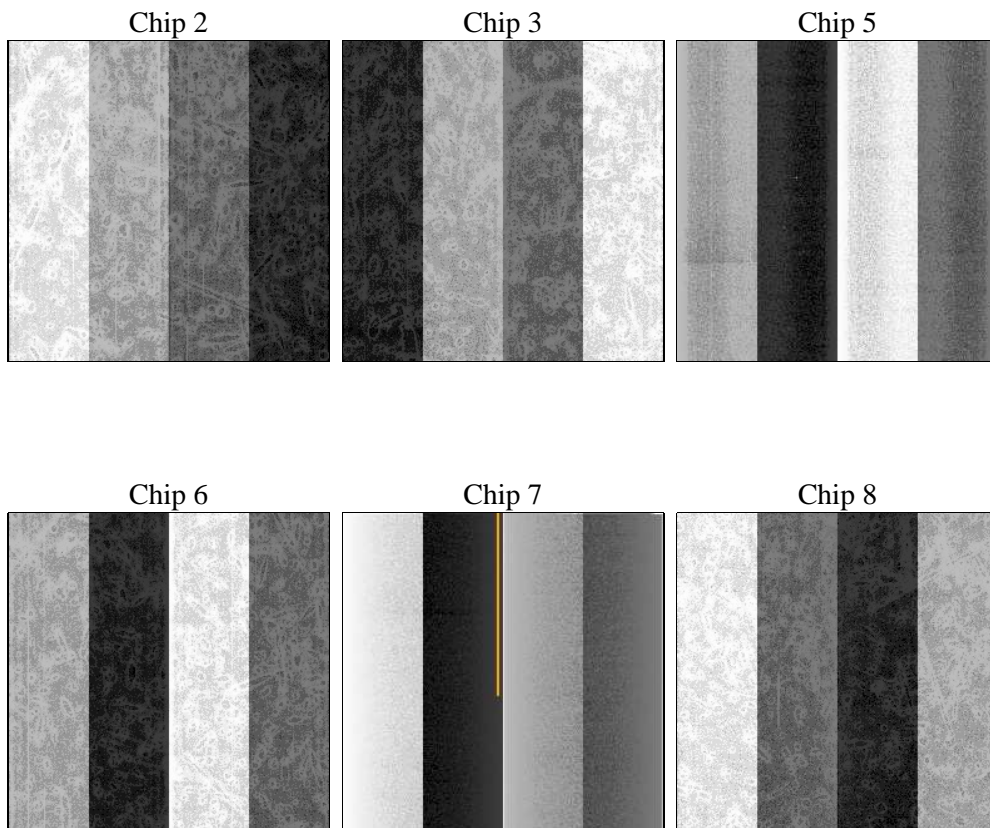
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4964.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4718.5507229567	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4718.59176296	Sum of GTIs [s]
date	2012-10-19T05:48:36	Date and time of file creation	ontime3	4718.4276029468	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4718.5096829534	Sum of GTIs [s]
			ontime6	4718.4686429501	Sum of GTIs [s]
			ontime7	4718.5507229567	Sum of GTIs [s]
			ontime8	4711.9044929743	Sum of GTIs [s]
			l1events	207758	Number of level 1 events

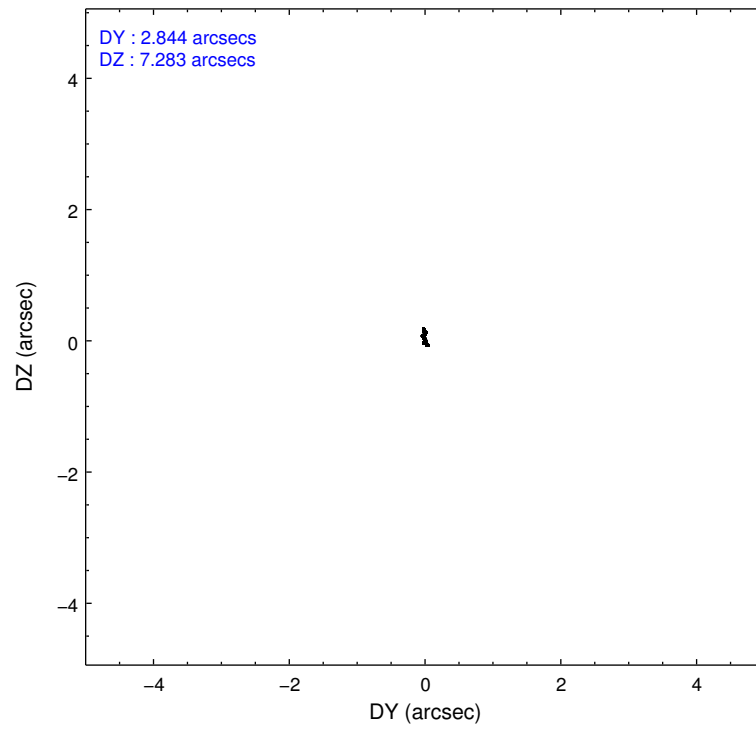
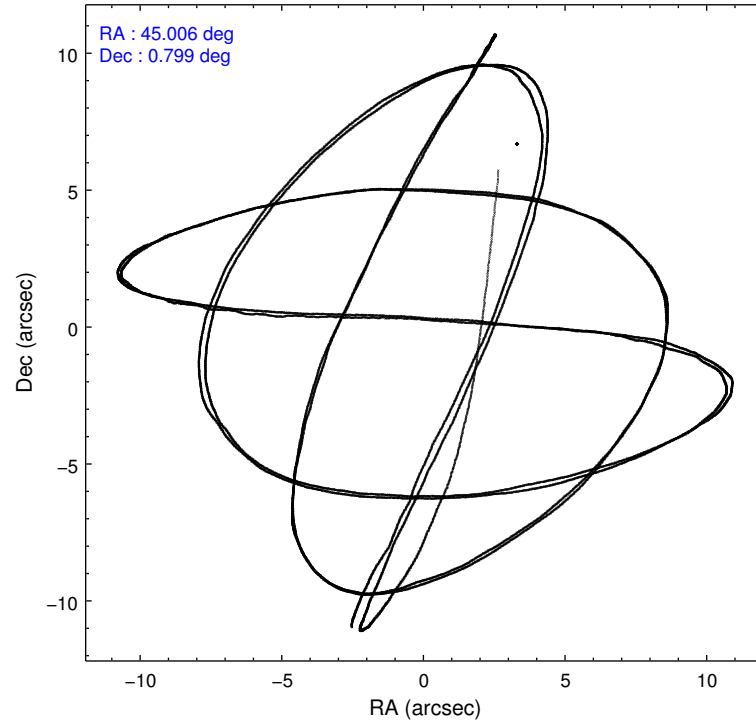
2.1.4 Events

