

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9786 - L2 Version 2
Chandra X-Ray Center

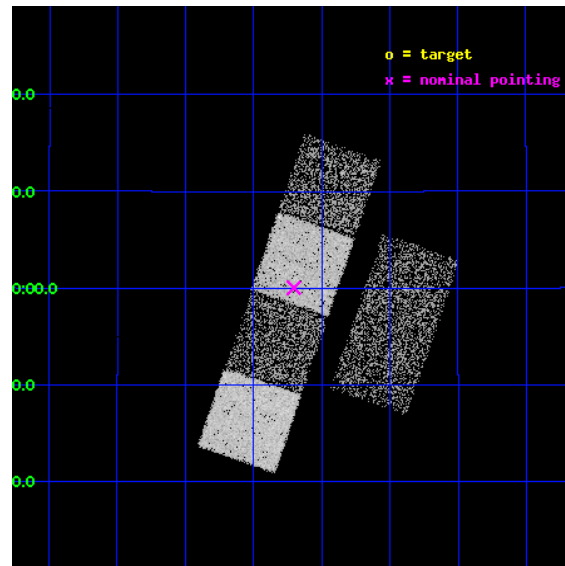
L2 Processing Date : May 7 2012

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1 Front

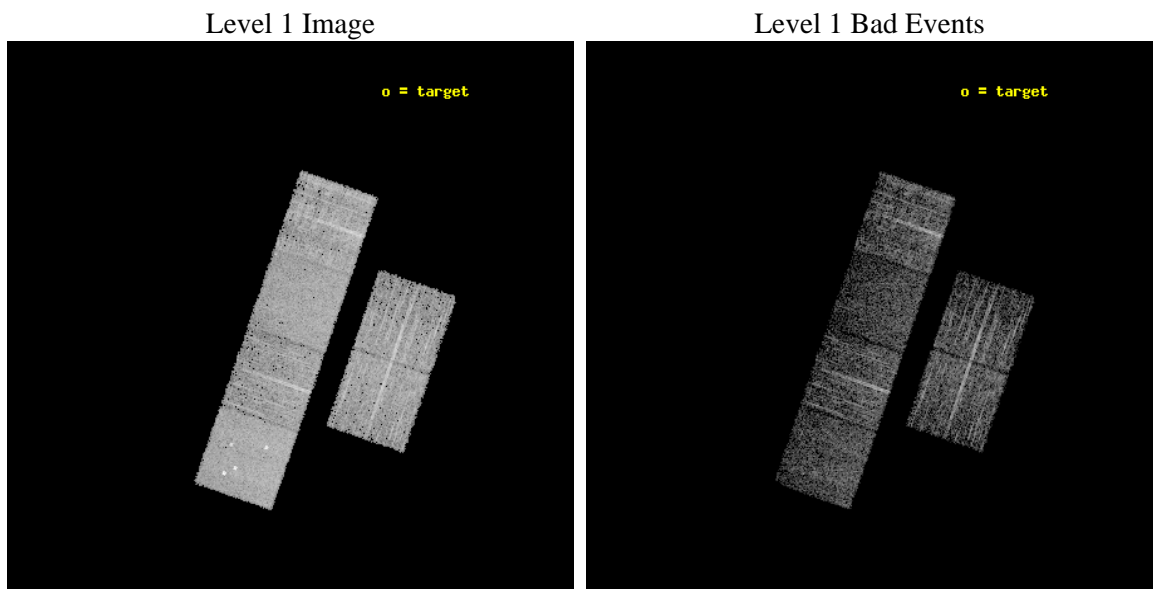
seq_num	100070	Sequence number
obs_id	9786	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	25.92609641316	Nominal RA [deg]
dec_nom	18.000640770994	Nominal Dec [deg]
roll_nom	289.01707485694	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3190.3999881744	Sum of GTIs [s]
liveltime	3150.0012224959	Livetime [s]
ontime2	3190.3999881744	Sum of GTIs [s]
ontime3	3190.3999881744	Sum of GTIs [s]
ontime5	3190.3999881744	Sum of GTIs [s]
ontime6	3190.3999881744	Sum of GTIs [s]
ontime7	3190.3999881744	Sum of GTIs [s]
ontime8	3190.3999881744	Sum of GTIs [s]
l2events	39599	Number of level 2 events



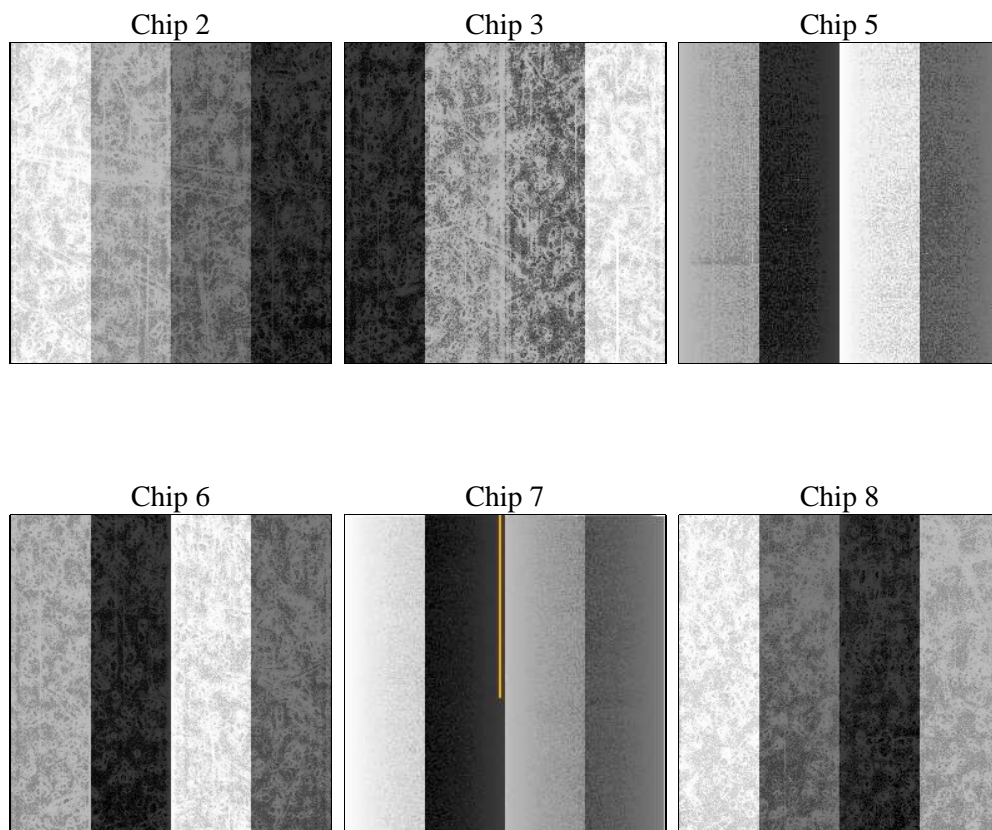
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3190.3999881744	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	3190.3999881744	Sum of GTIs [s]
date	2012-05-07T14:34:25	Date and time of file creation	ontime3	3190.3999881744	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3190.3999881744	Sum of GTIs [s]
			ontime6	3190.3999881744	Sum of GTIs [s]
			ontime7	3190.3999881744	Sum of GTIs [s]
			ontime8	3190.3999881744	Sum of GTIs [s]
			l1events	199828	Number of level 1 events

