

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10146 - L2 Version 2
Chandra X-Ray Center

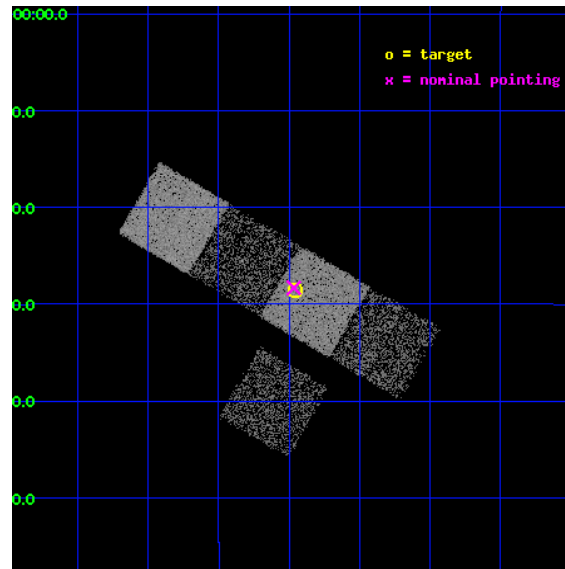
L2 Processing Date : May 28 2012

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1 Front

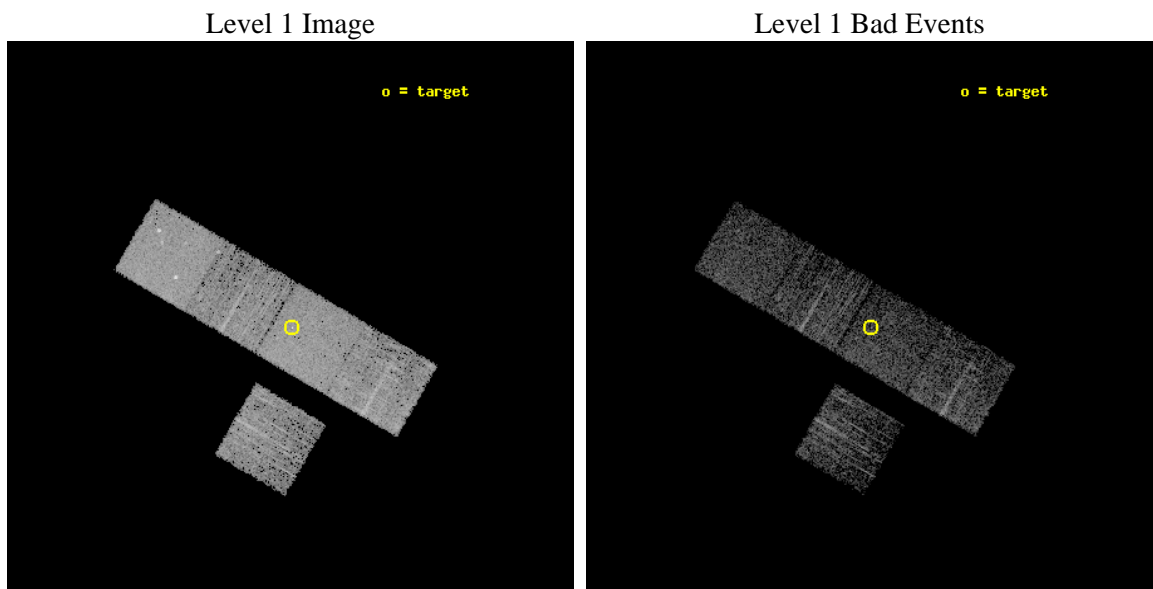
seq_num	501073	Sequence number
obs_id	10146	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ084127.7-102843	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.364167	Observer's specified target RA [deg]
dec_targ	-10.476417	Observer's specified target Dec [deg]
ra_nom	130.36646613751	Nominal RA [deg]
dec_nom	-10.472026708326	Nominal Dec [deg]
roll_nom	30.234953633698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2135.900016427	Sum of GTIs [s]
livetime	2107.9929102857	Livetime [s]
ontime3	2135.900016427	Sum of GTIs [s]
ontime5	2135.900016427	Sum of GTIs [s]
ontime6	2135.900016427	Sum of GTIs [s]
ontime7	2135.900016427	Sum of GTIs [s]
ontime8	2135.900016427	Sum of GTIs [s]
l2events	34538	Number of level 2 events



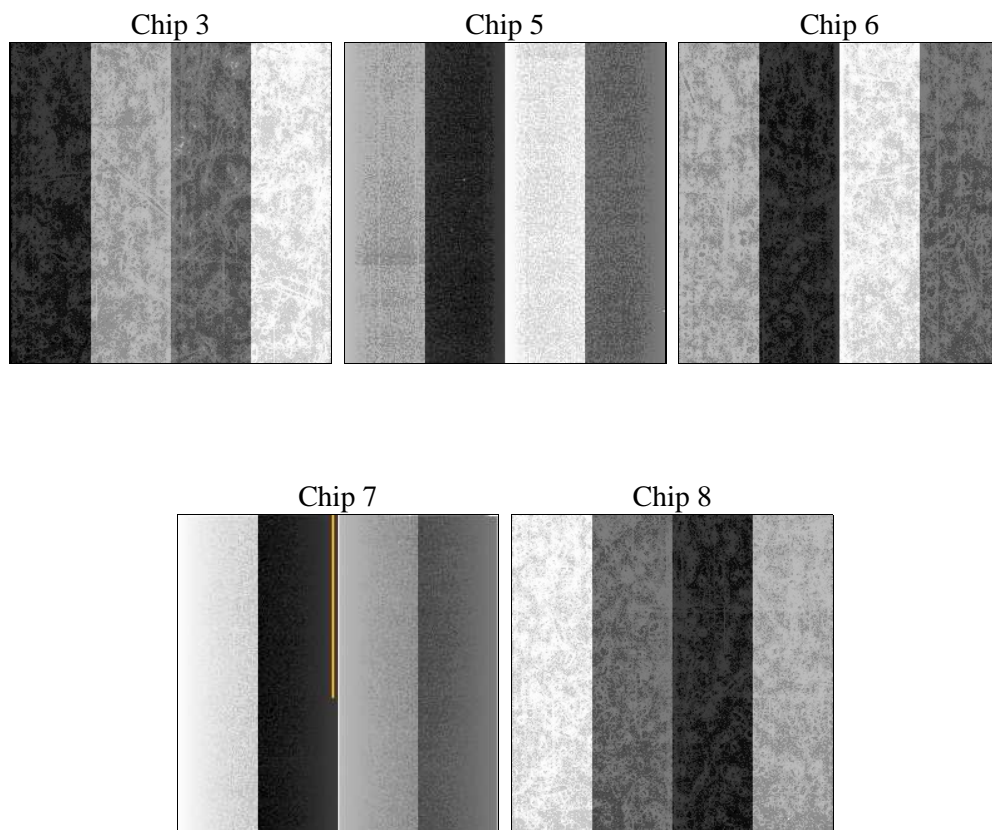
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2135.900016427	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2135.900016427	Sum of GTIs [s]
date	2012-05-28T12:38:32	Date and time of file creation	ontime5	2135.900016427	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2135.900016427	Sum of GTIs [s]
			ontime7	2135.900016427	Sum of GTIs [s]
			ontime8	2135.900016427	Sum of GTIs [s]
			l1events	143722	Number of level 1 events