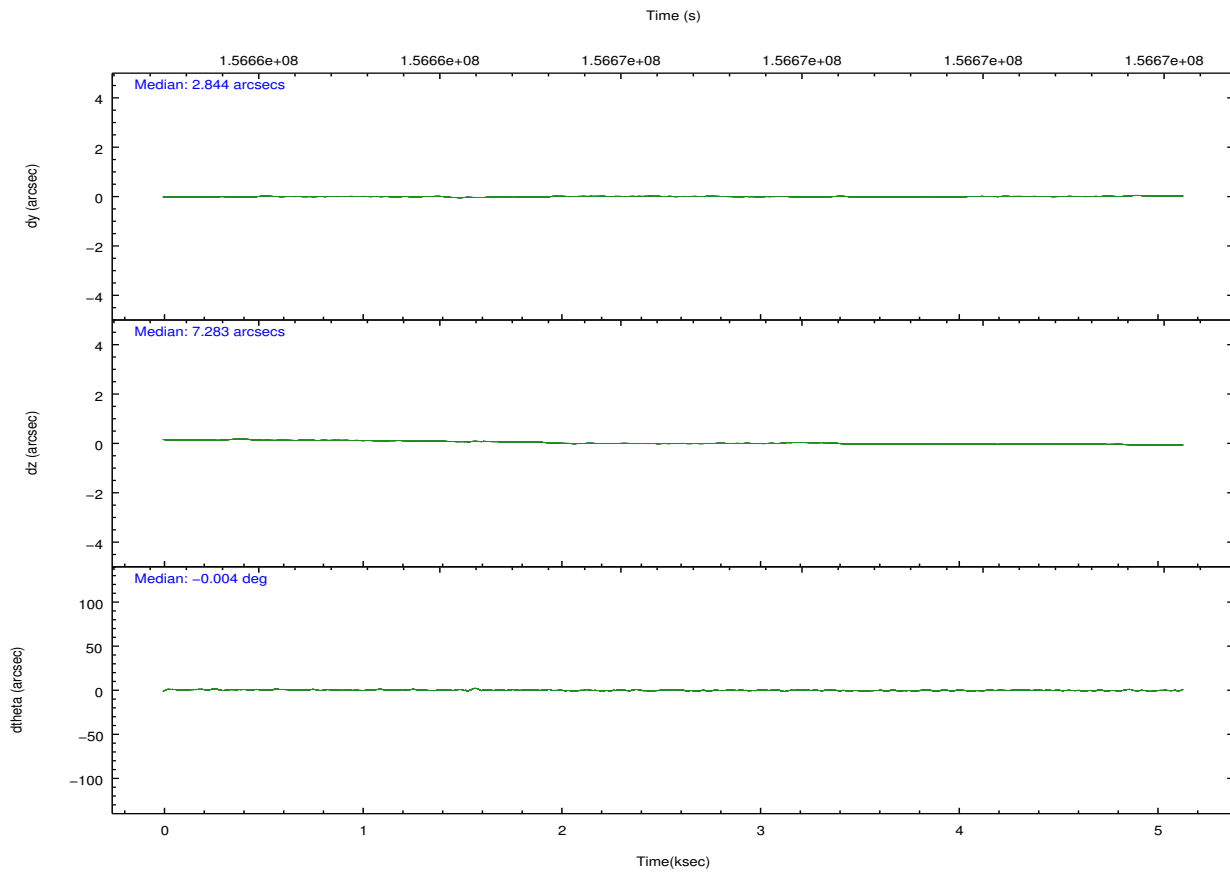
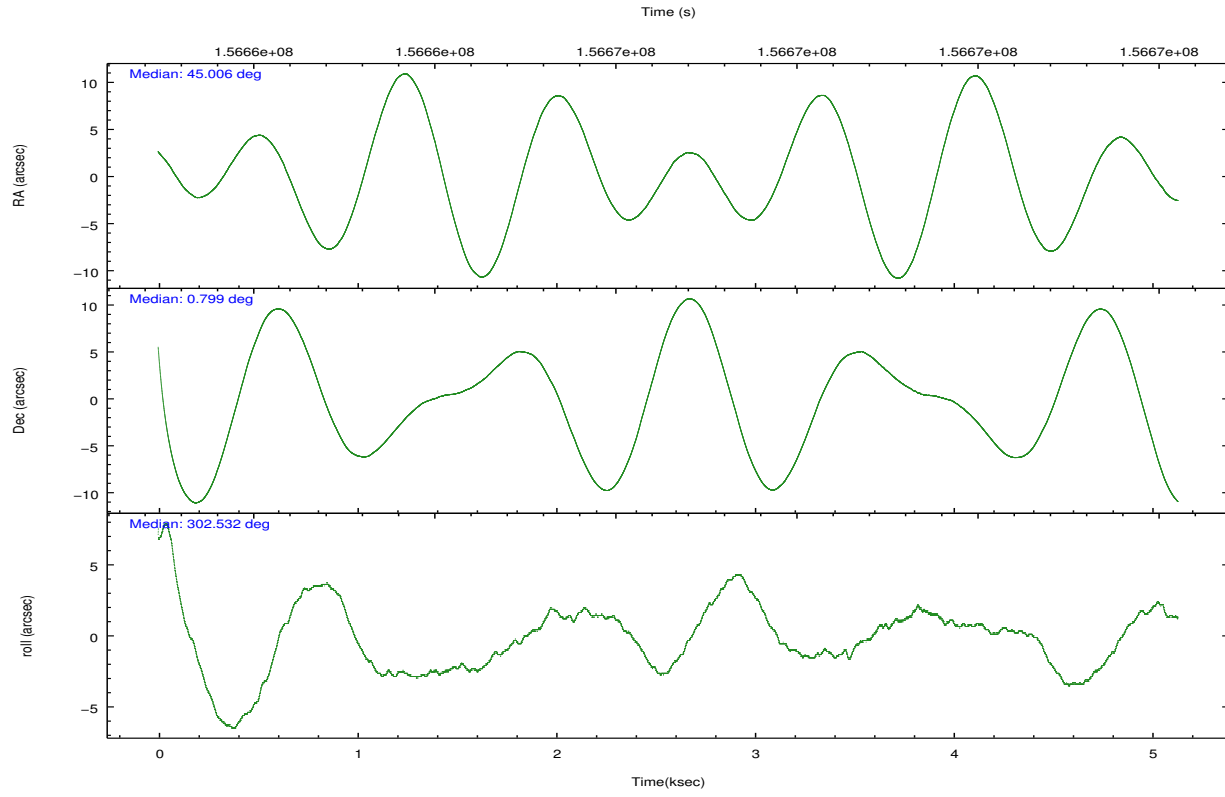
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29533	28014	45778	27316	38900	38217	grade 0 events	1636	1430	4038	1492	1741	2386
rejected events	26038	24738	23825	23665	22639	30766		5%	5%	8%	5%	4%	6%
rejected %	88%	88%	52%	86%	58%	80%	grade 1 events	19	18	574	14	34	31
								0%	0%	1%	0%	0%	0%
							grade 2 events	700	625	6256	726	3199	1556
								2%	2%	13%	2%	8%	4%
							grade 3 events	313	336	832	370	1463	886
								1%	1%	1%	1%	3%	2%
							grade 4 events	315	350	791	354	1435	820
								1%	1%	1%	1%	3%	2%
							grade 5 events	1072	1218	3648	1246	3625	1624
								3%	4%	7%	4%	9%	4%
							grade 6 events	532	541	10051	711	8430	1804
								1%	1%	21%	2%	21%	4%
							grade 7 events	24946	23496	19588	22403	18973	29110
								84%	83%	42%	82%	48%	76%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	44.981861	45.00620239110508	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.811069	0.7988296630214538	Alternating exposures requested	N	N
[deg] Pointing Roll	302.387475	302.5437676238745	[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)	156663890.184000	156662853.32118			
Observation start date	2002-12-19T05:43:46	2002-12-19T05:27:33			
[s] Observation end time (MET)	156668854.184000	156669596.79646			
Observation end date	2002-12-19T07:06:30	2002-12-19T07:19:56			
Read mode	TIMED	TIMED			

