

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9782 - L2 Version 2
Chandra X-Ray Center

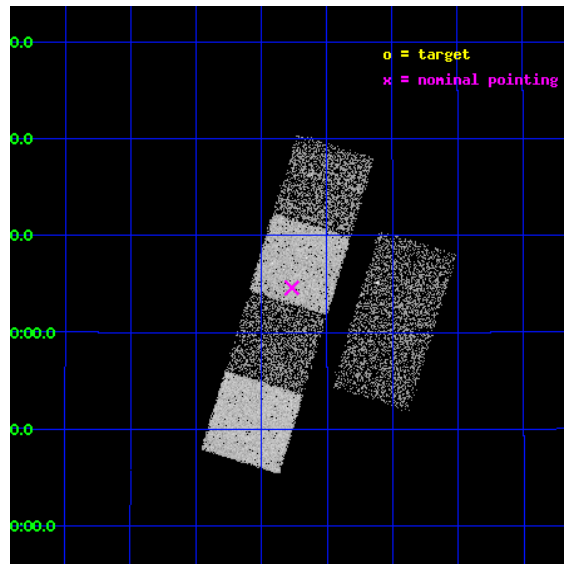
L2 Processing Date : May 7 2012

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1 Front

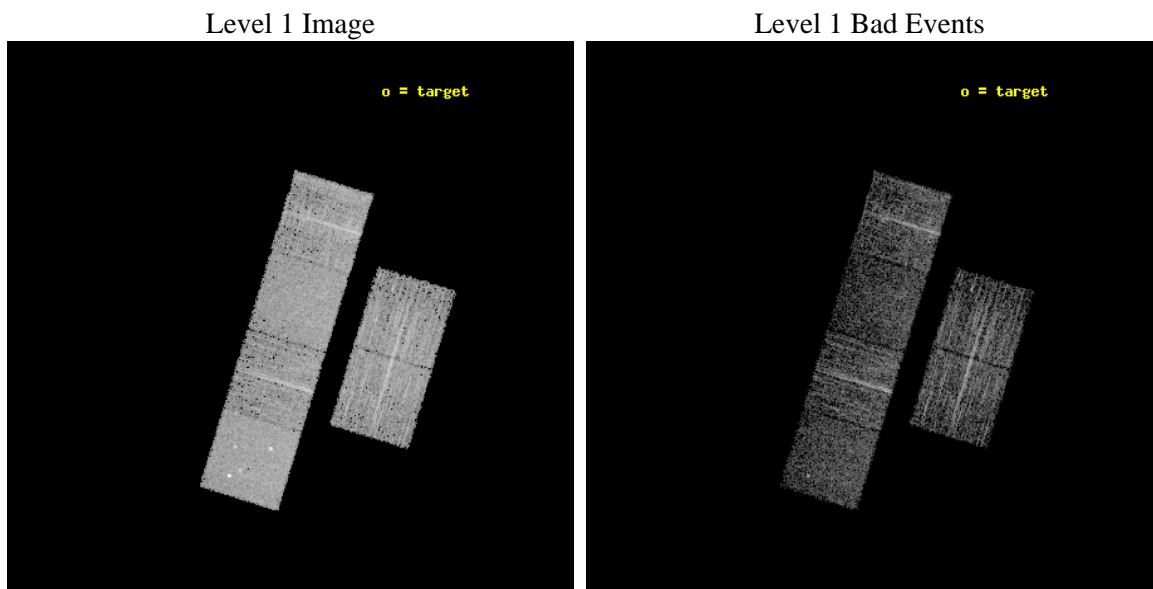
seq_num	100070	Sequence number
obs_id	9782	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	24.442085093895	Nominal RA [deg]
dec_nom	24.076912633689	Nominal Dec [deg]
roll_nom	287.0302437476	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3183.9999881983	Sum of GTIs [s]
livedtime	3143.6822631731	Livetime [s]
ontime2	3183.9999881983	Sum of GTIs [s]
ontime3	3183.9999881983	Sum of GTIs [s]
ontime5	3183.9999881983	Sum of GTIs [s]
ontime6	3183.9999881983	Sum of GTIs [s]
ontime7	3183.9999881983	Sum of GTIs [s]
ontime8	3183.9999881983	Sum of GTIs [s]
l2events	40546	Number of level 2 events