2.1.4 Events

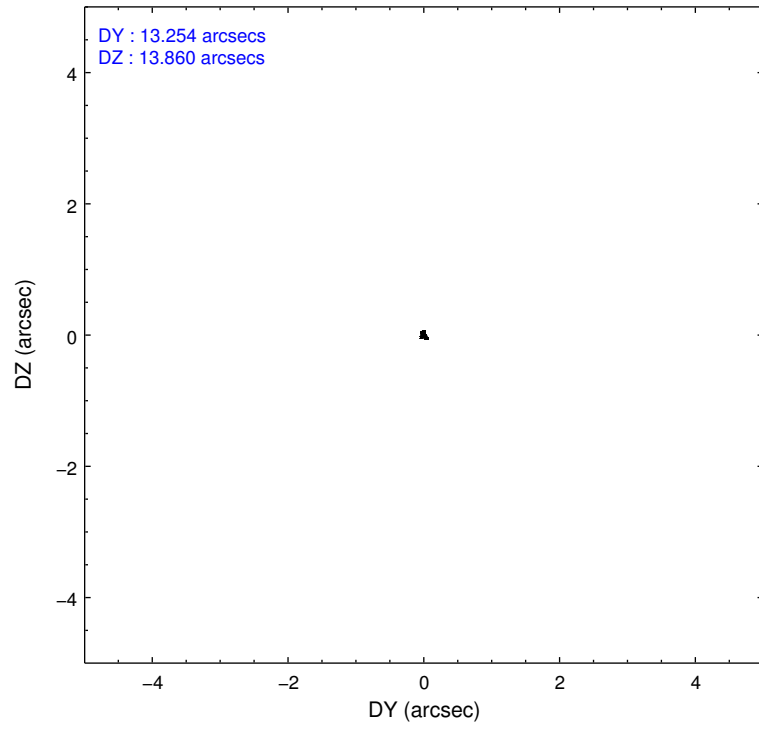
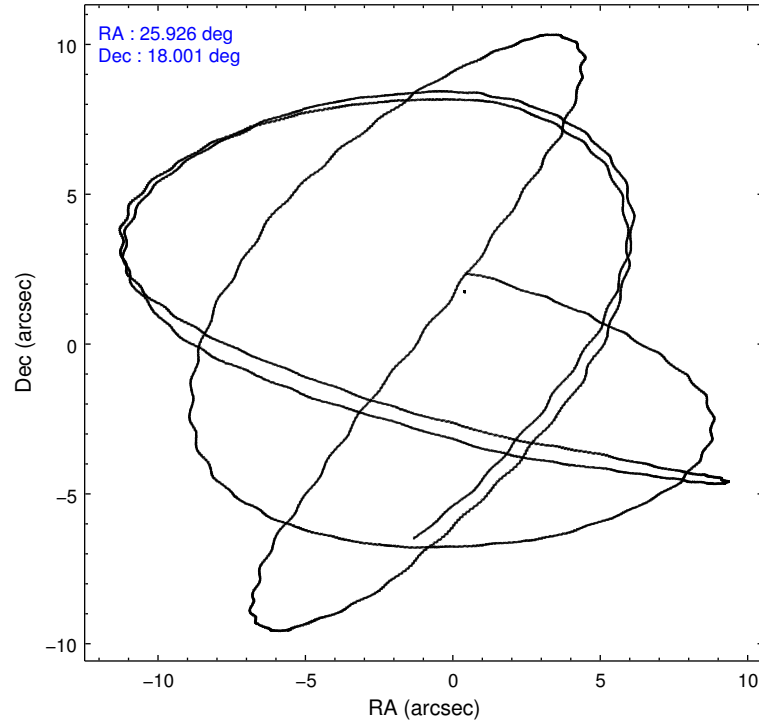
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31521	28115	41486	28822	32688	37196	grade 0 events	941	1002	3359	1096	1627	2620
rejected events	28913	25628	22022	26073	18951	29339		2%	3%	8%	3%	4%	7%
rejected %	91%	91%	53%	90%	57%	78%	grade 1 events	13	21	100	11	49	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	685	610	6048	638	2984	1982
								2%	2%	14%	2%	9%	5%
							grade 3 events	293	301	717	319	1328	909
								0%	1%	1%	1%	4%	2%
							grade 4 events	322	291	737	301	1270	819
								1%	1%	1%	1%	3%	2%
							grade 5 events	992	1118	2928	1125	3315	1632
								3%	3%	7%	3%	10%	4%
							grade 6 events	607	519	10452	683	7883	2271
								1%	1%	25%	2%	24%	6%
							grade 7 events	27668	24253	17145	24649	14232	26932
								87%	86%	41%	85%	43%	72%