2.3 Aspect



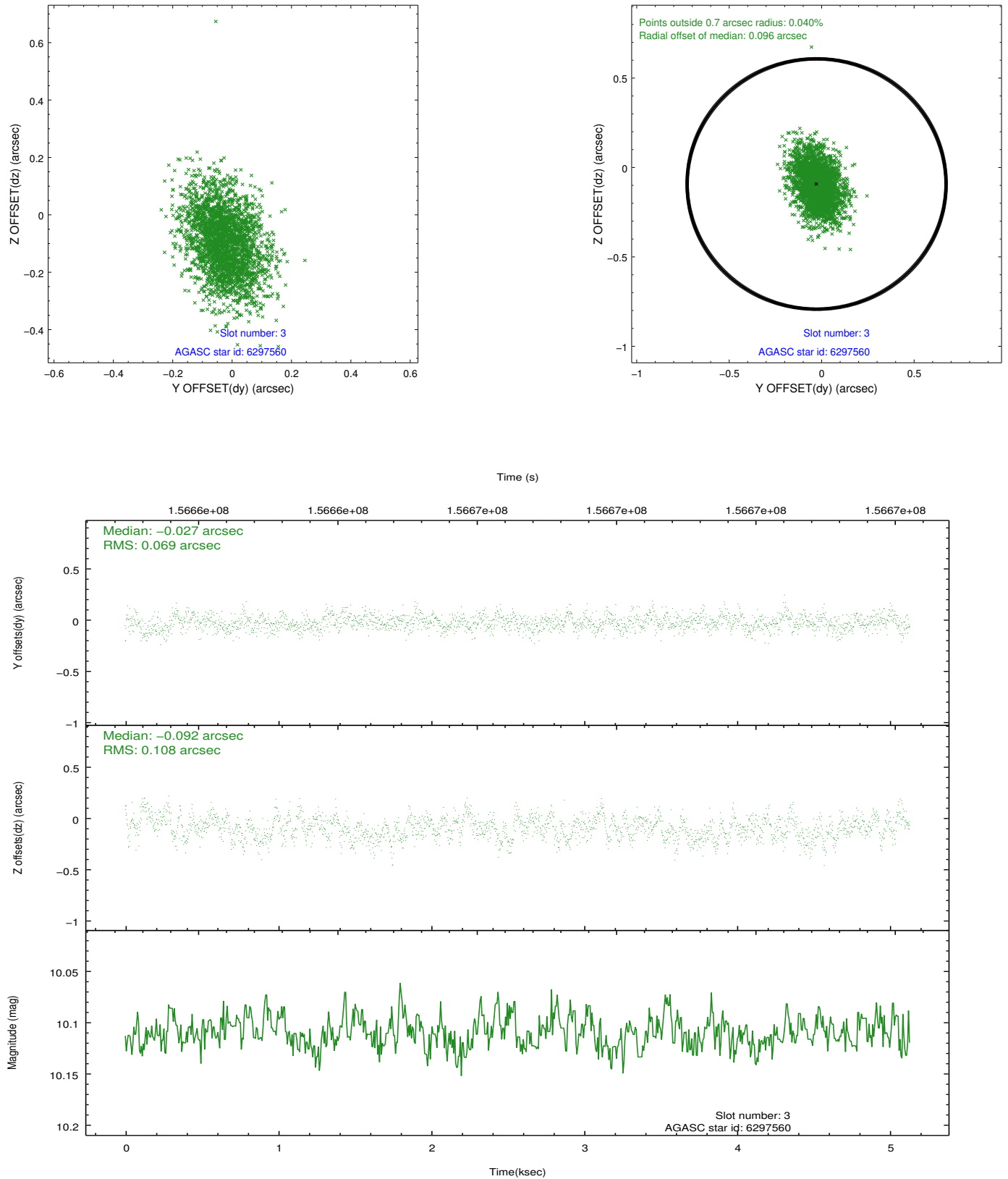


Slot Statistics

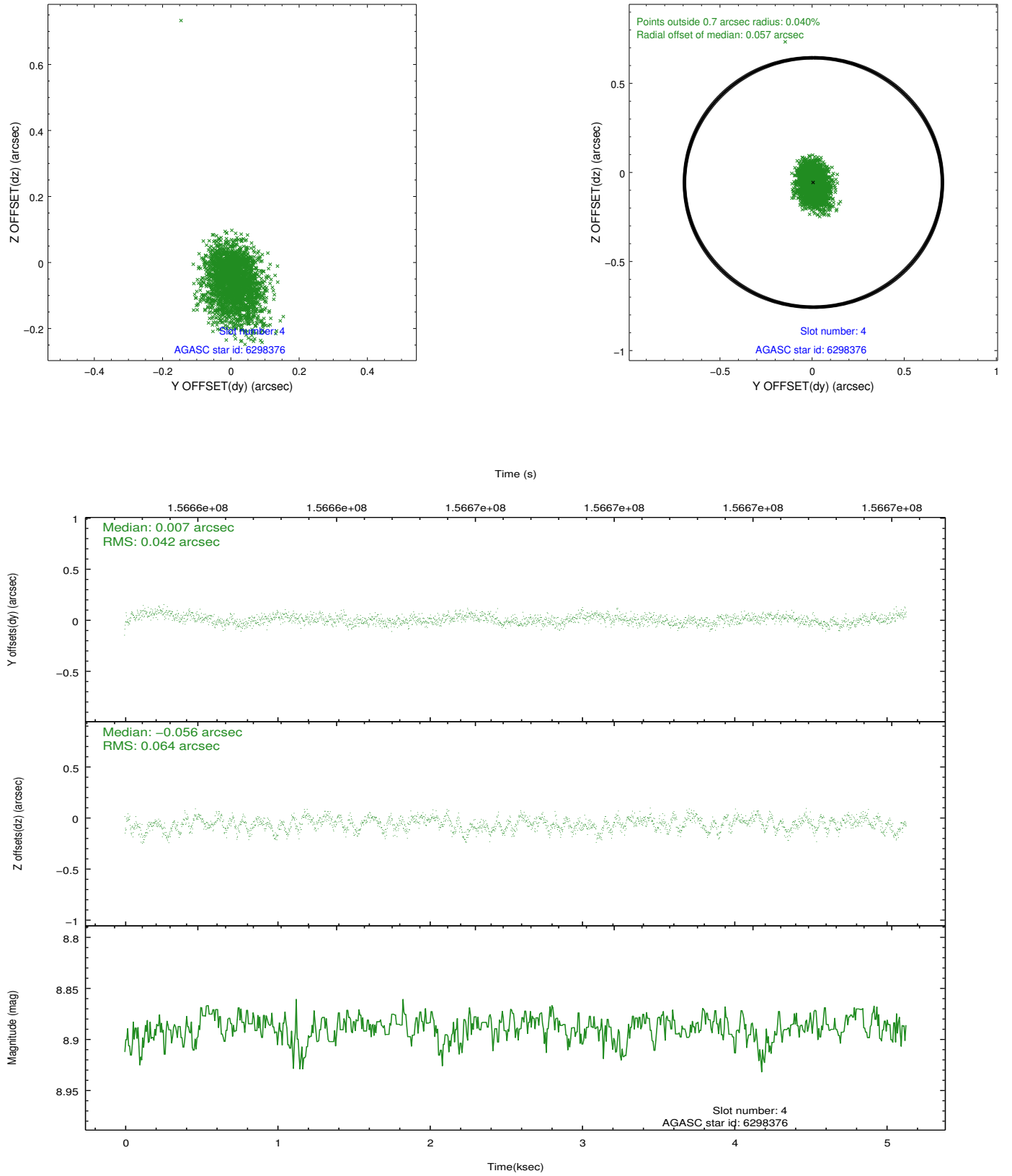
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1252	-0.019	-0.003	0.007	0.013	0.000000	0.000000	-755.50	-1728.49
1	FID	ACIS-S-4	7.20	1252	-0.002	0.010	0.006	0.011	0.000000	0.000000	2157.26	178.78
2	FID	ACIS-S-5	7.24	1253	-0.009	0.002	0.006	0.011	0.000000	0.000000	-1806.81	173.80
3	GUIDE	6297560	10.11	2502	-0.027	-0.092	0.134	0.224	44.414470	0.567597	-353.00	-2194.23