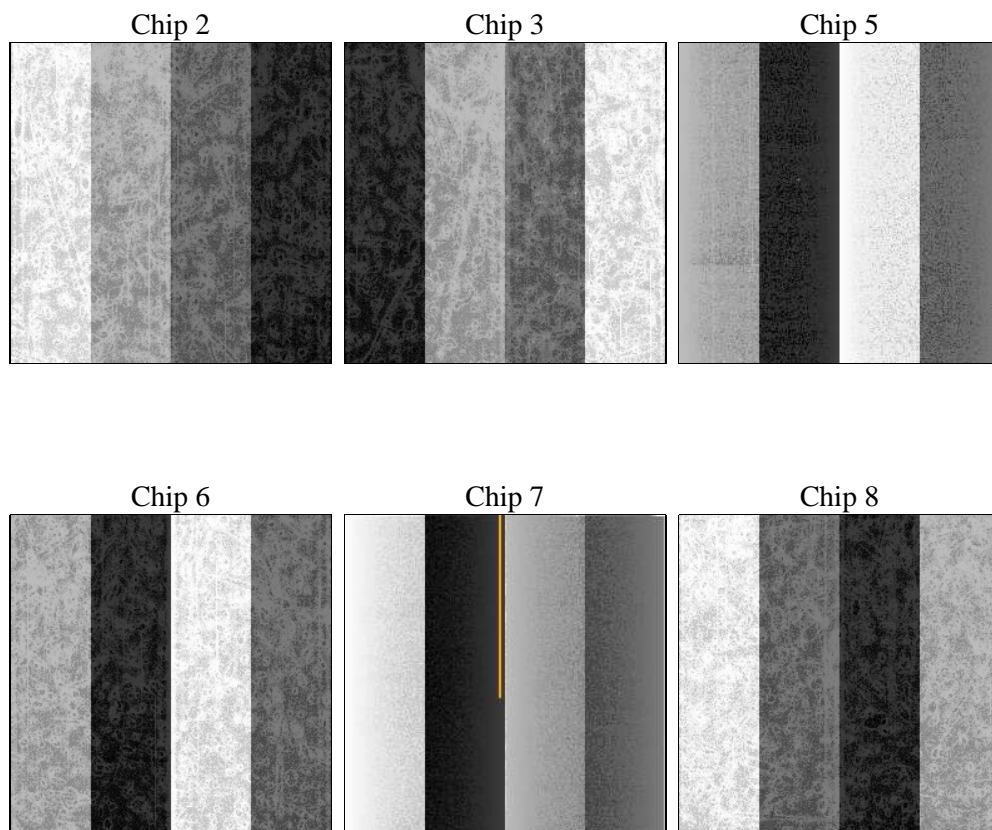
2 OBI

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	3183.9999881983	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3183.9999881983	Sum of GTIs [s]
date	2012-05-07T14:11:35	Date and time of file creation	ontime3	3183.9999881983	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3183.9999881983	Sum of GTIs [s]
			ontime6	3183.9999881983	Sum of GTIs [s]
			ontime7	3183.9999881983	Sum of GTIs [s]
			ontime8	3183.9999881983	Sum of GTIs [s]
			l1events	201065	Number of level 1 events

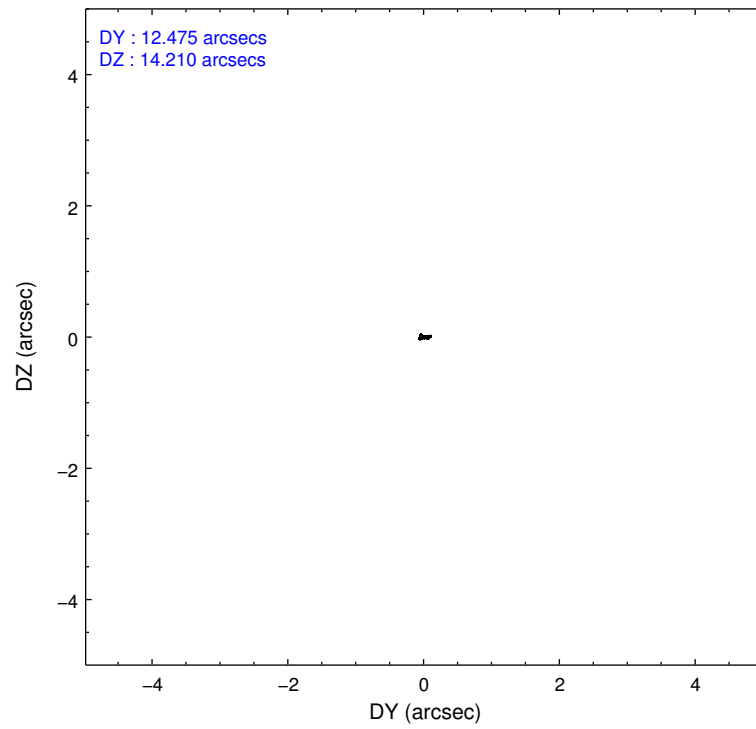
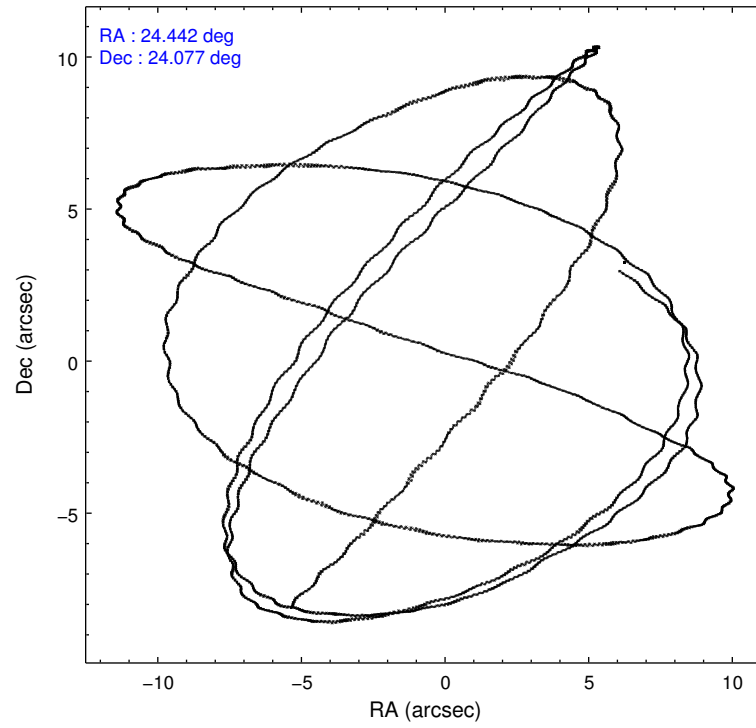
2.1.4 Events