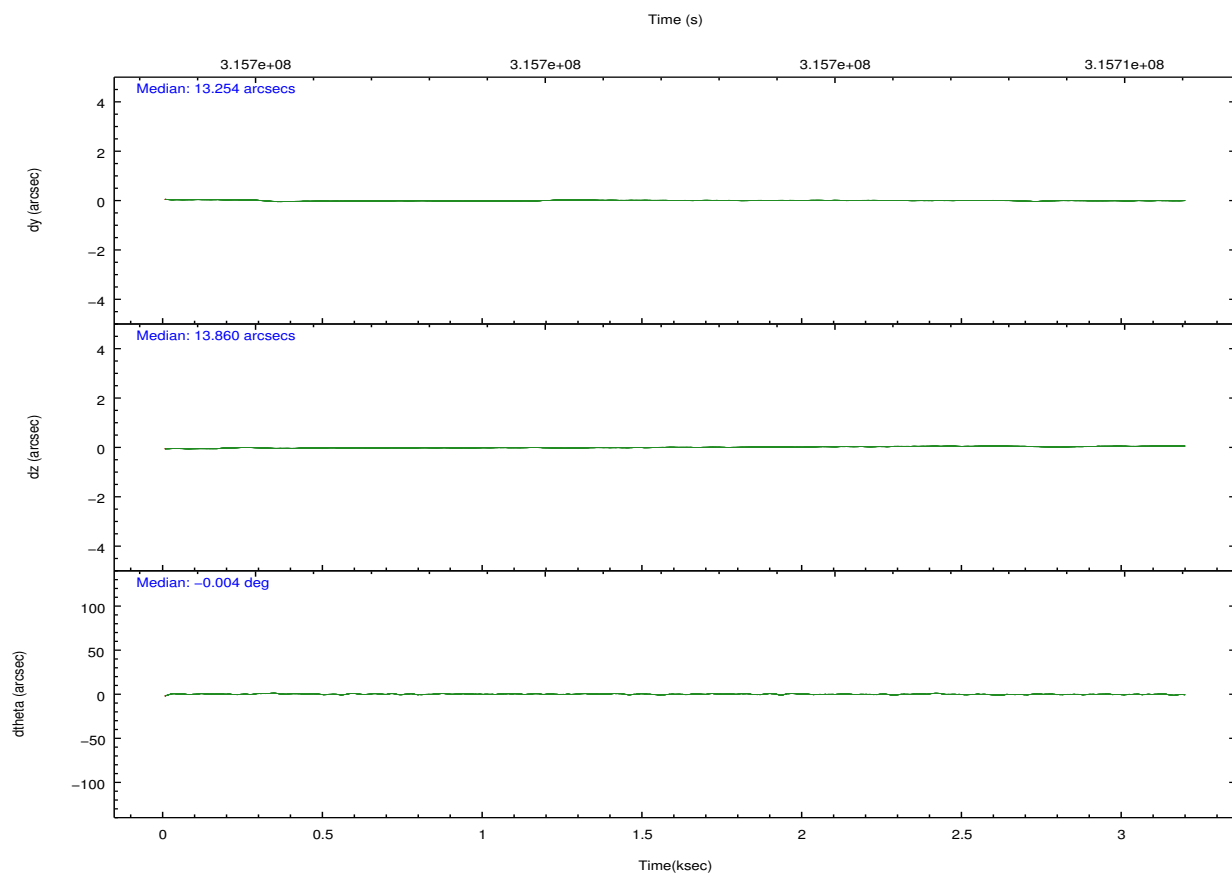
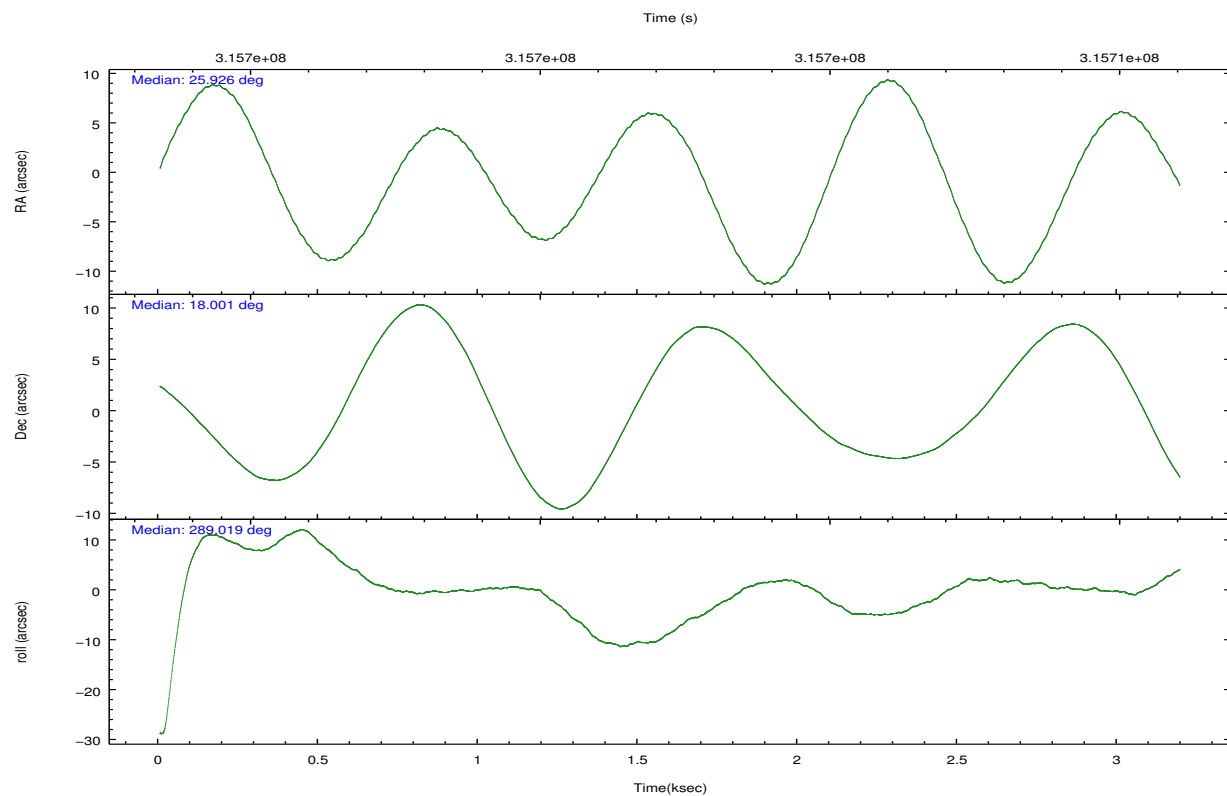
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	25.903938	25.92609641315966
[deg] Pointing Dec	18.018274	18.00064077099418
[deg] Pointing Roll	288.867484	289.0170748569437
[s] Window start time (MET)	314928065.184000	314928065.184000
[s] Window stop time (MET)	316828805.184000	316828805.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	315703047.184000	315702670.8111
Observation start date	2008-01-02T23:16:22	2008-01-02T23:11:10
[s] Observation end time (MET)	315706047.184000	315706181.43627
Observation end date	2008-01-03T00:06:22	2008-01-03T00:09:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