4	GUIDE	6298376	8.89	2505	0.007	-0.056	0.079	0.130	44.619497	0.437243	438.47	-1823.53
5	GUIDE	7212976	7.73	2505	-0.009	0.130	0.058	0.098	45.356360	1.156178	-326.83	1802.82
6	GUIDE	6300784	9.05	2503	-0.038	-0.073	0.070	0.112	44.819835	1.244580	-1629.89	343.57
7	GUIDE	7217104	9.08	2501	0.067	0.101	0.085	0.140	45.195934	0.993408	-141.72	1002.23

2.4 Star Slots

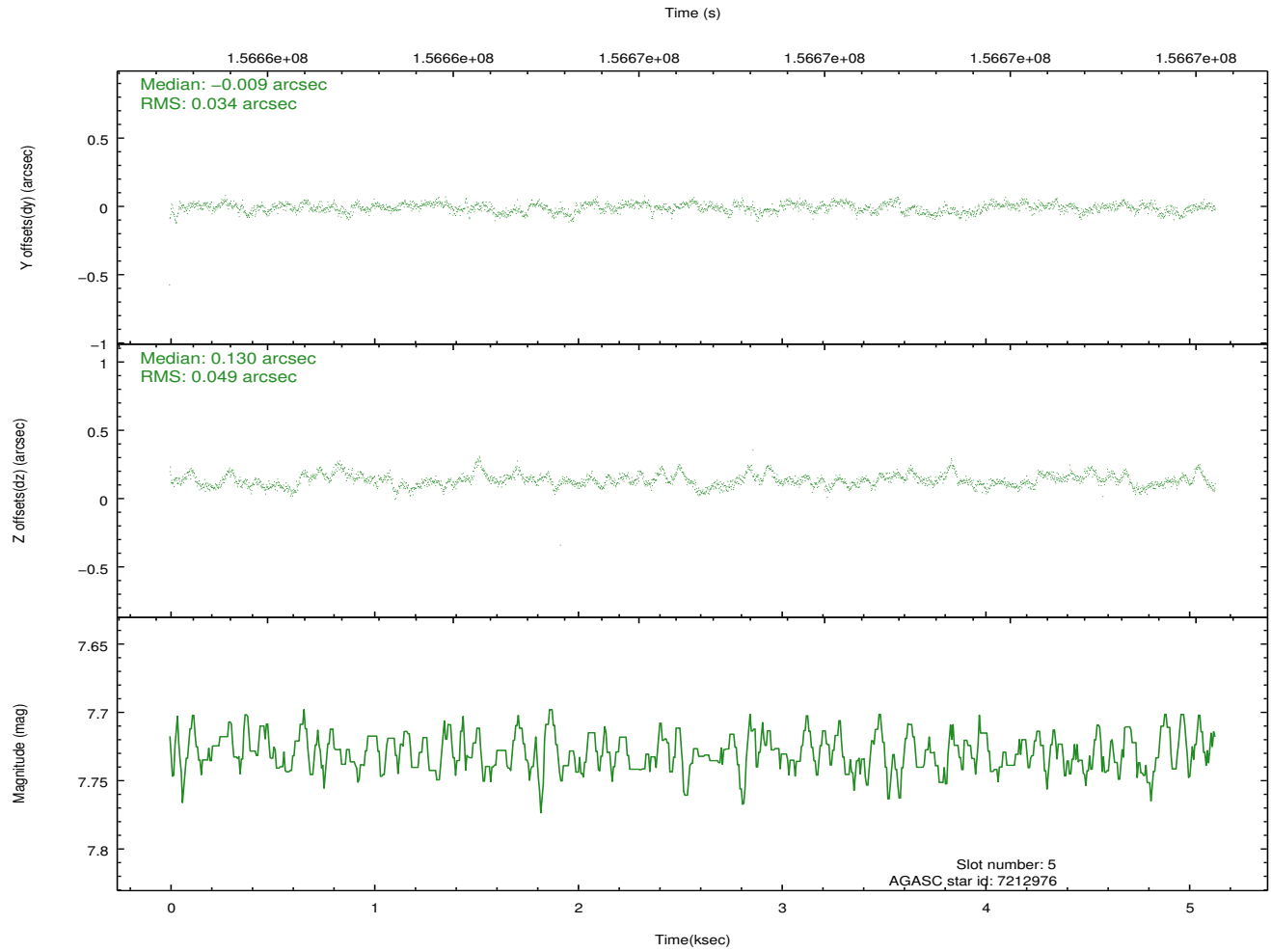
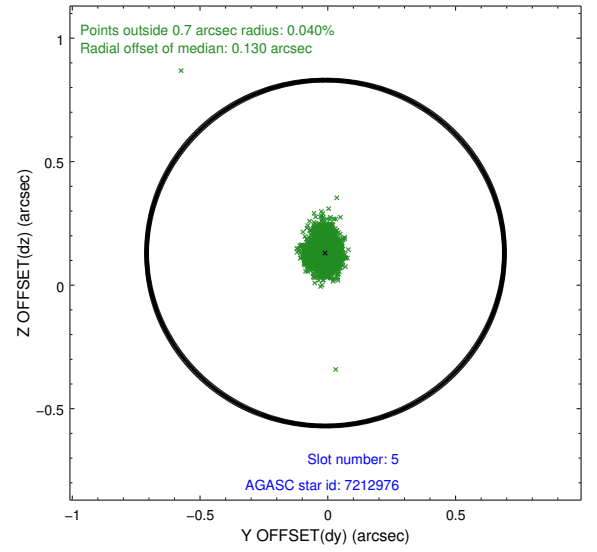
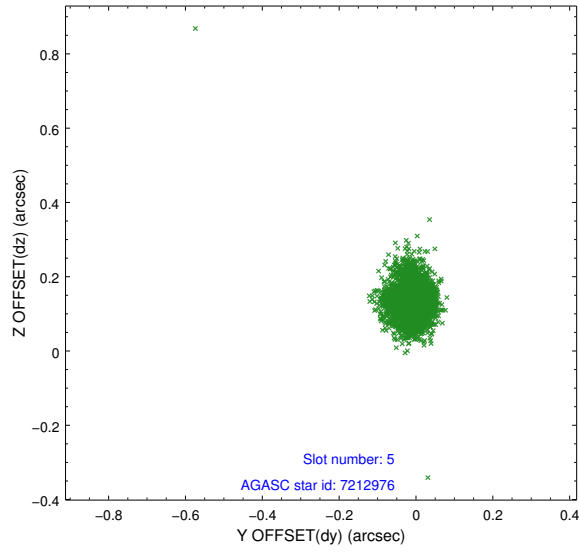
2.4.1 Slot 3