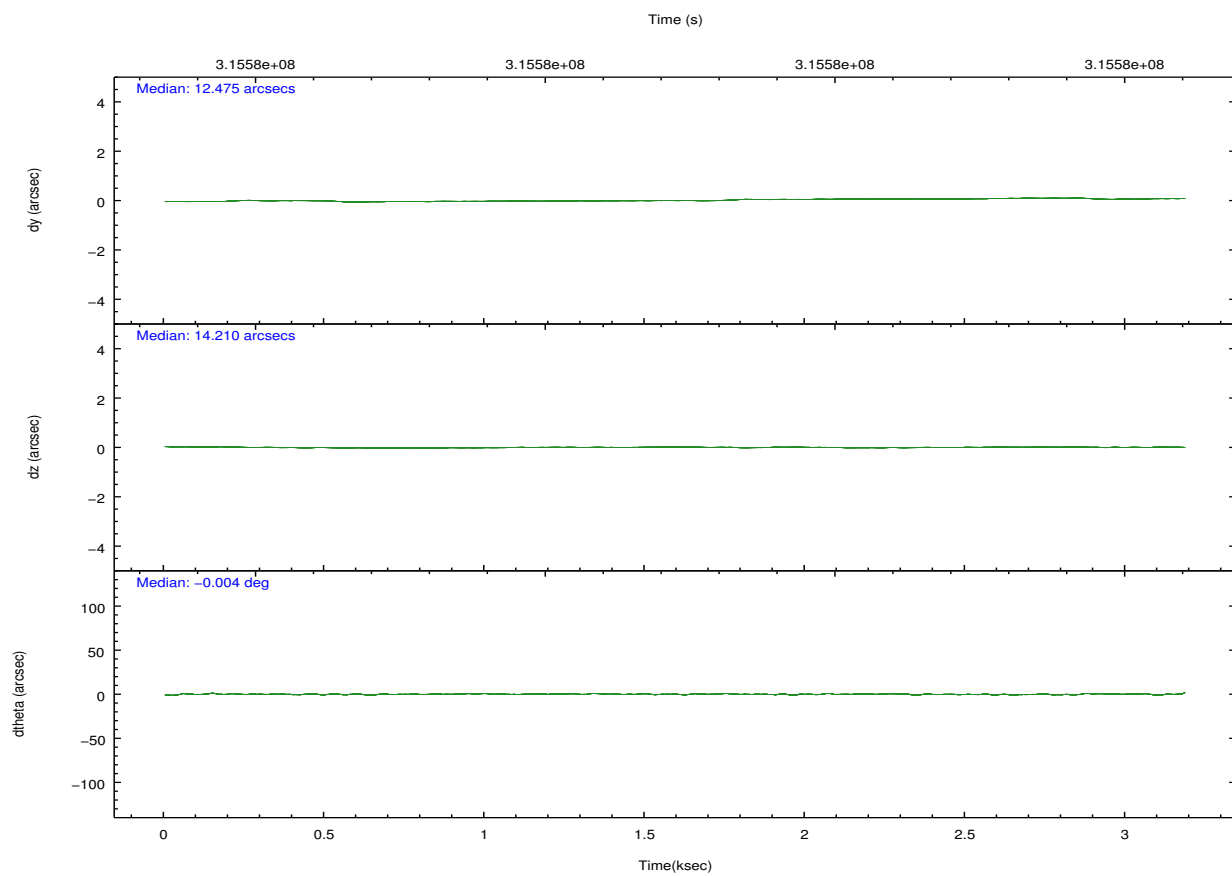
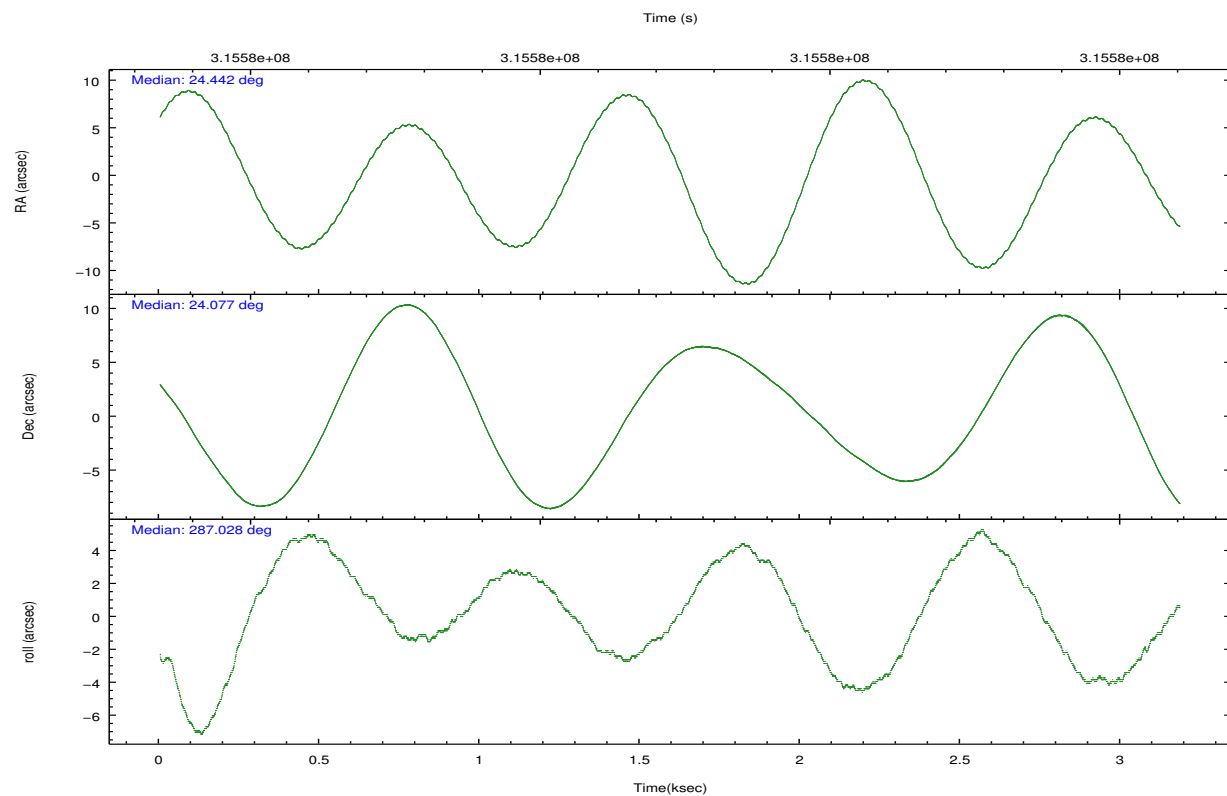
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30811	29682	40918	29842	33597	36215	grade 0 events	1024	1018	2722	1099	2041	2712
rejected events	28272	27177	21933	27095	19232	28102		3%	3%	6%	3%	6%	7%
rejected %	91%	91%	53%	90%	57%	77%	grade 1 events	21	16	169	8	33	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	658	580	6231	645	3201	2040
								2%	1%	15%	2%	9%	5%
							grade 3 events	273	323	869	331	1346	1015
								0%	1%	2%	1%	4%	2%
							grade 4 events	296	290	830	323	1409	897
								0%	0%	2%	1%	4%	2%
							grade 5 events	968	1089	3046	1115	3398	1609
								3%	3%	7%	3%	10%	4%
							grade 6 events	541	532	10363	639	7841	2339
								1%	1%	25%	2%	23%	6%
							grade 7 events	27030	25834	16688	25682	14328	25571
								87%	87%	40%	86%	42%	70%