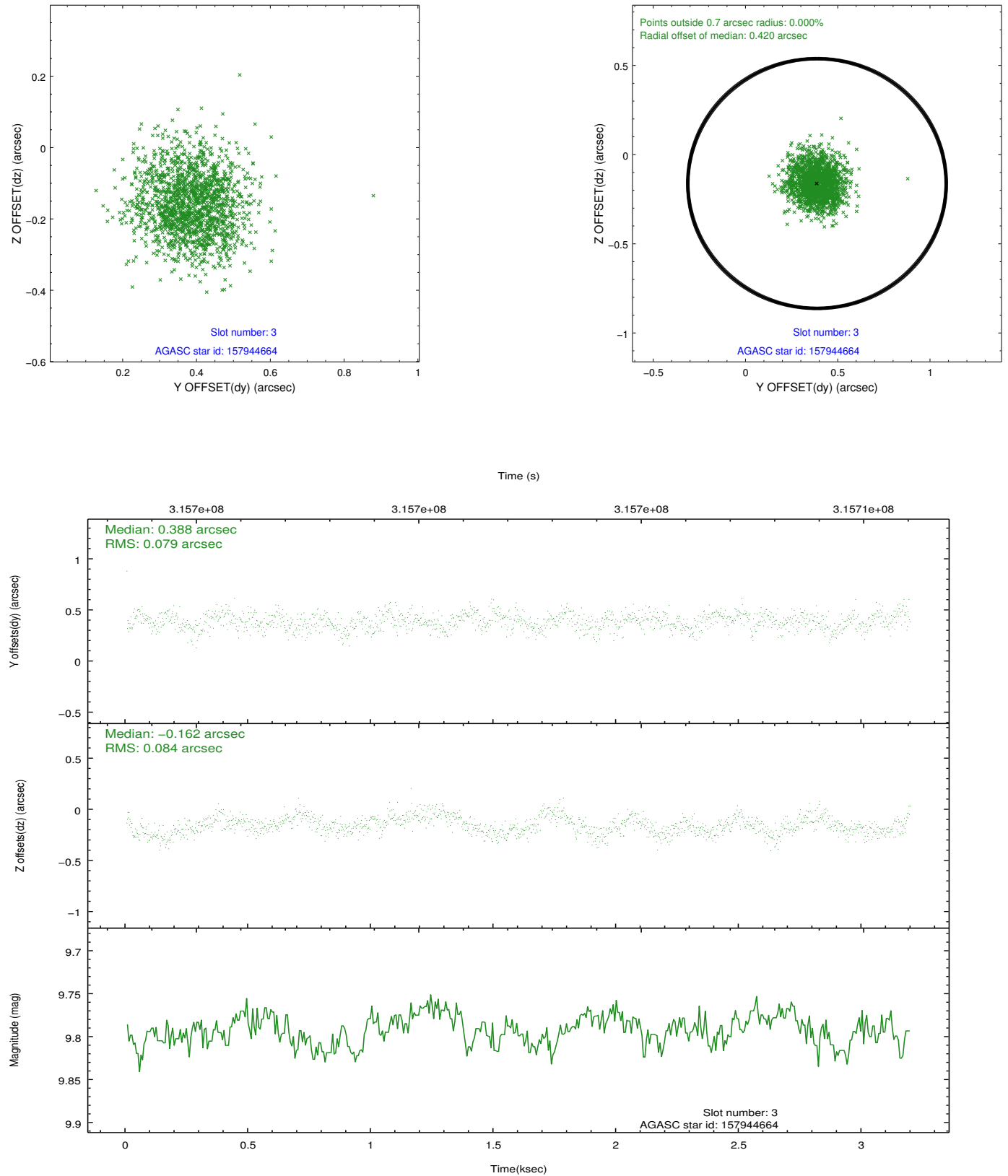


Slot Statistics

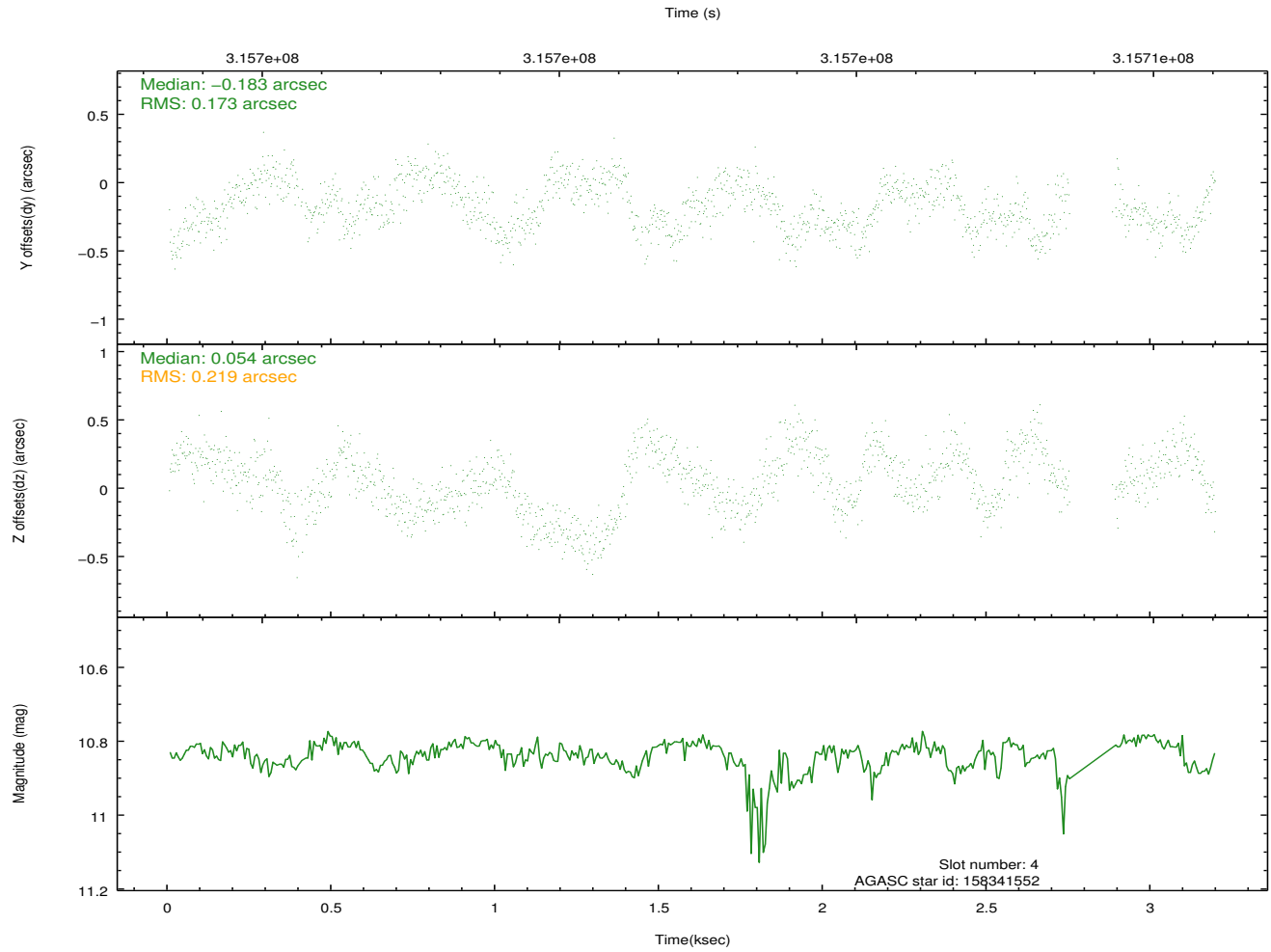
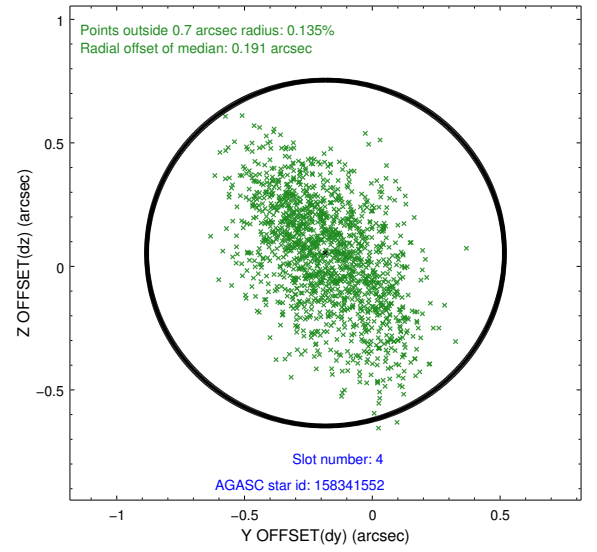
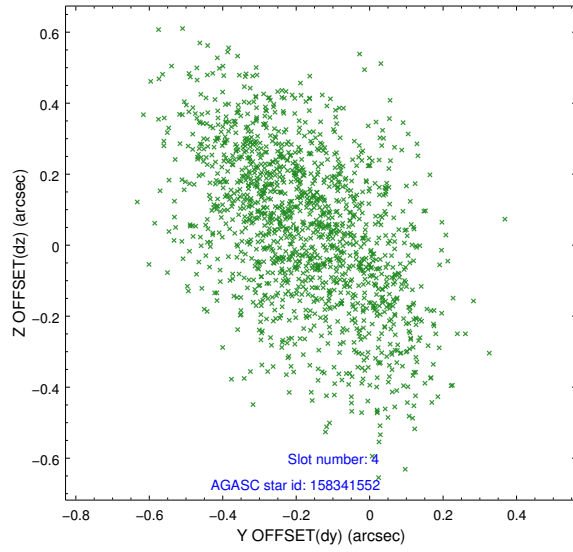
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	779	-0.043	-0.063	0.006	0.011	0.000000	0.000000	-766.21	-1735.23
1	FID	ACIS-S-4	7.19	779	0.177	0.038	0.005	0.010	0.000000	0.000000	2146.37	171.30
2	FID	ACIS-S-5	7.23	779	-0.165	0.034	0.006	0.010	0.000000	0.000000	-1816.63	167.23
3	GUIDE	157944664	9.79	1558	0.388	-0.162	0.122	0.197	25.972675	17.418757	2119.45	-475.08
4	GUIDE	158341552	10.83	1476	-0.183	0.054	0.298	0.494	26.388252	18.725072	-1874.44	2385.58
5	GUIDE	158343776	9.57	1548	-0.026	0.080	0.136	0.215	25.983489	17.713818	1124.50	-94.96
6	GUIDE	158346000	9.63	1558	-0.278	0.042	0.128	0.218	25.430156	18.257004	-1337.62	-1253.81
7	GUIDE	158346992	9.13	1556	0.091	-0.013	0.126	0.198	25.273166	18.276827	-1581.94	-1739.33