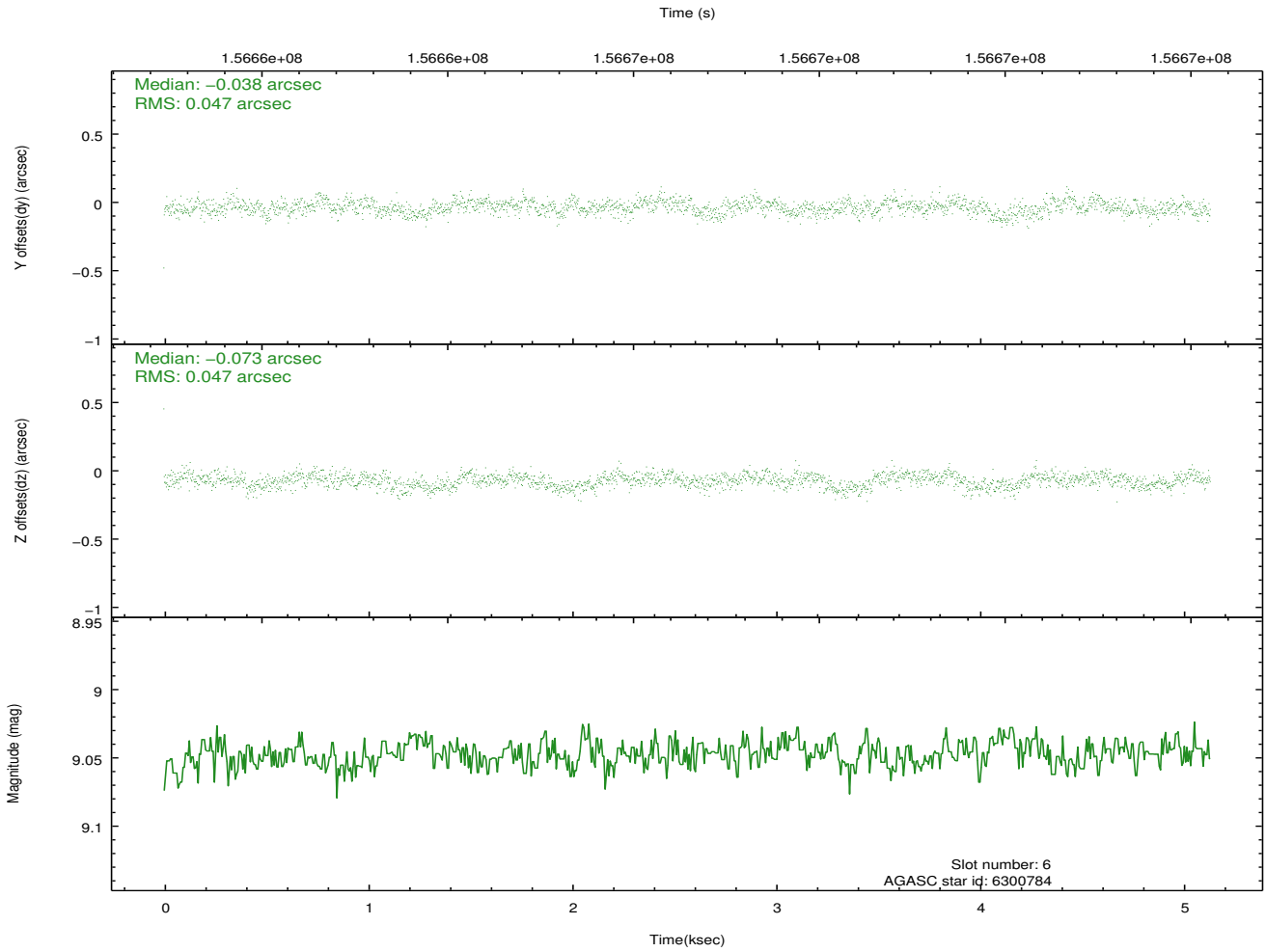
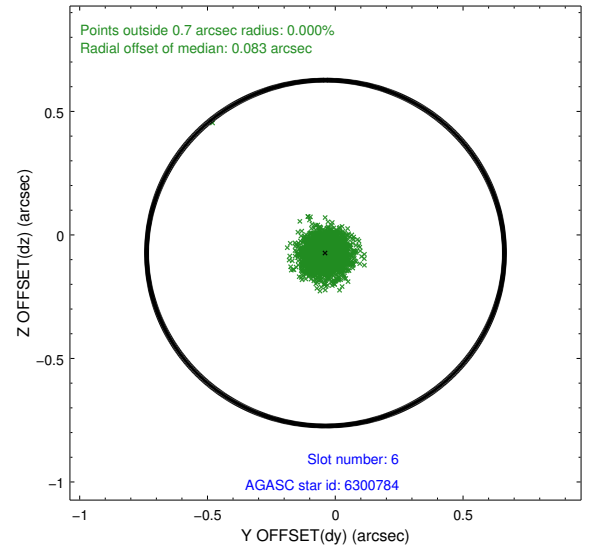
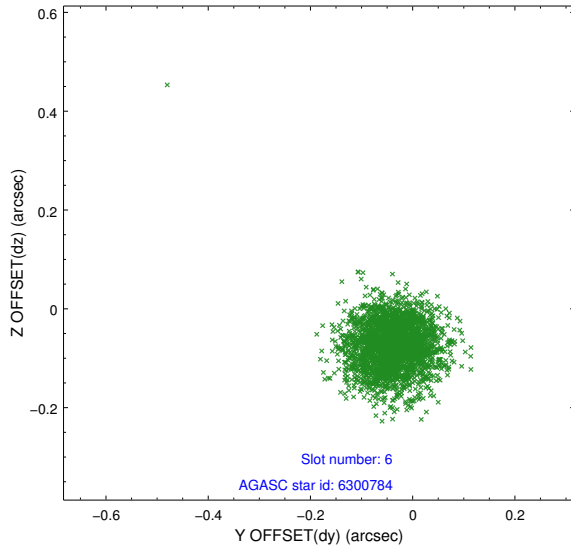
2.4.2 Slot 4