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	24.419747	24.44208509389529	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.095289	24.07691263368949	Alternating exposures requested	N	N
[deg] Pointing Roll	286.882731	287.030243747603	[s] Primary exposure time	0.000000	3.2
[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	315575037.184000	315574660.60491			
Observation start date	2008-01-01T11:42:52	2008-01-01T11:37:40			
[s] Observation end time (MET)	315578037.184000	315578170.71758			
Observation end date	2008-01-01T12:32:52	2008-01-01T12:36:10			
Read mode	TIMED	TIMED			

2.3 Aspect



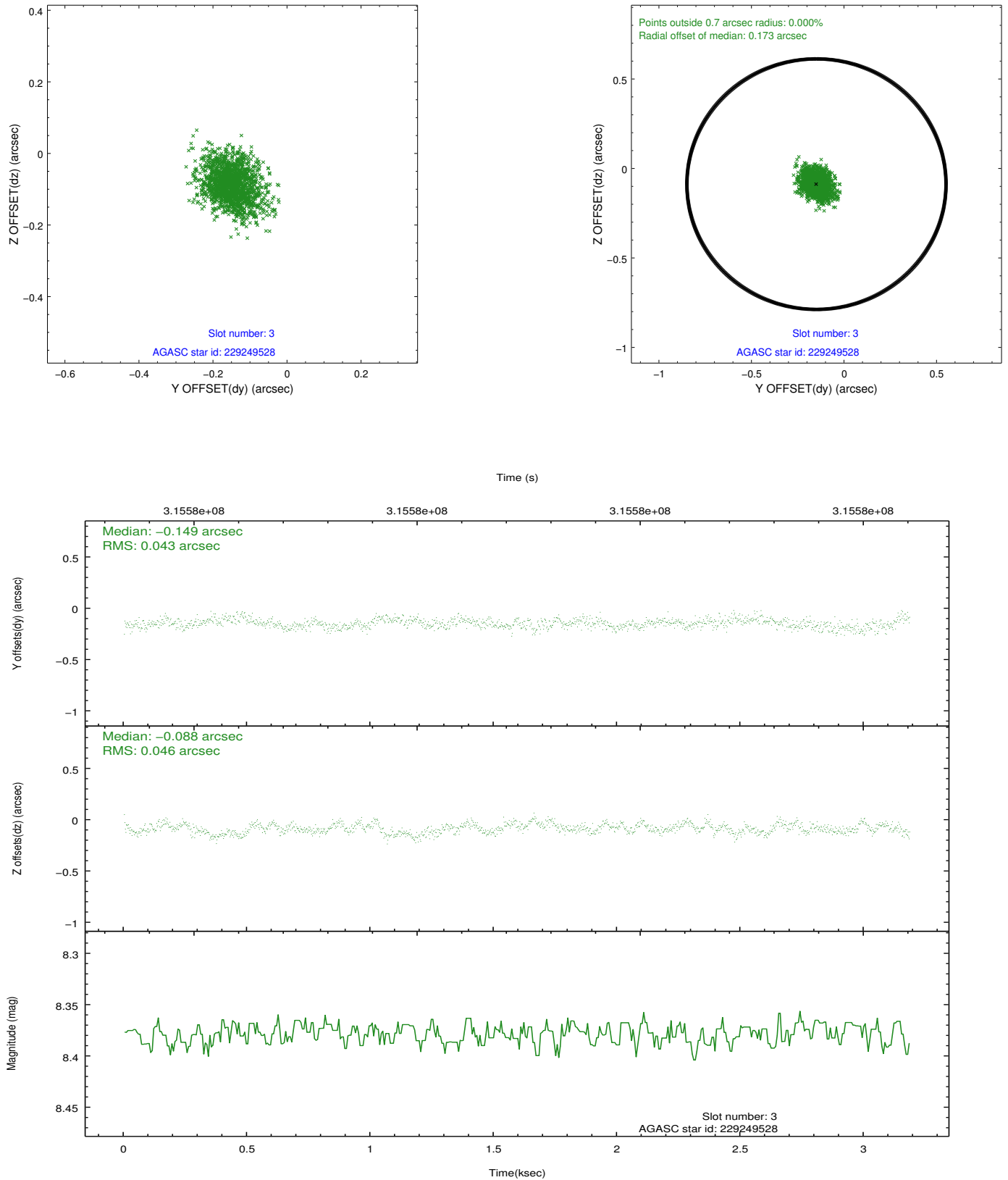


Slot Statistics

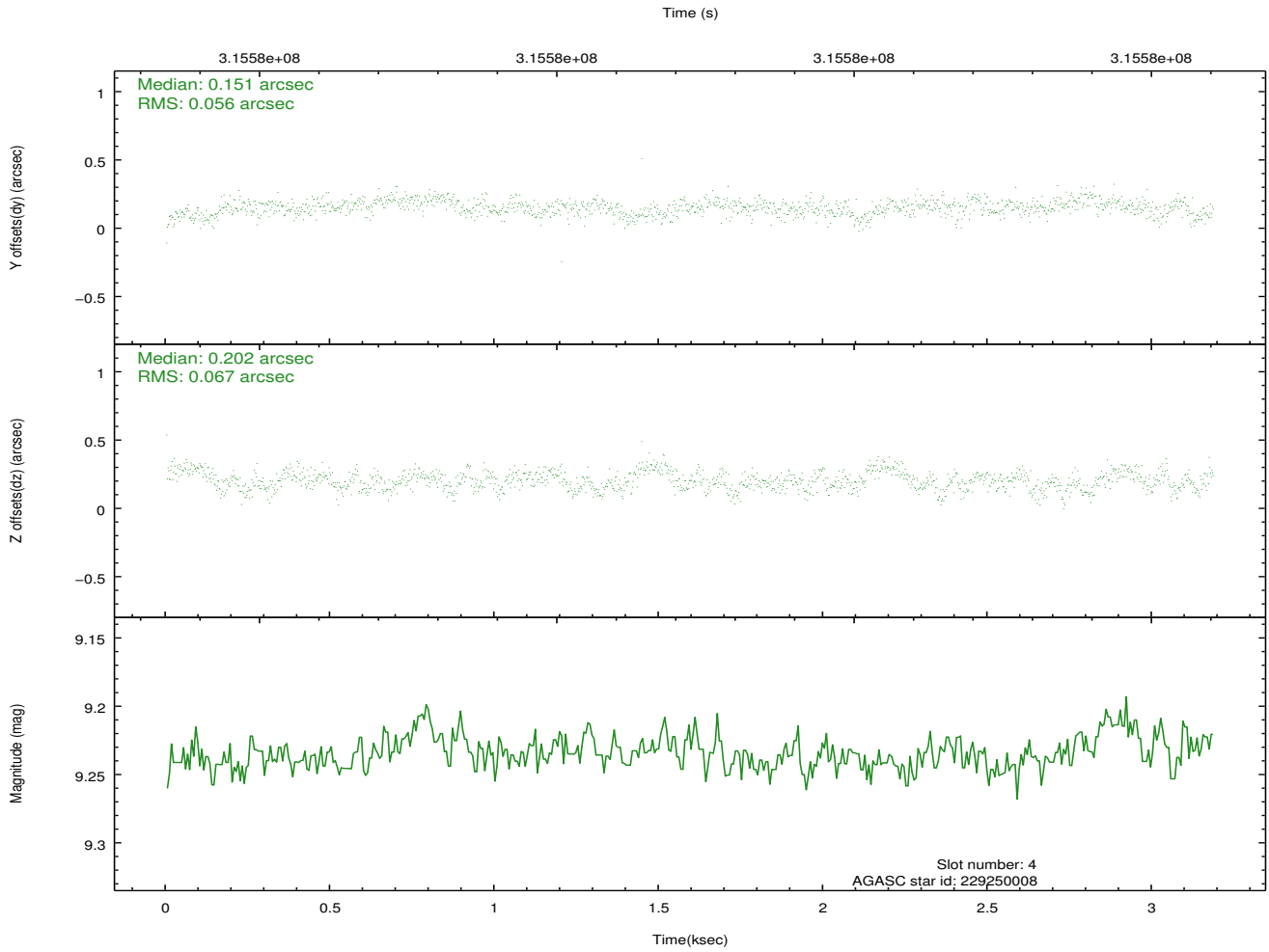
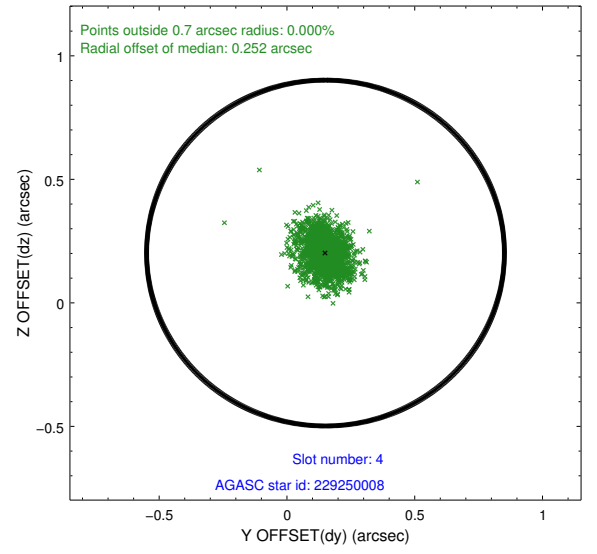