2.1.4 Events

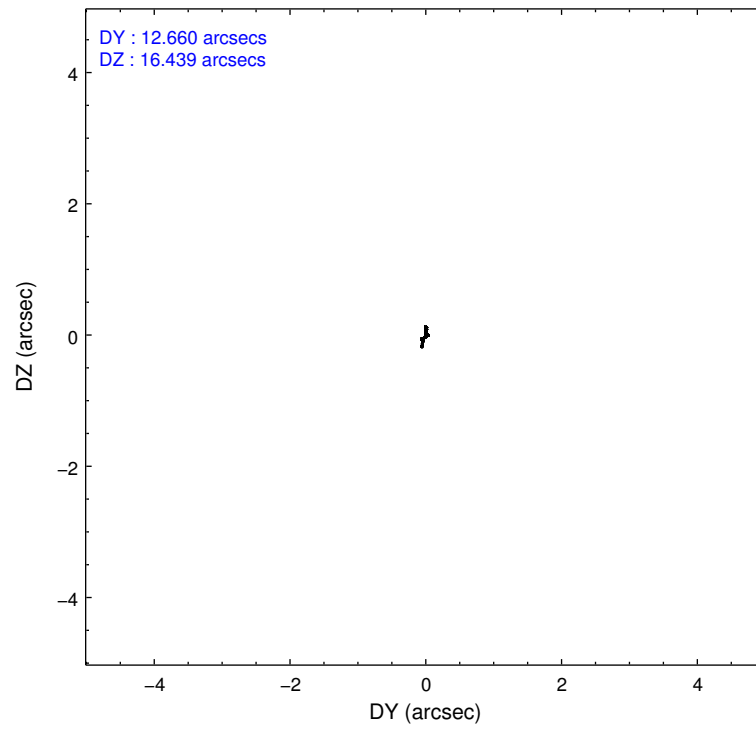
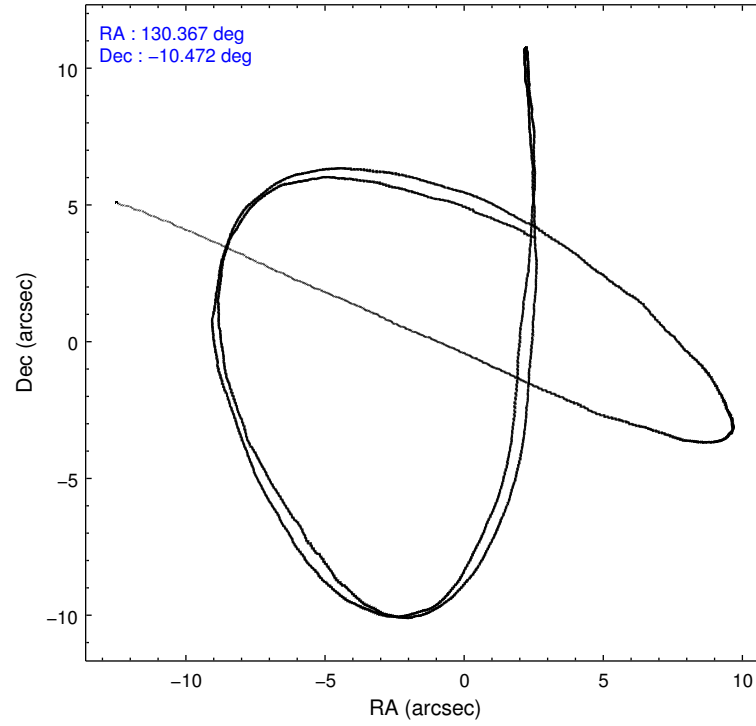
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22289	36493	23580	32377	28983
rejected events	19719	20399	20915	19583	22631
rejected %	88%	55%	88%	60%	78%