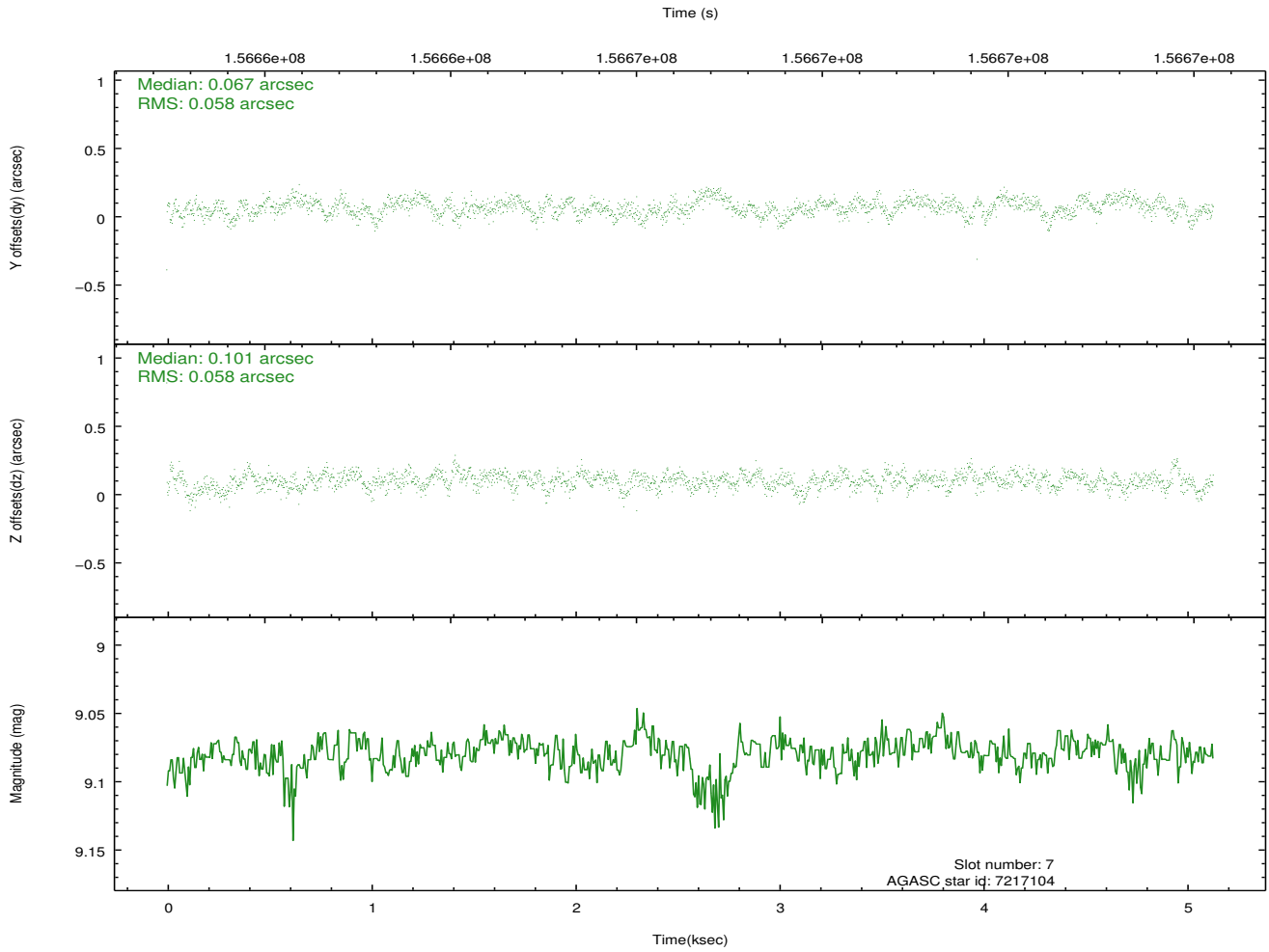
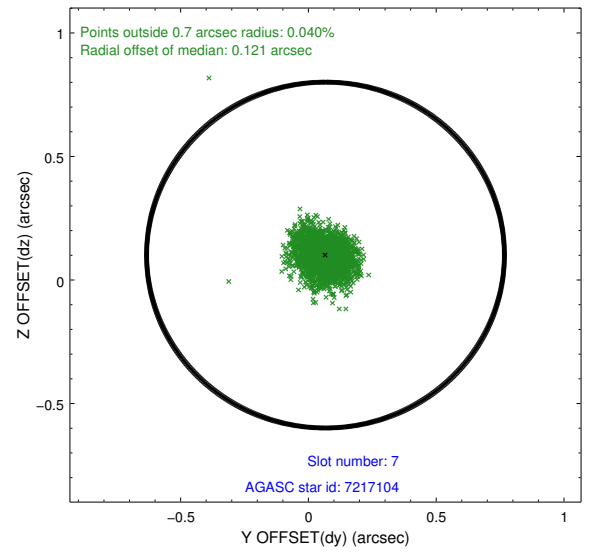
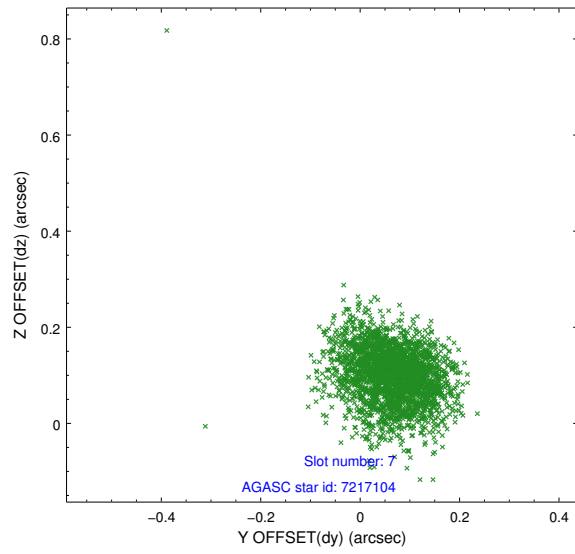
2.4.3 Slot 5