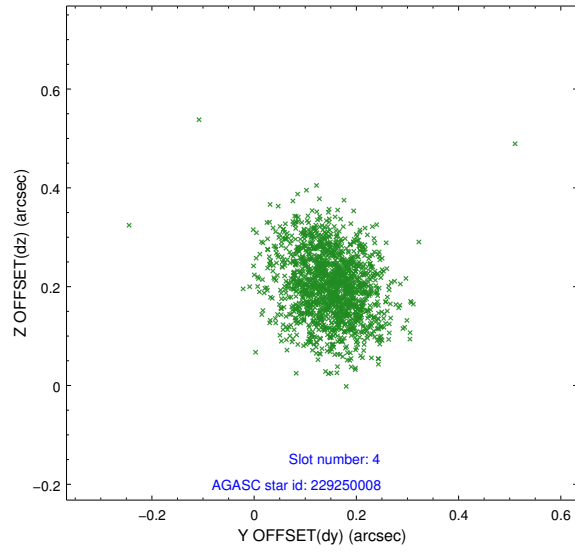
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	777	-0.042	-0.042	0.007	0.010	0.000000	0.000000	-765.42	-1735.61
1	FID	ACIS-S-4	7.19	777	0.142	0.031	0.006	0.010	0.000000	0.000000	2147.11	170.89
2	FID	ACIS-S-5	7.23	777	-0.131	0.019	0.006	0.011	0.000000	0.000000	-1815.81	166.79
3	GUIDE	229249528	8.38	1554	-0.149	-0.088	0.066	0.108	24.395659	24.629567	-1863.53	482.81
4	GUIDE	229250008	9.23	1550	0.151	0.202	0.091	0.148	24.918884	24.309304	-265.70	1791.88
5	GUIDE	229252392	8.73	1554	0.155	-0.074	0.090	0.147	24.062418	24.367790	-1280.52	-835.16
6	GUIDE	229252752	8.37	1553	-0.122	0.019	0.064	0.101	24.225654	24.410043	-1270.38	-280.43
7	GUIDE	229260264	8.14	1553	-0.035	-0.067	0.065	0.100	24.999207	23.744859	1756.99	1461.59