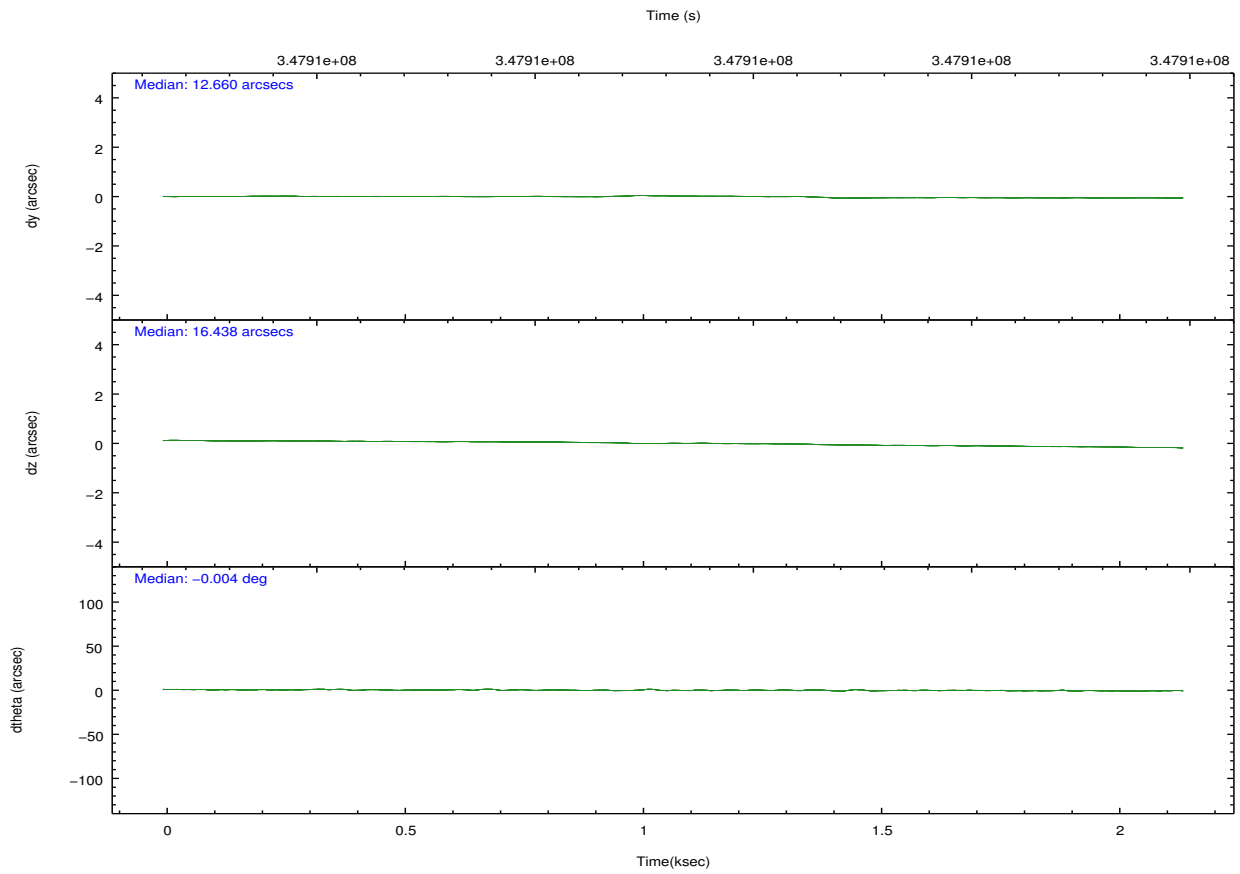
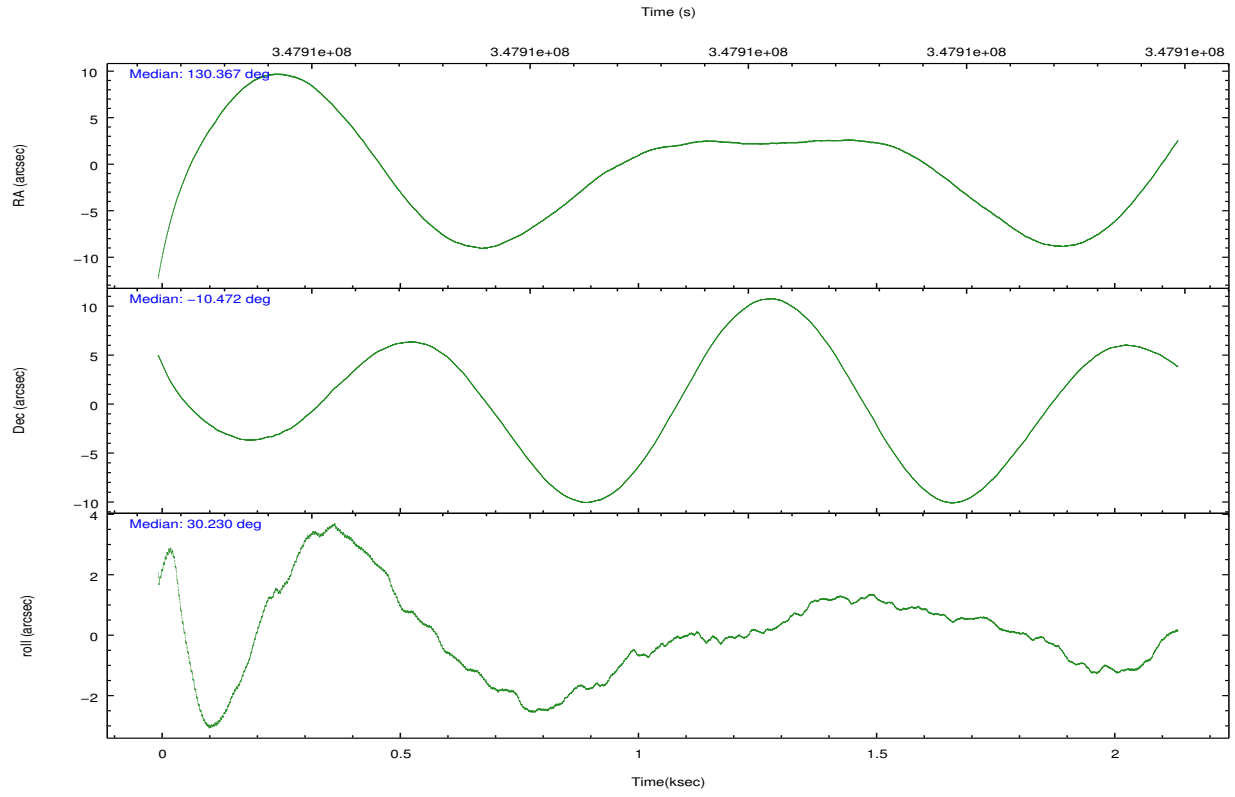
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1180	1995	1110	1178	2254
	5%	5%	4%	3%	7%
grade 1 events	16	104	17	36	19
	0%	0%	0%	0%	0%
grade 2 events	569	5174	650	2770	1562
	2%	14%	2%	8%	5%
grade 3 events	258	600	271	1126	653
	1%	1%	1%	3%	2%
grade 4 events	256	608	254	1155	623
	1%	1%	1%	3%	2%
grade 5 events	999	2581	1124	3002	1502
	4%	7%	4%	9%	5%
grade 6 events	463	8731	562	7351	1585
	2%	23%	2%	22%	5%
grade 7 events	18548	16700	19592	15759	20785
	83%	45%	83%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	130.353007	130.3664661375081	CCD I2 on	N	N
[deg] Pointing Dec	-10.496055	-10.47202670832604	CCD I3 on	Y	Y
[deg] Pointing Roll	30.075820	30.23495363369753	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	347907878.184000	347906688.98484	CCD S5 on	N	N
Observation start date	2009-01-09T17:03:32	2009-01-09T16:44:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347909878.184000	347910328.24752	On-chip summing requested	N	N
Observation end date	2009-01-09T17:36:52	2009-01-09T17:45:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