2.4.4 Slot 6

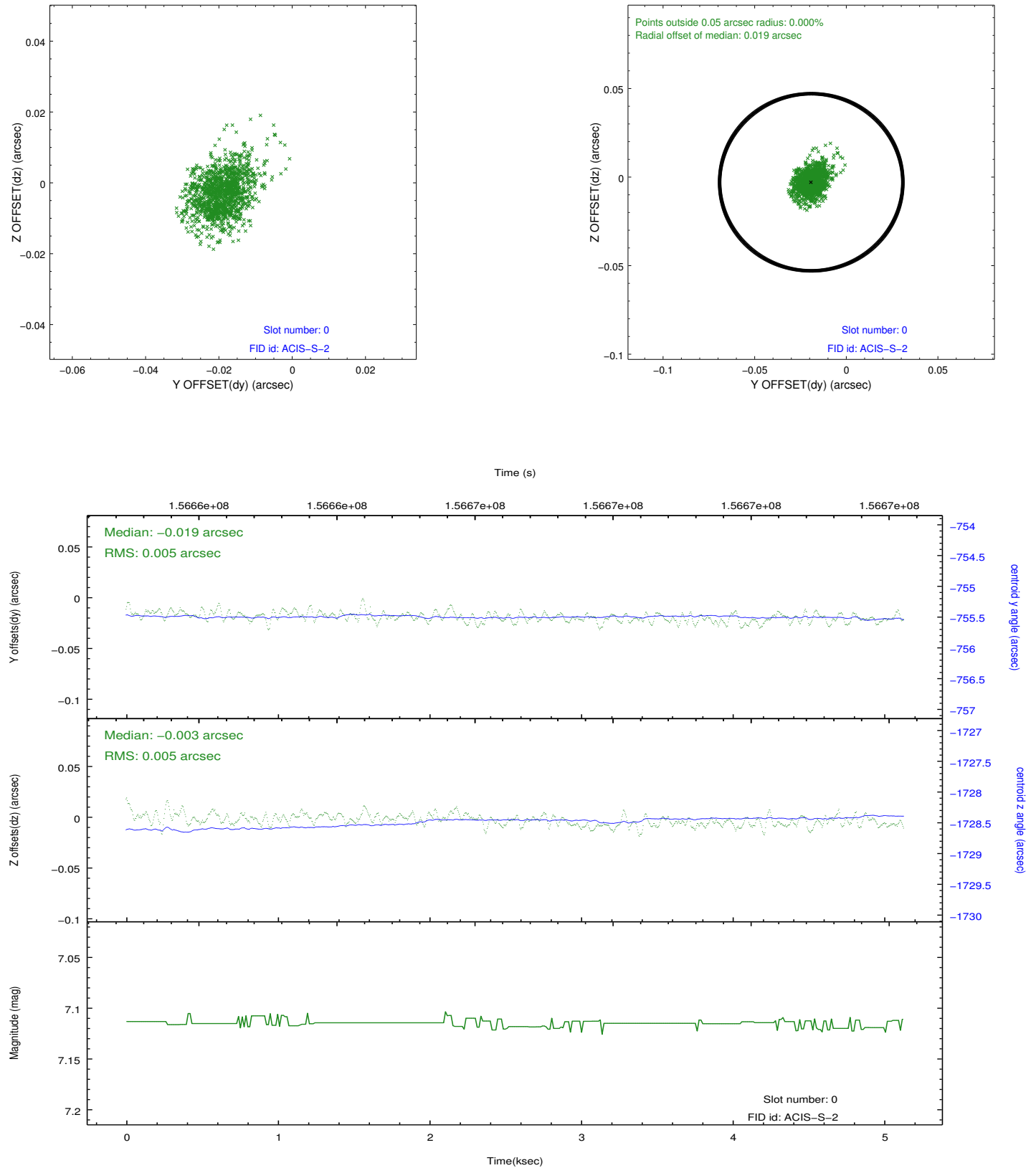


2.4.5 Slot 7

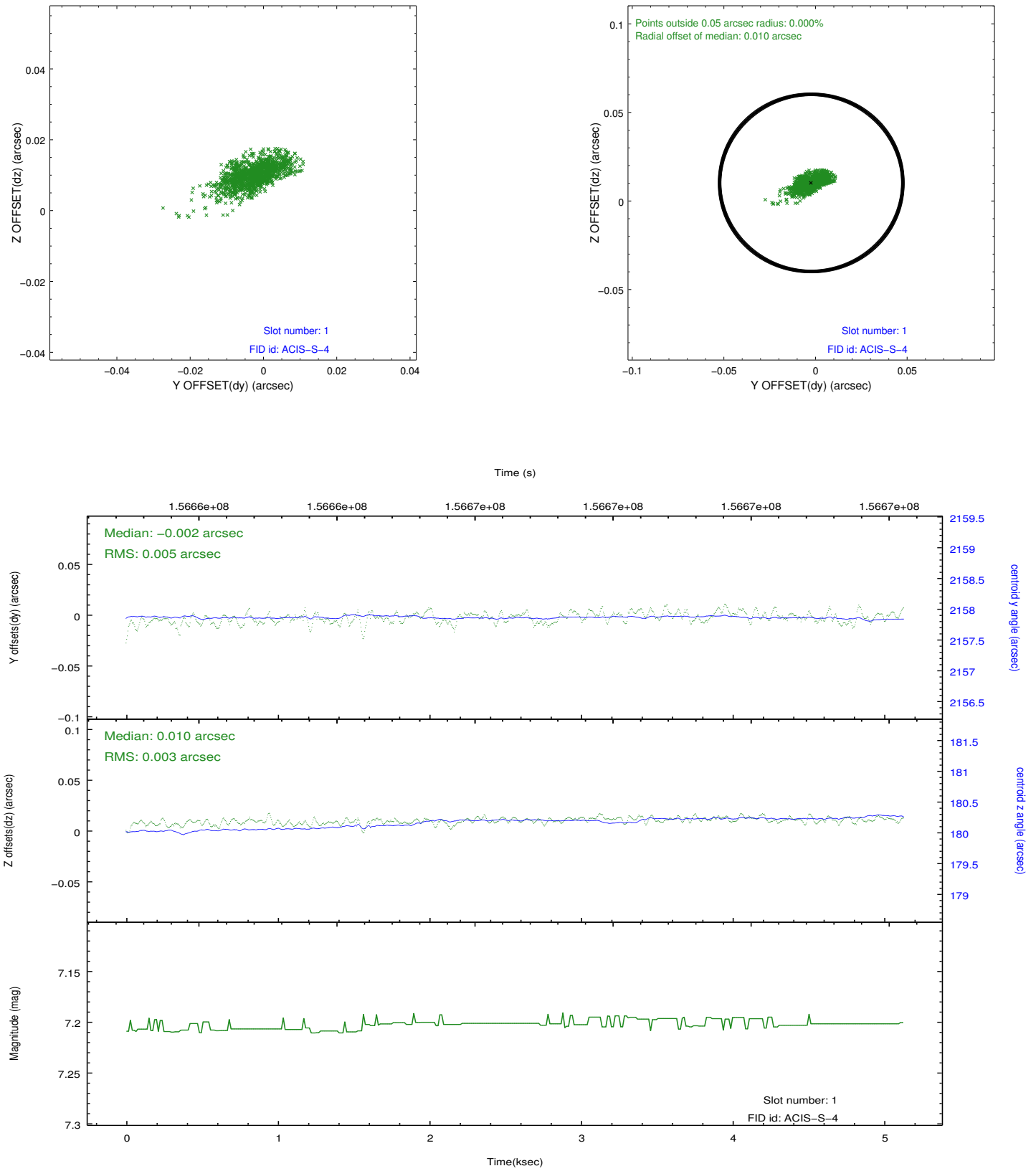