2.4 Star Slots

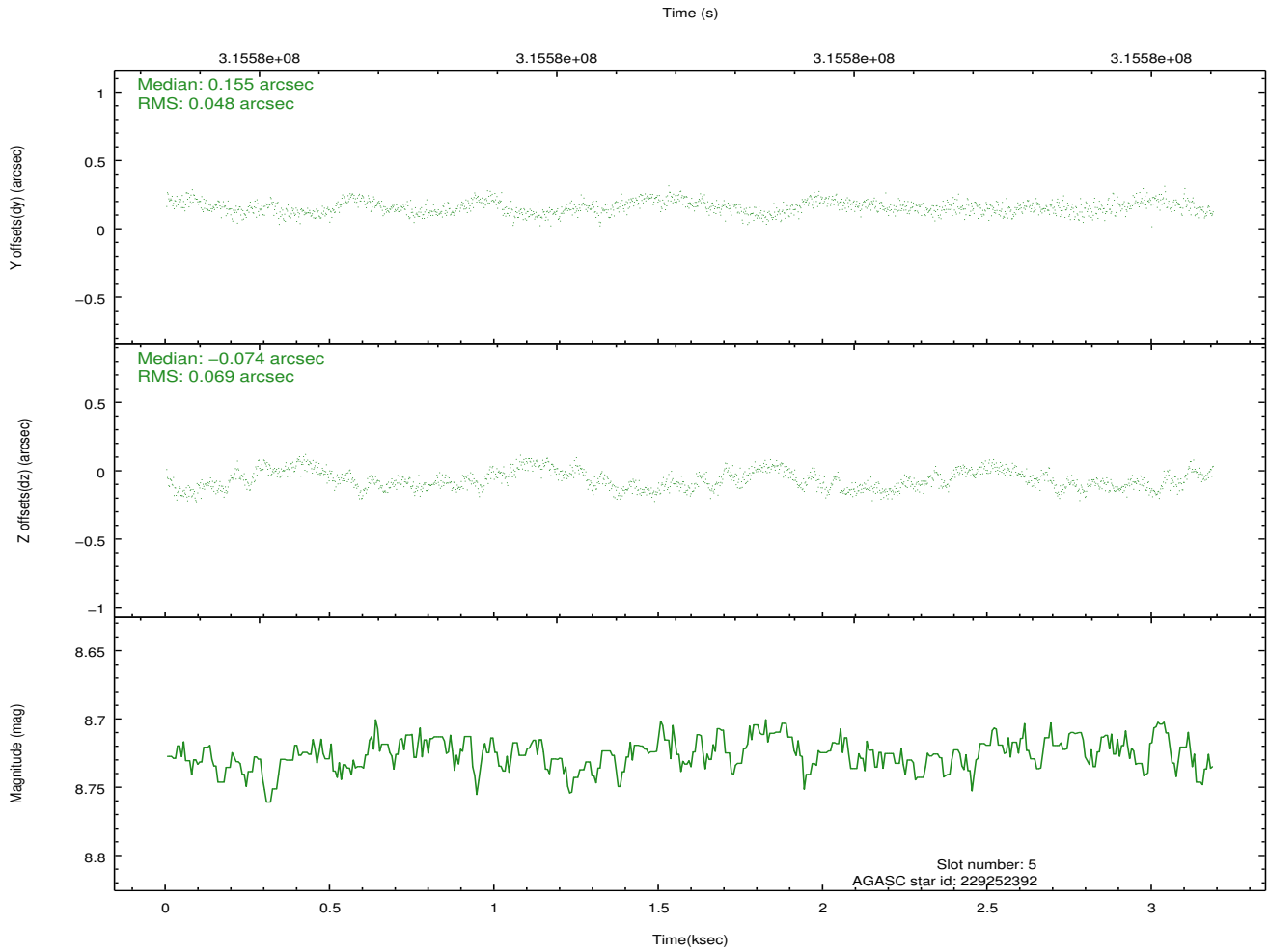
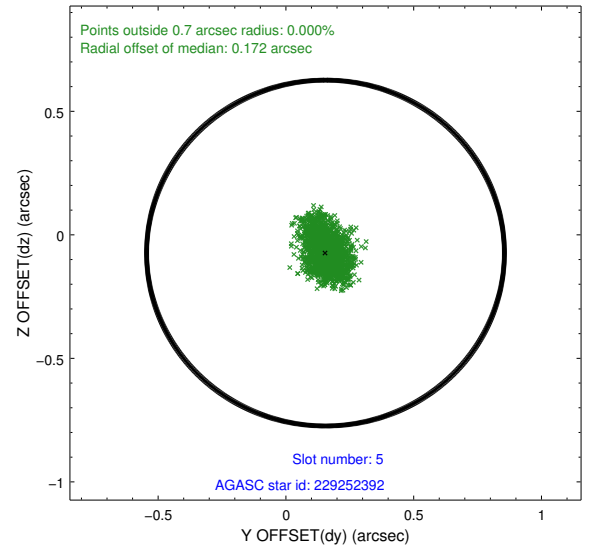
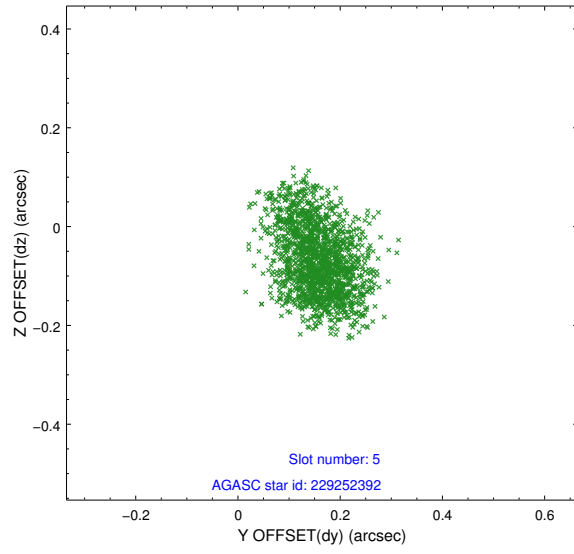
2.4.1 Slot 3