2.4 Star Slots

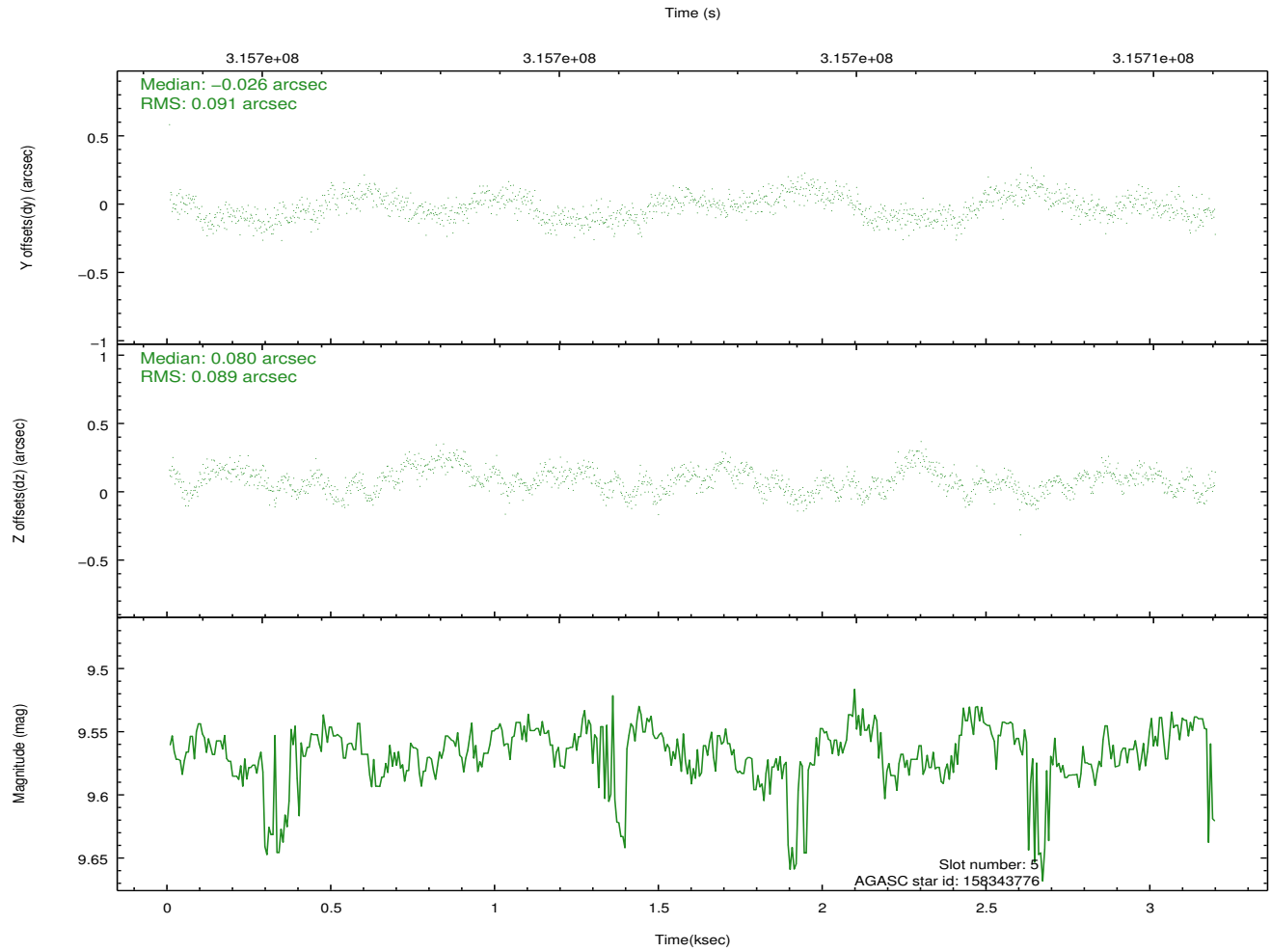
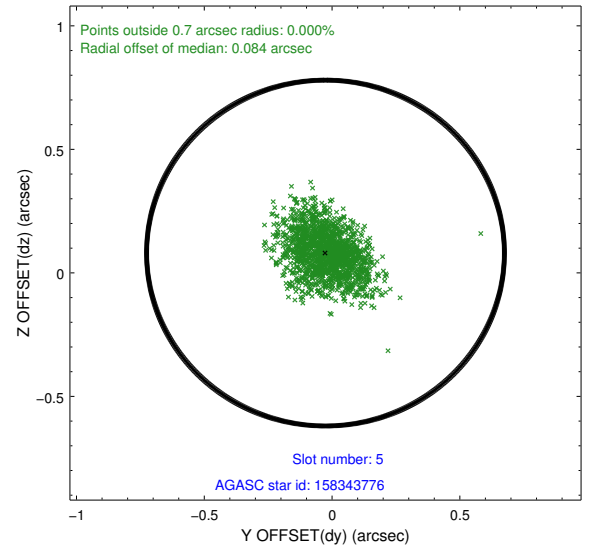
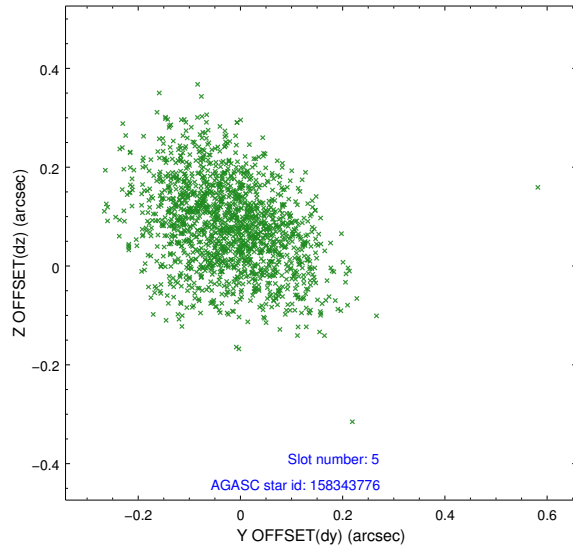
2.4.1 Slot 3



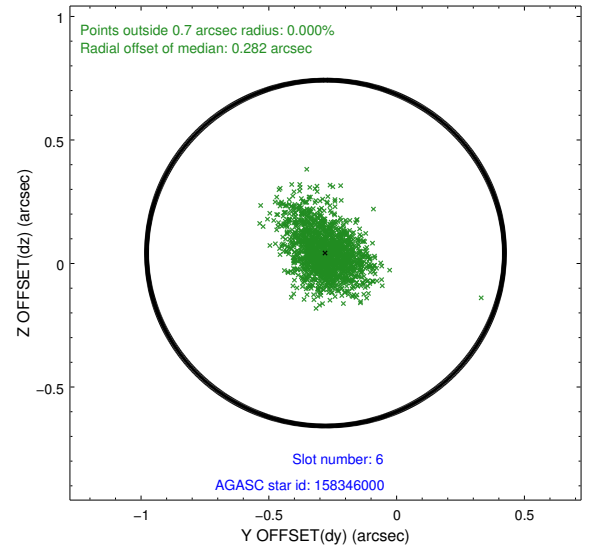
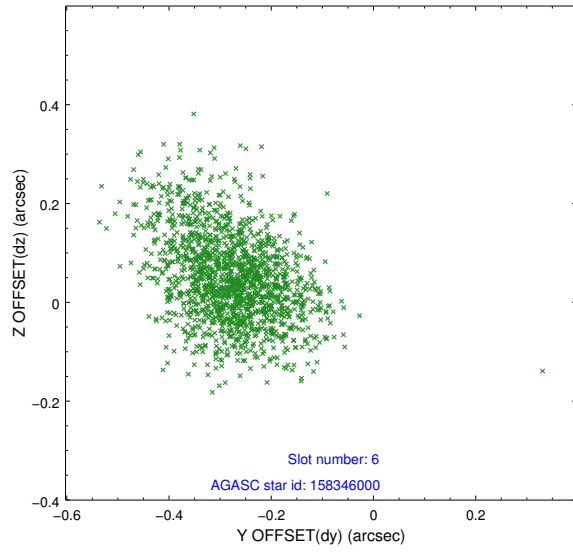
2.4.2 Slot 4