2.5 FID Slots

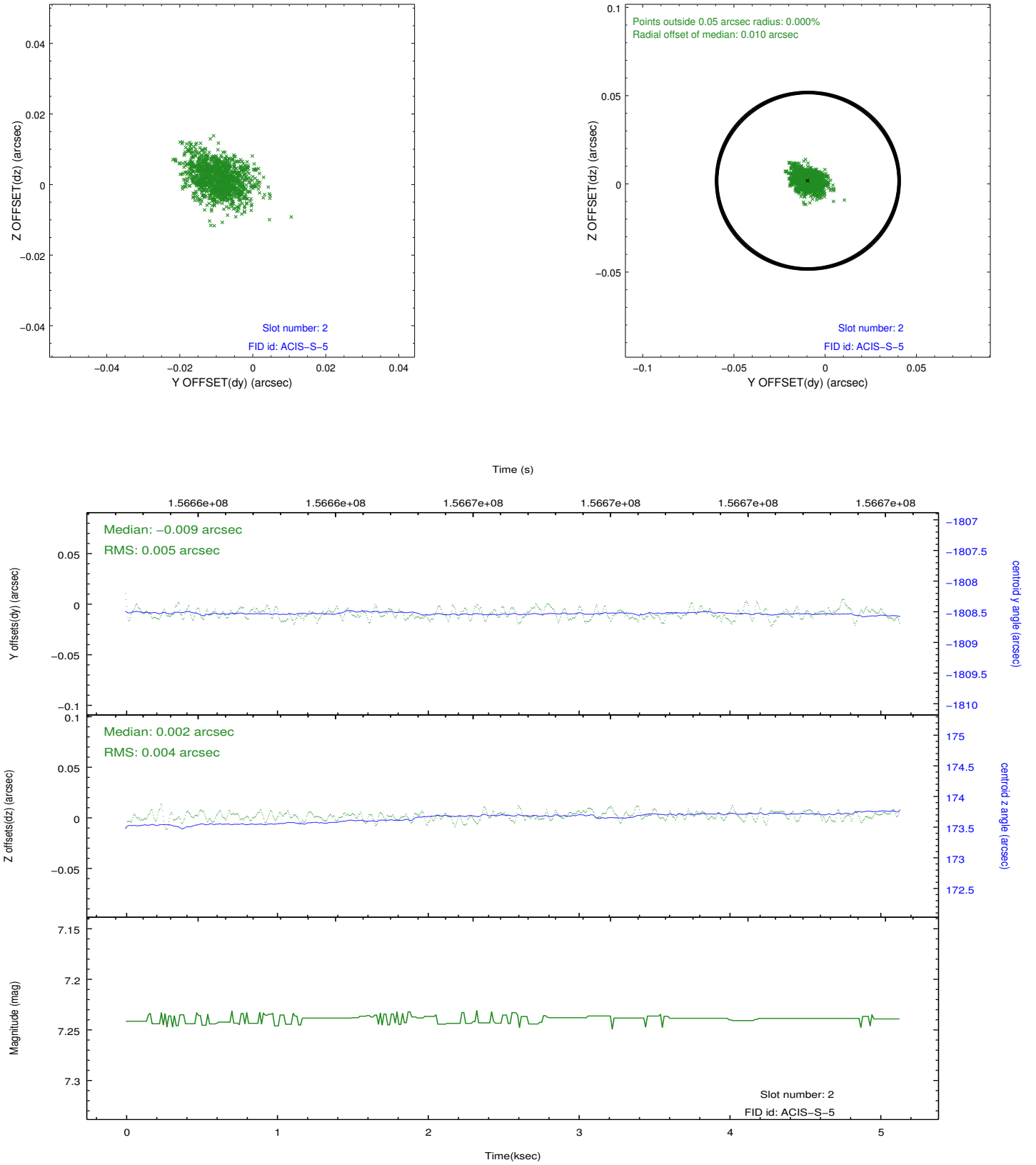
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.719

A.2 Comments