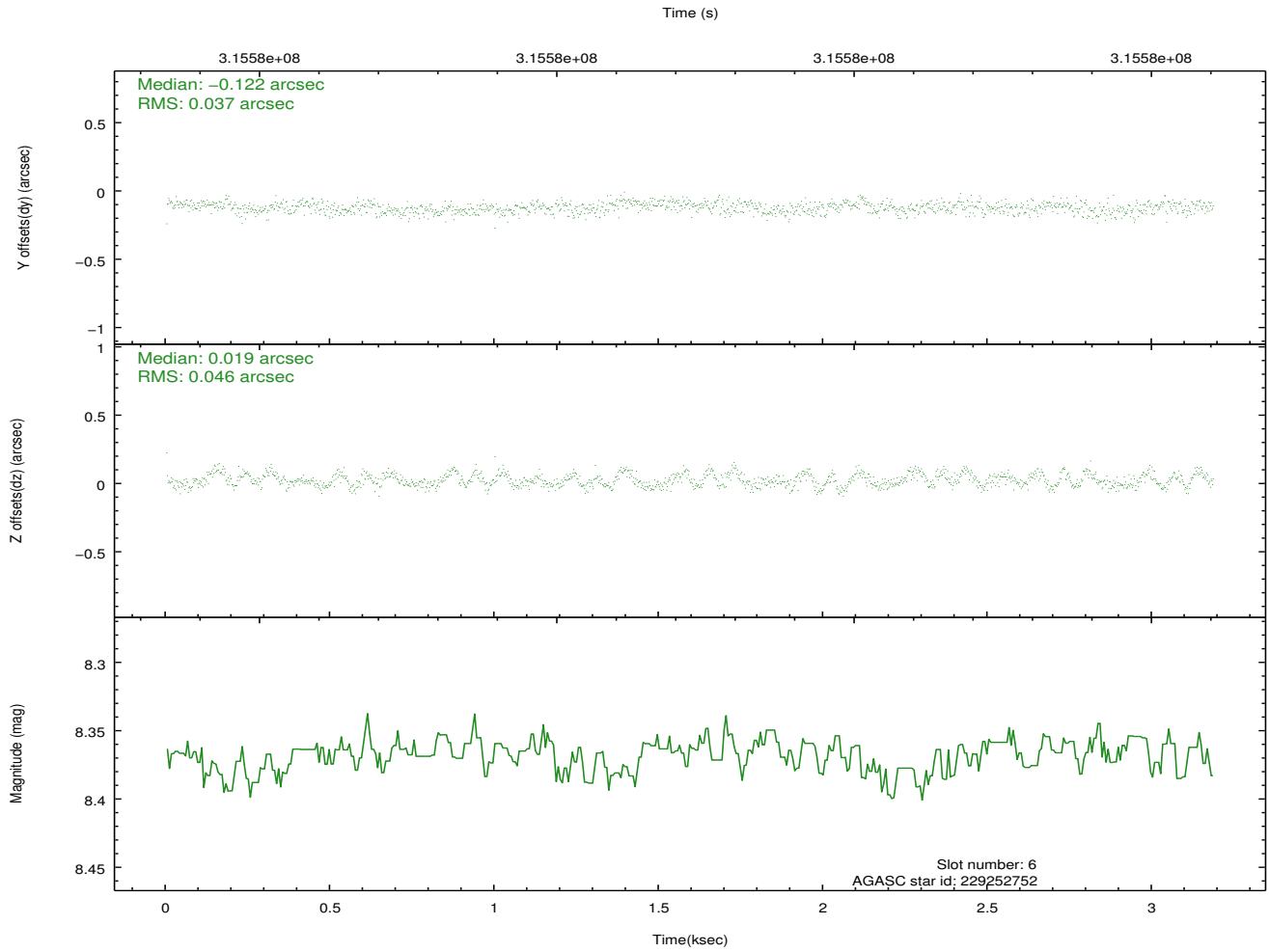
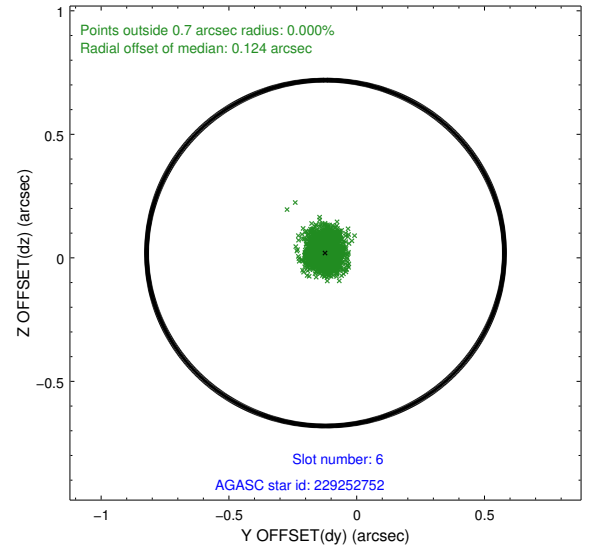
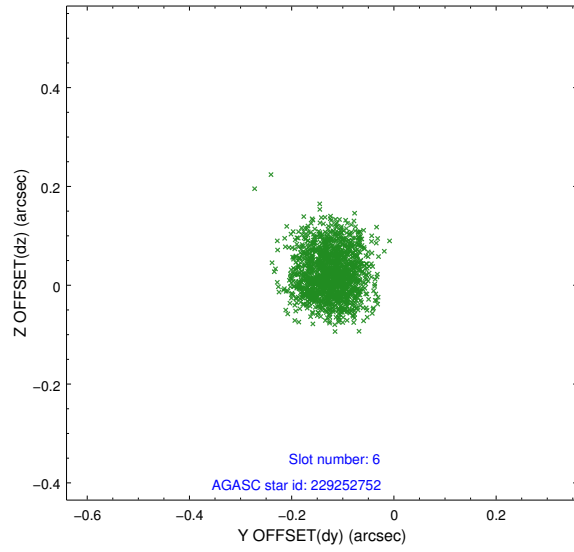
2.4.2 Slot 4