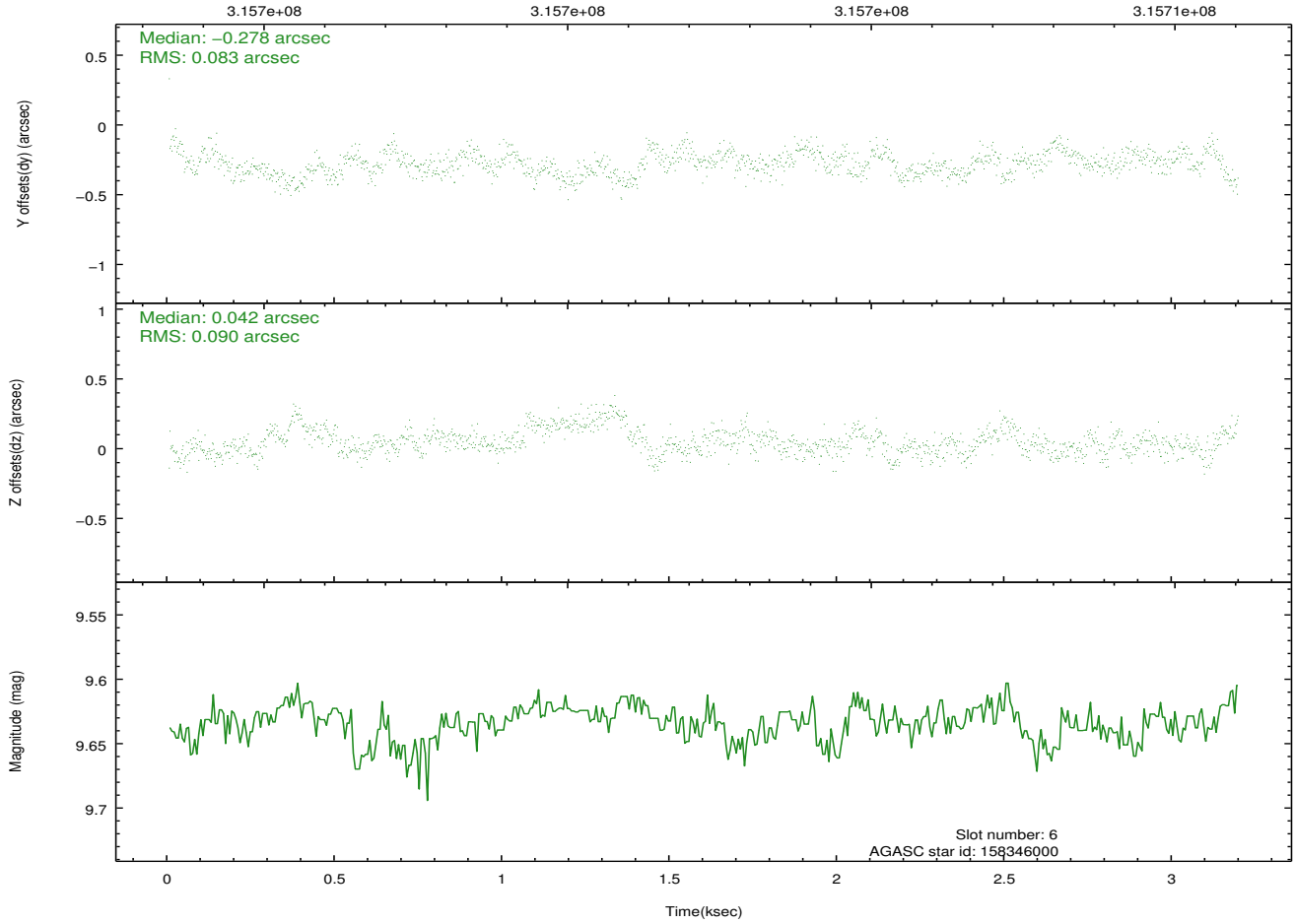
2.4.3 Slot 5



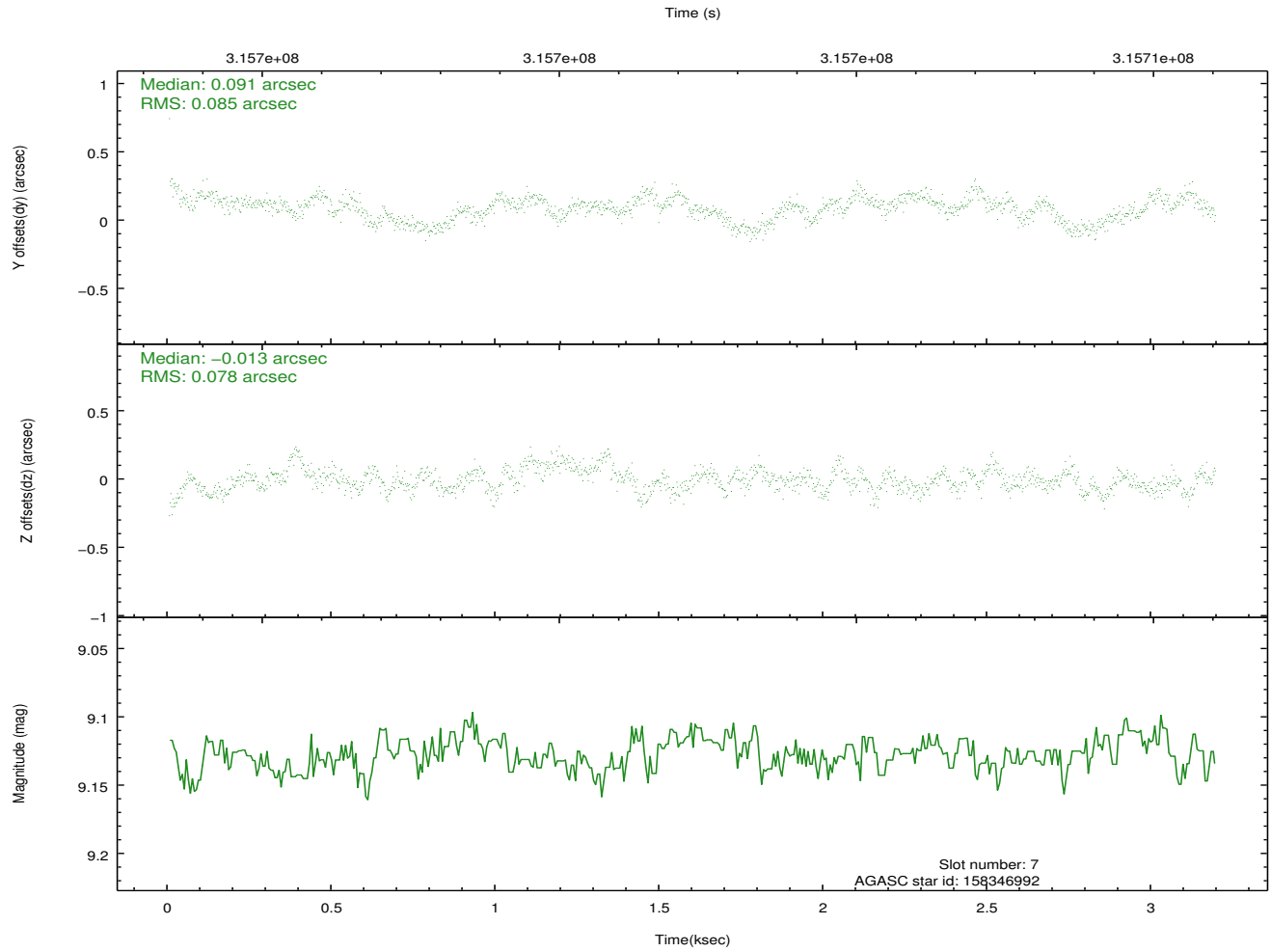
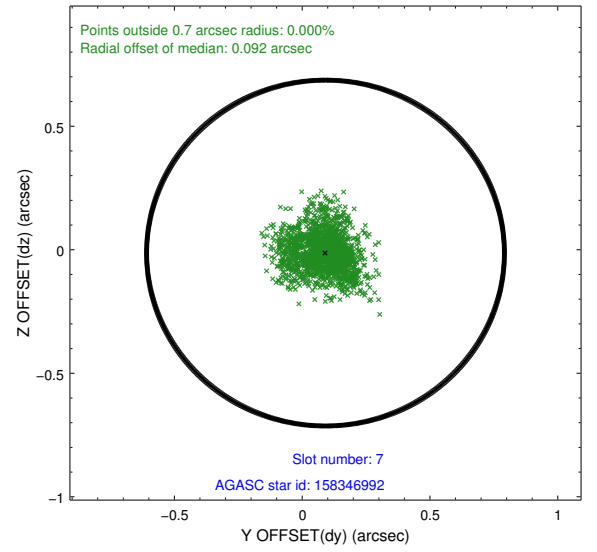
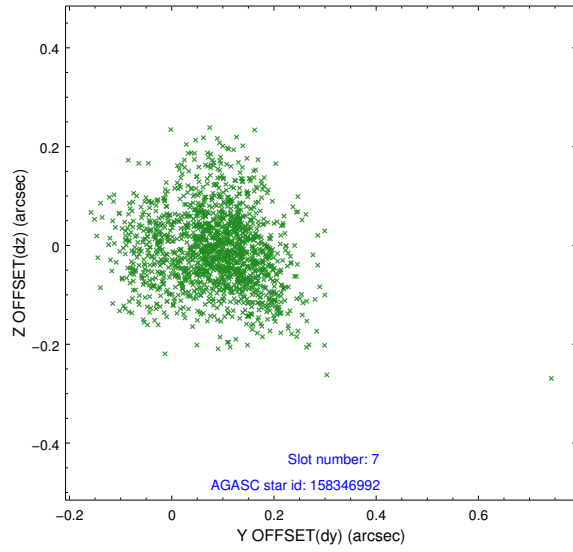
2.4.4 Slot 6



Time (s)