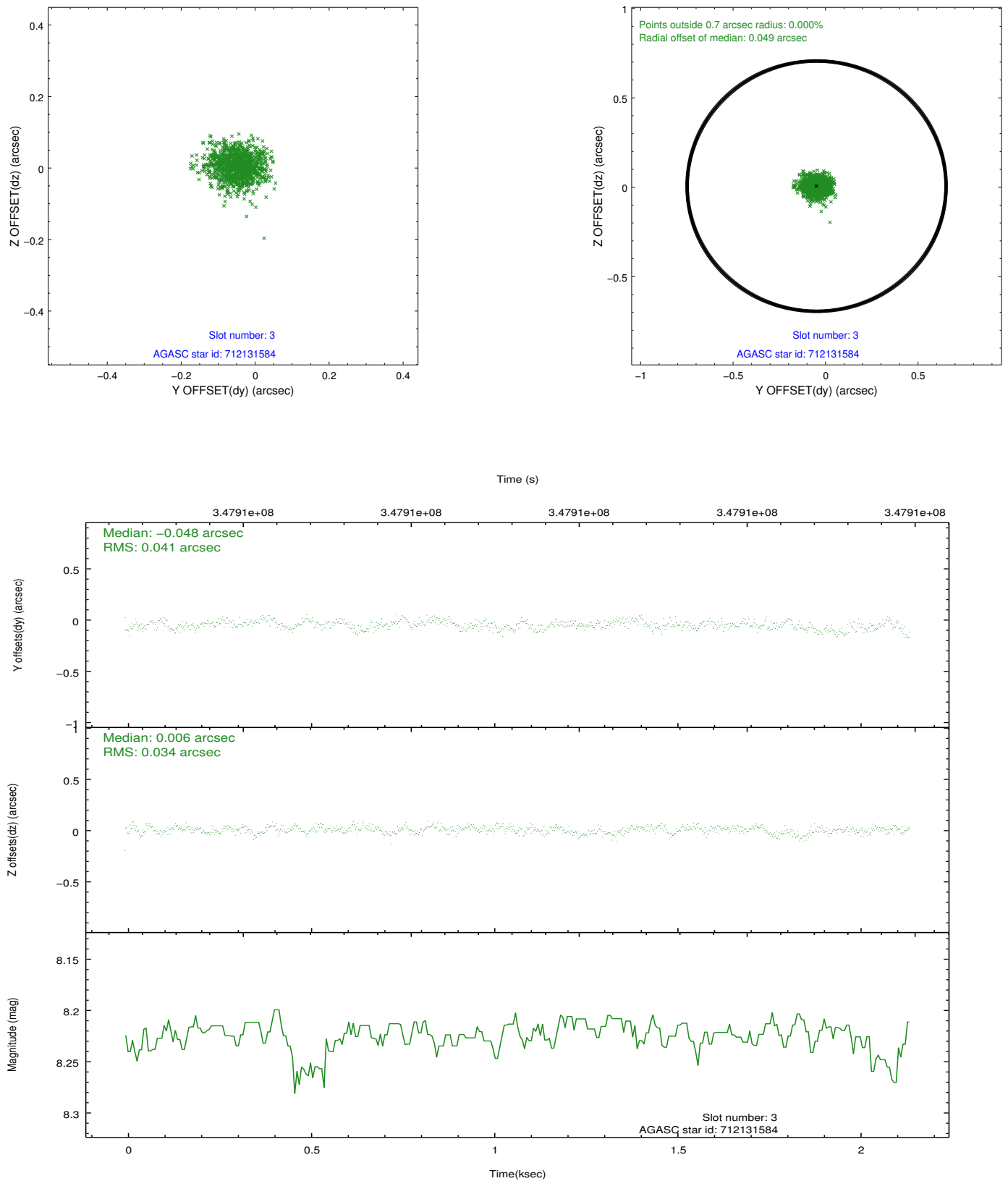


Slot Statistics

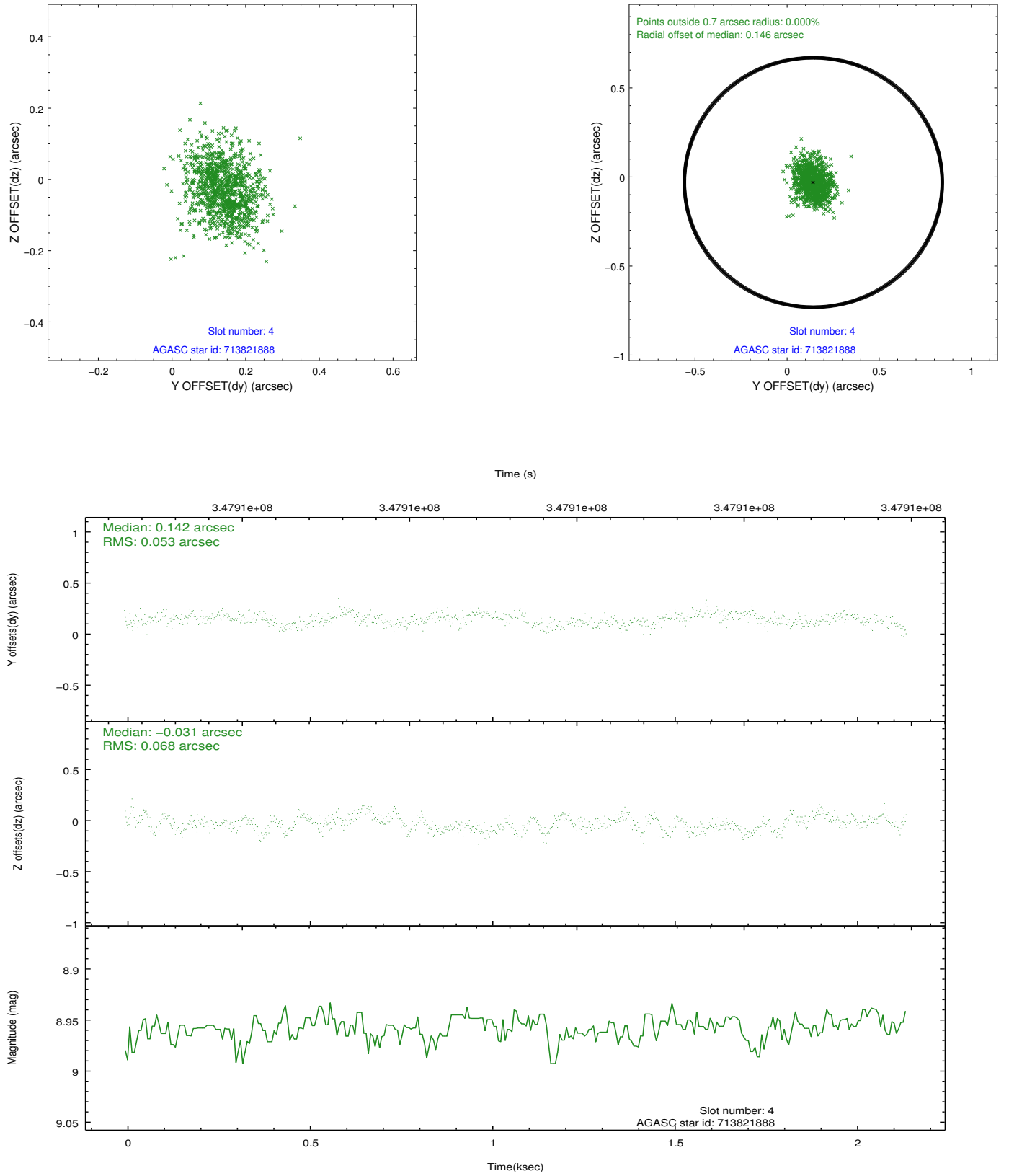
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	523	-0.026	-0.015	0.007	0.011	0.000000	0.000000	-765.57	-1737.87
1	FID	ACIS-S-4	6.97	523	0.138	0.017	0.005	0.009	0.000000	0.000000	2146.47	167.49
2	FID	ACIS-S-5	7.00	523	-0.143	0.007	0.007	0.012	0.000000	0.000000	-1814.63	164.61
3	GUIDE	712131584	8.22	1046	-0.048	0.006	0.056	0.091	129.928468	-10.476992	-1266.67	811.34
4	GUIDE	713821888	8.96	1044	0.142	-0.031	0.092	0.150	130.619353	-11.023164	-137.51	-2113.62
5	GUIDE	713825552	7.48	1046	0.050	-0.137	0.072	0.111	130.213616	-10.445883	-336.69	401.29
6	GUIDE	713822344	8.97	1046	0.015	0.261	0.088	0.140	130.266029	-11.163742	-1470.54	-1925.88
7	GUIDE	713833944	7.30	1045	-0.166	-0.101	0.067	0.124	130.724047	-9.805557	2382.57	1488.88