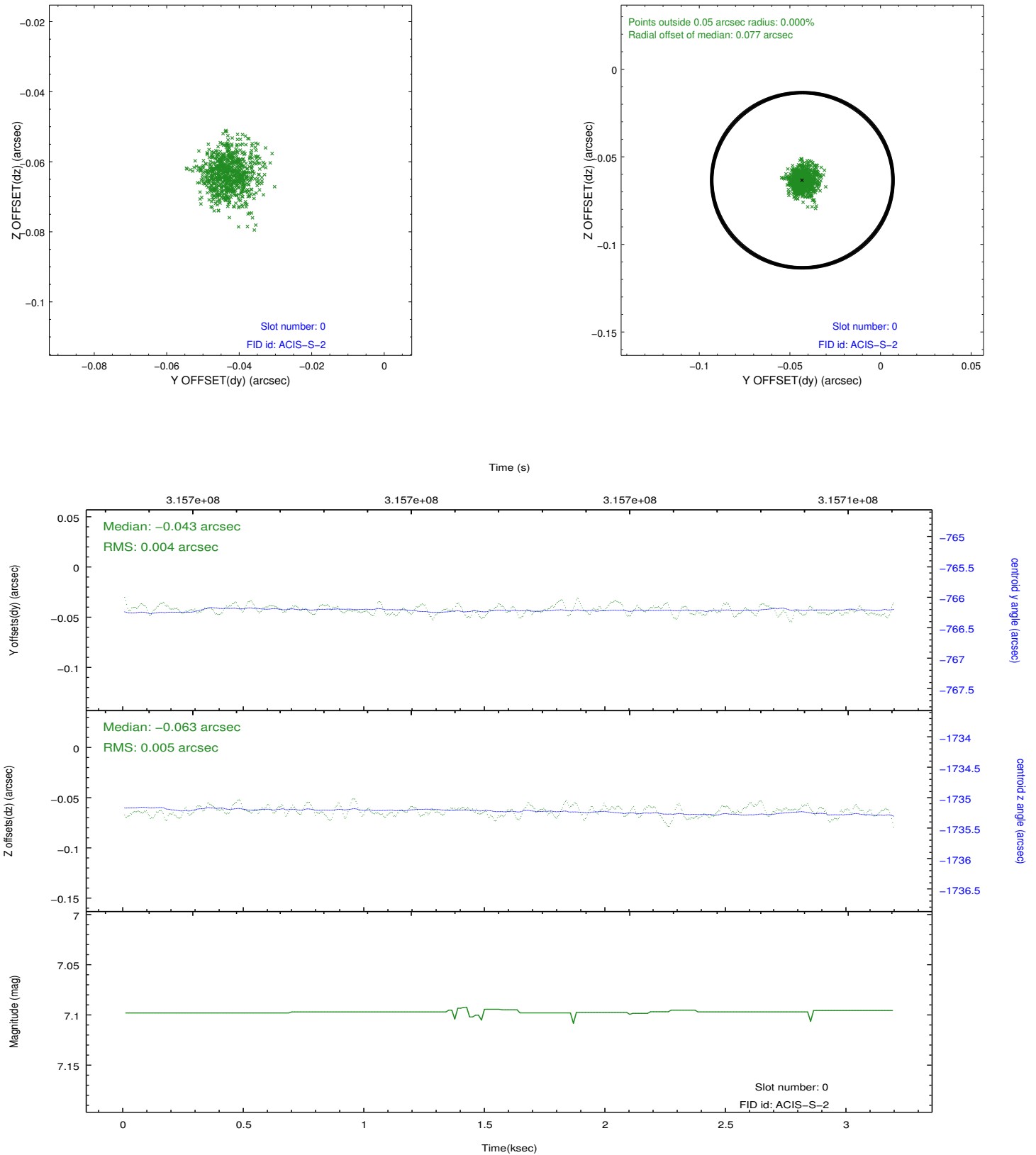


2.4.5 Slot 7

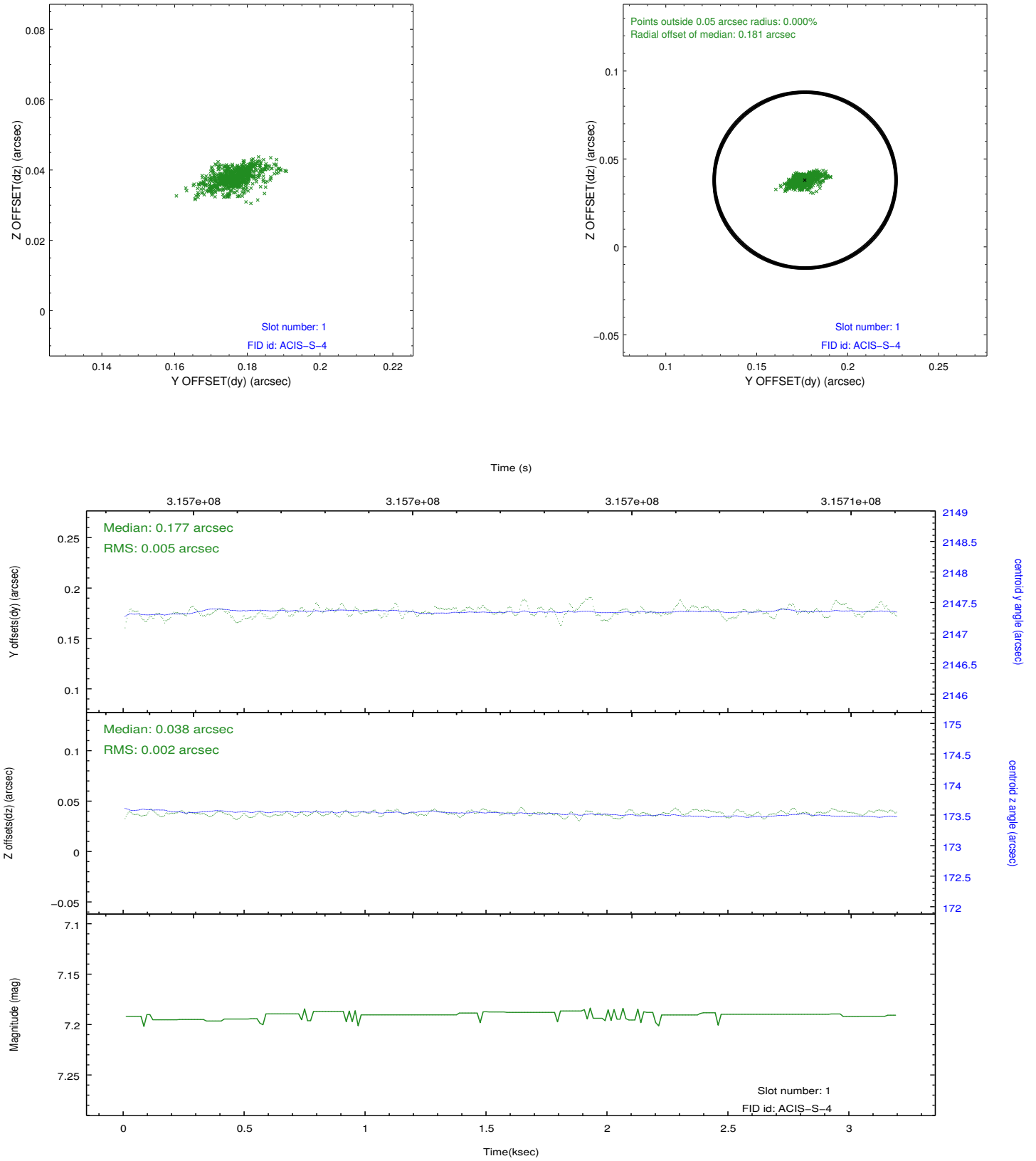


2.5 FID Slots