2.4 Star Slots

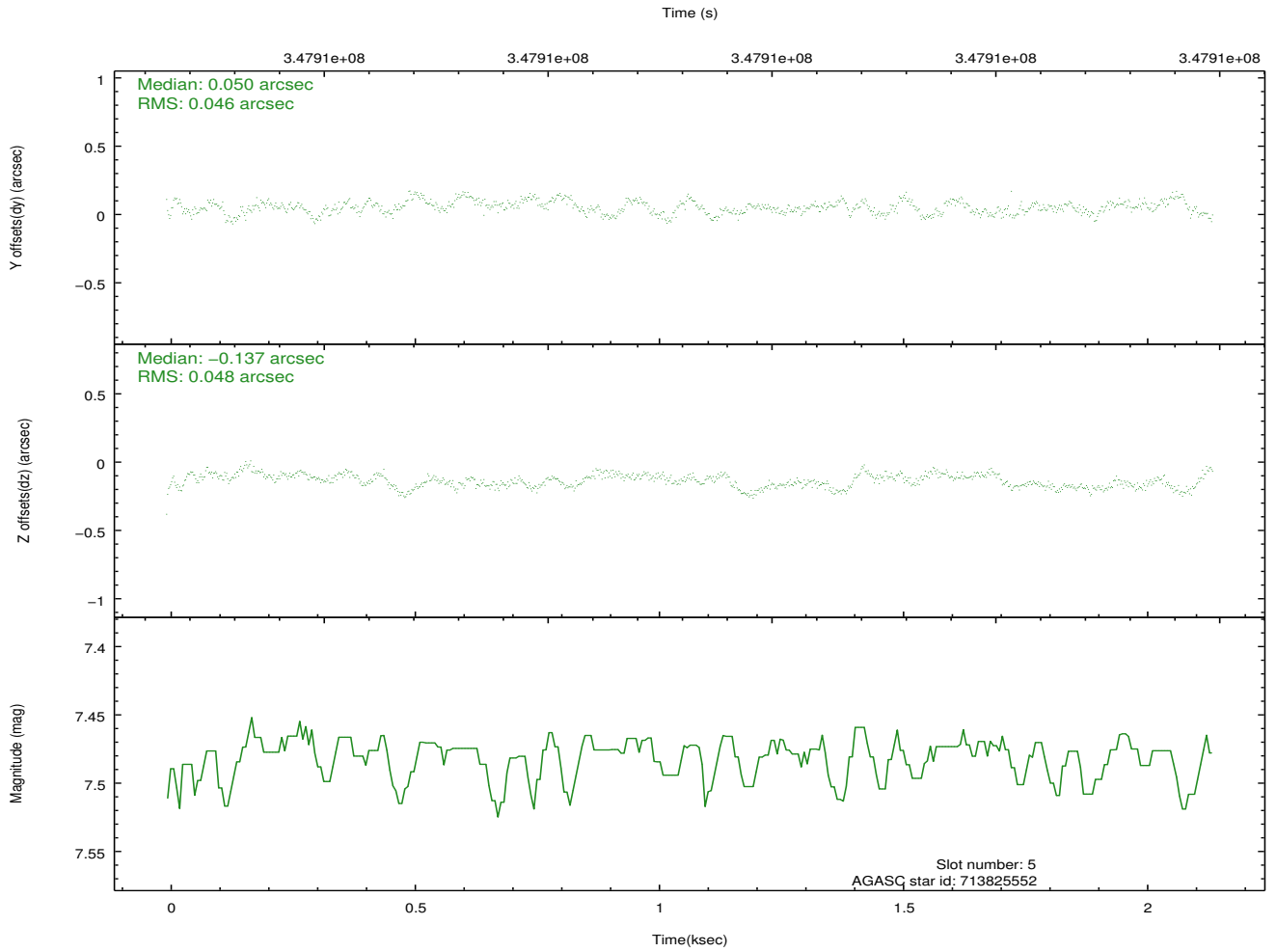
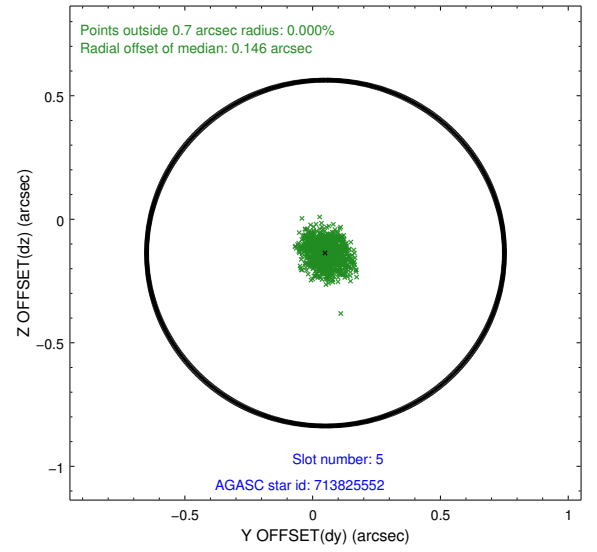
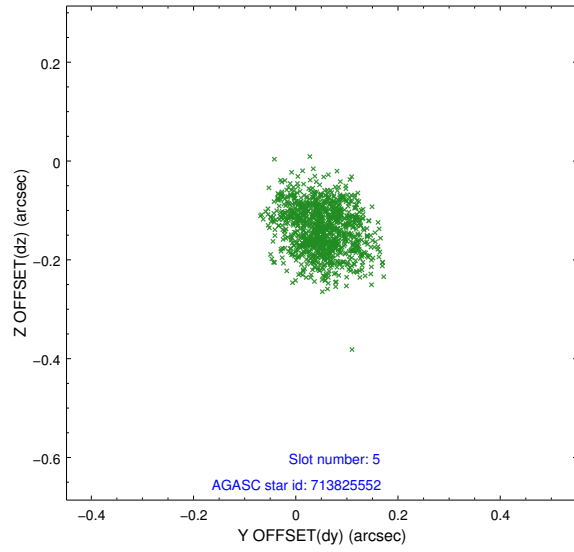
2.4.1 Slot 3



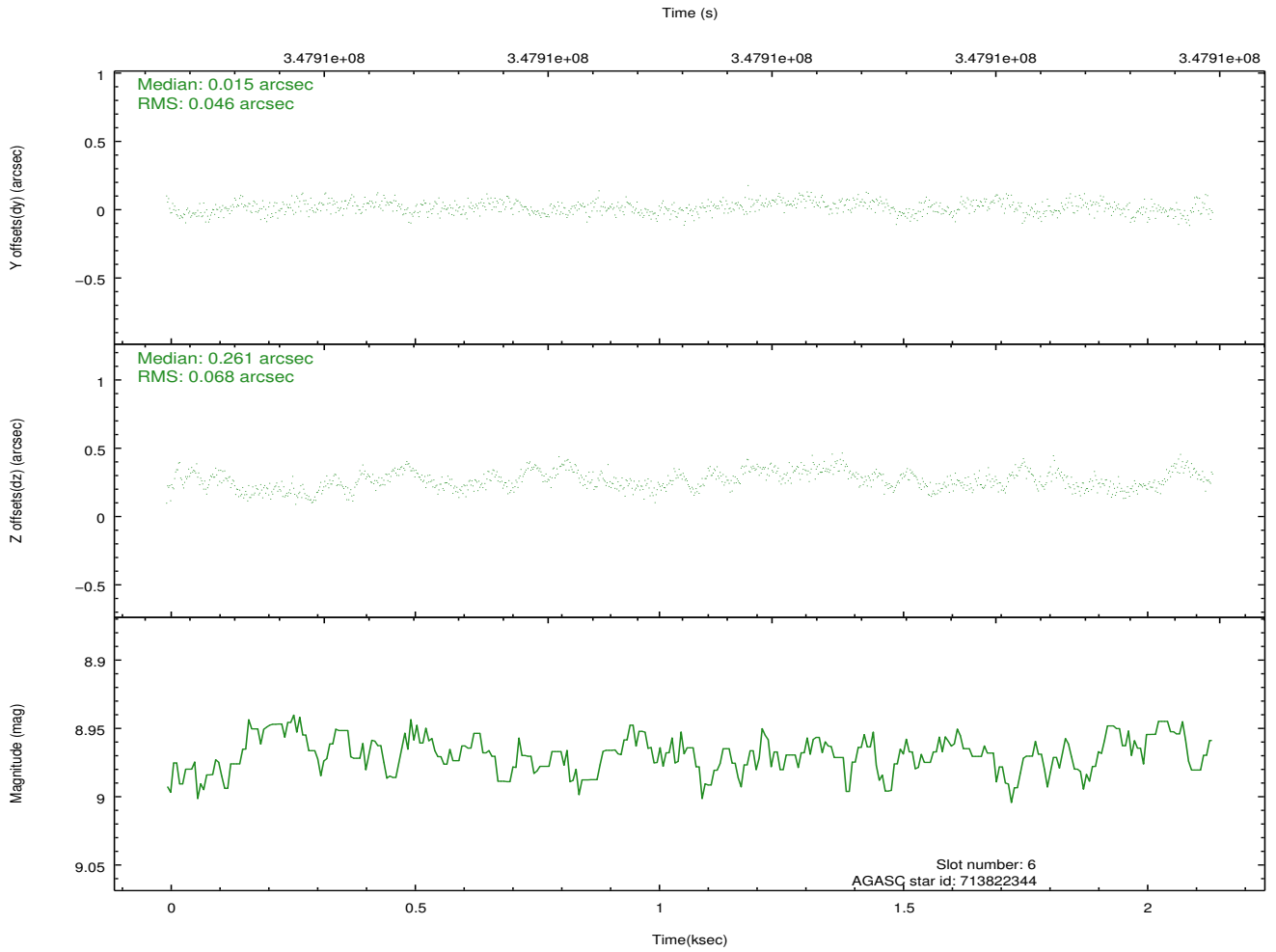
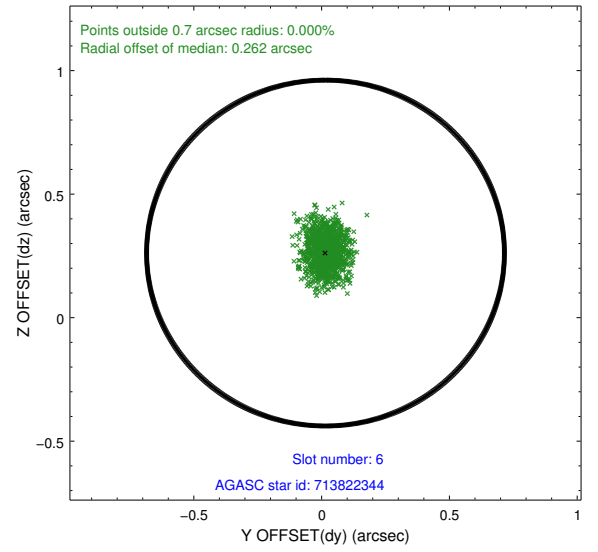
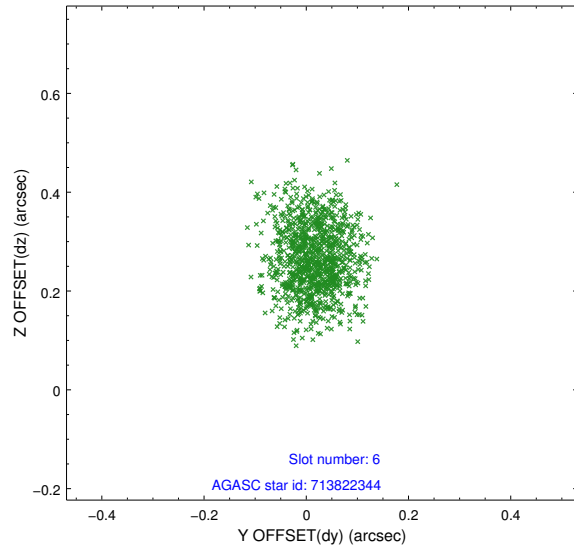
2.4.2 Slot 4



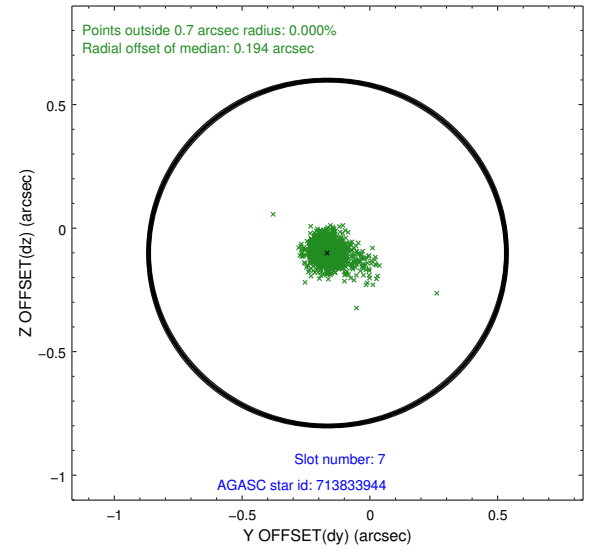
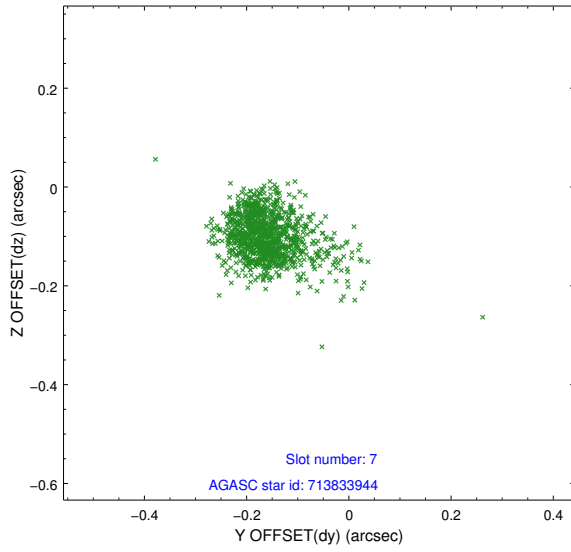
2.4.3 Slot 5