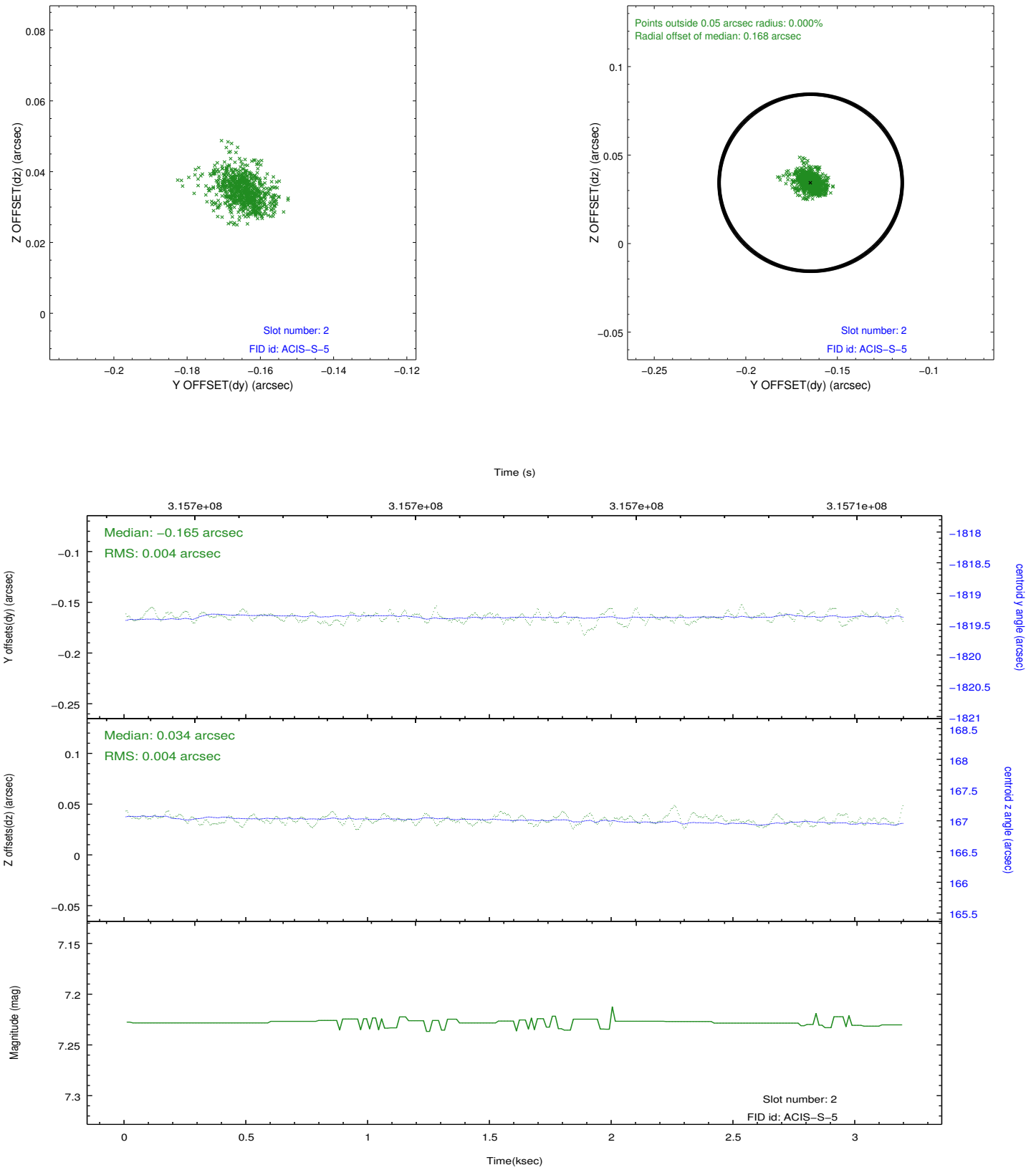
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.19039998

A.2 Comments

Window constraint met.