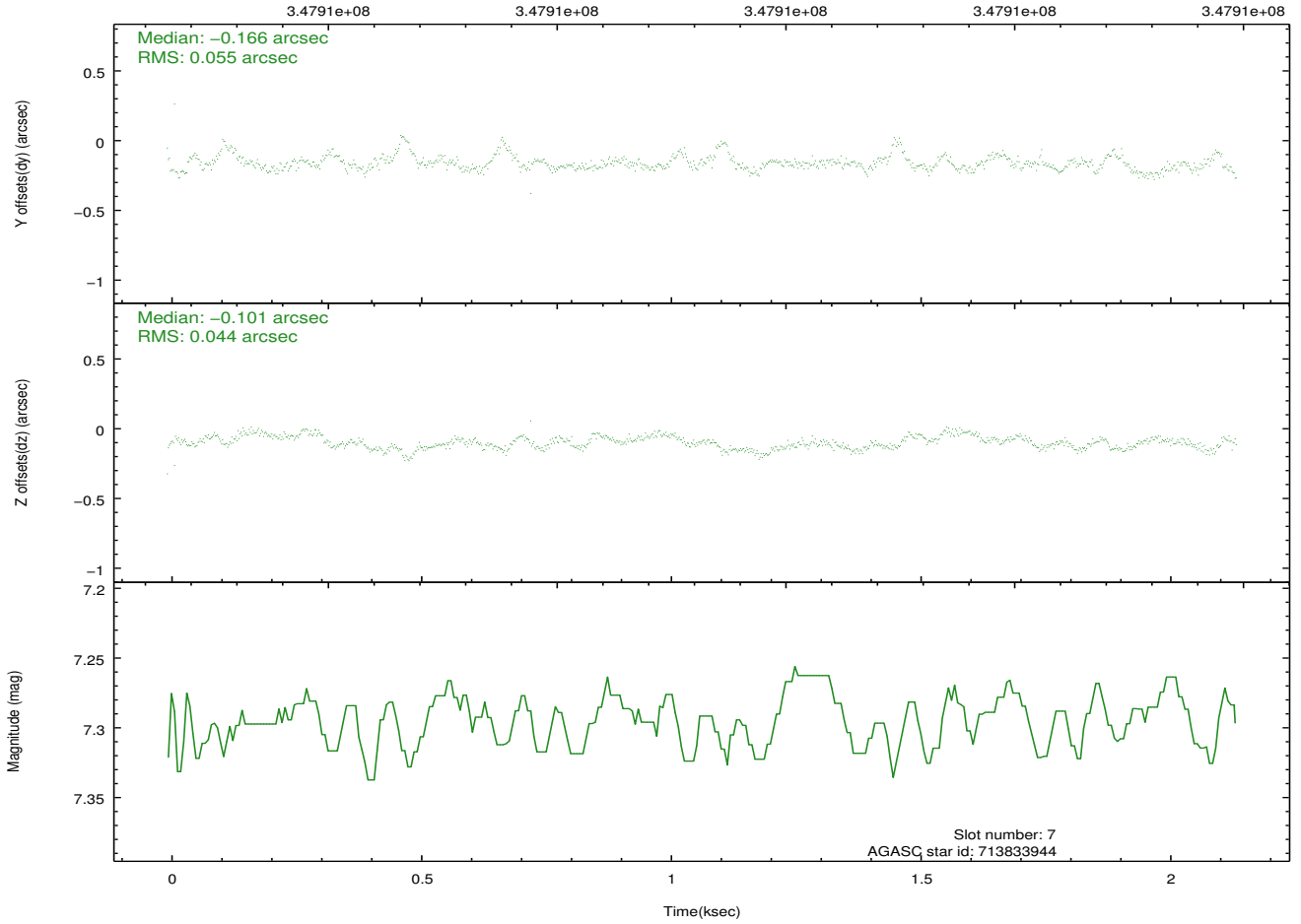
2.4.4 Slot 6



2.4.5 Slot 7

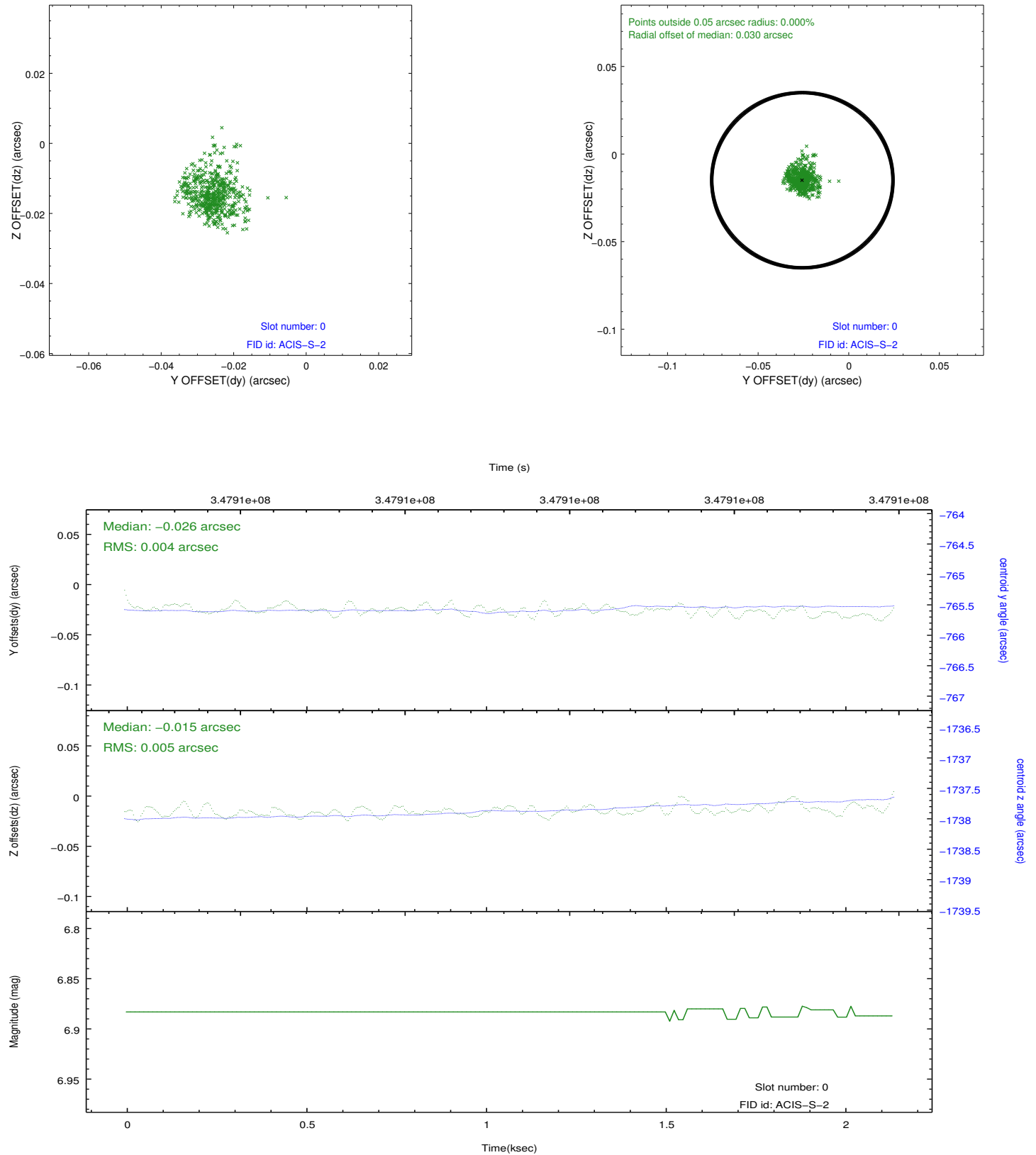


Time (s)

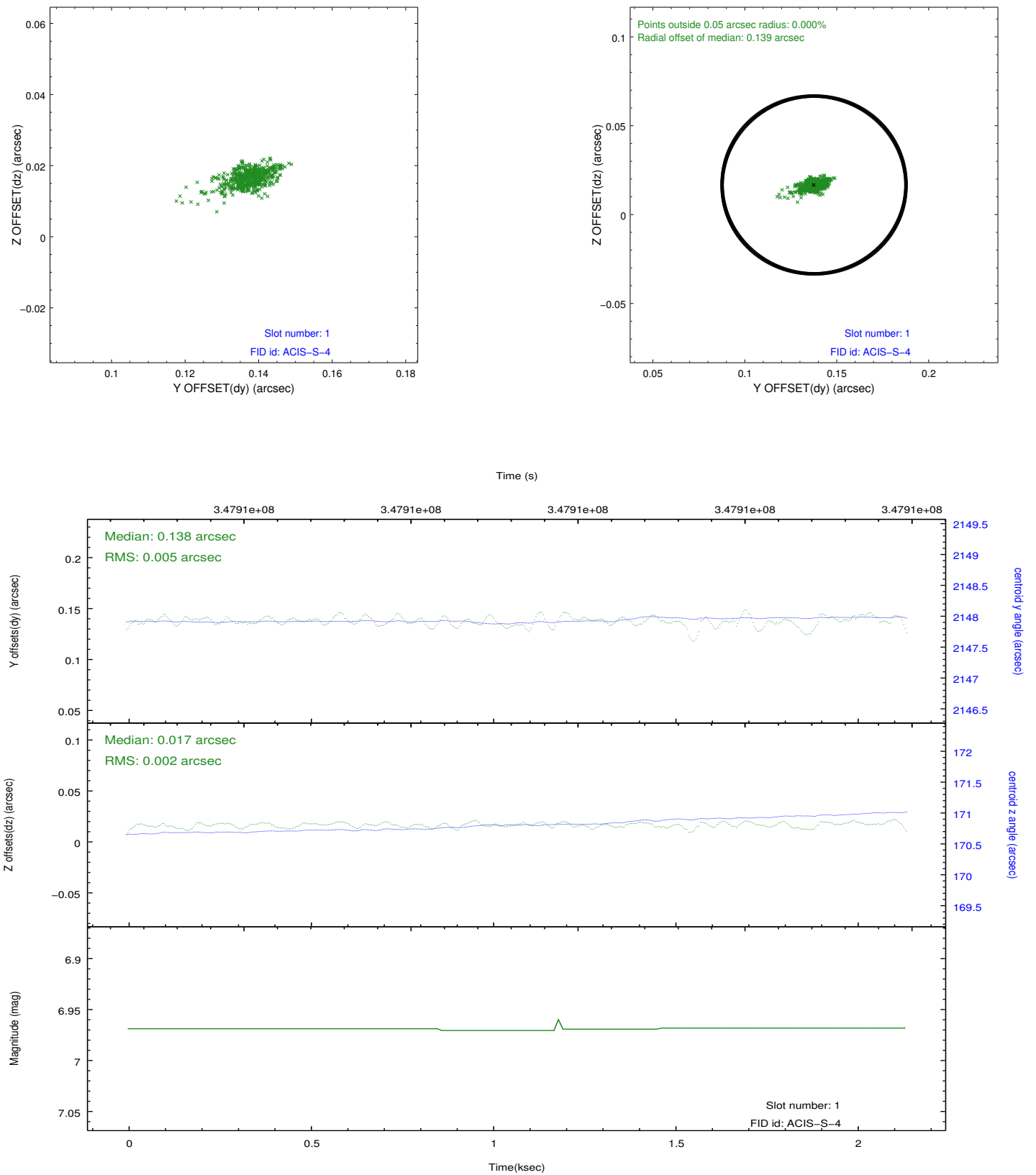


2.5 FID Slots

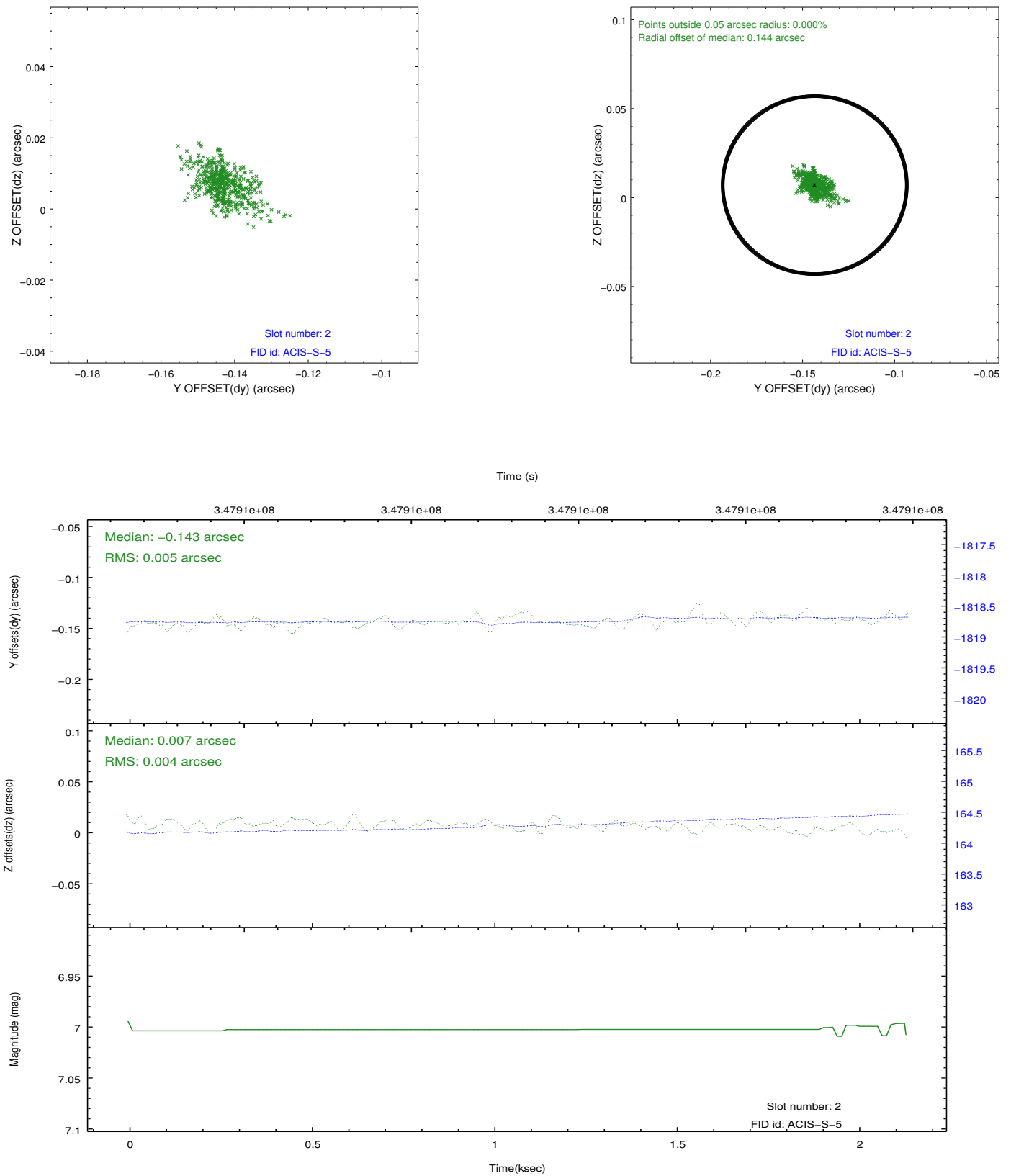
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.13590001

A.2 Comments