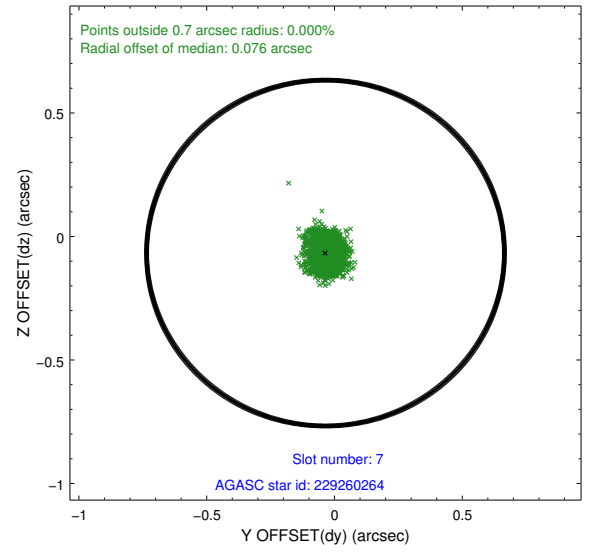
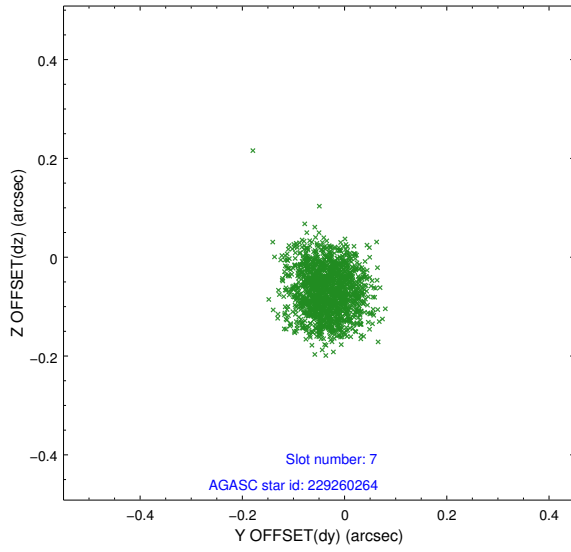
2.4.3 Slot 5



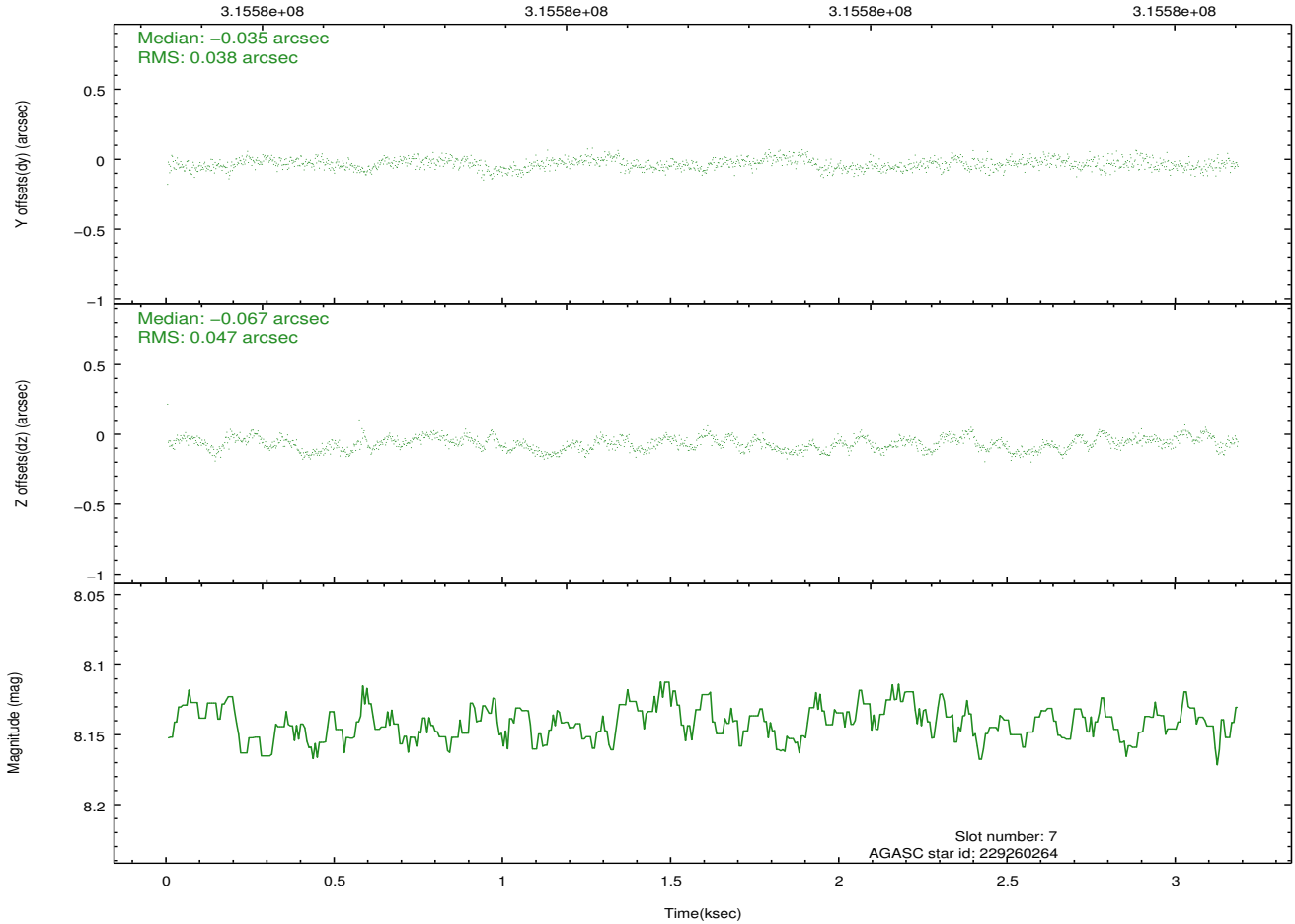
2.4.4 Slot 6



2.4.5 Slot 7

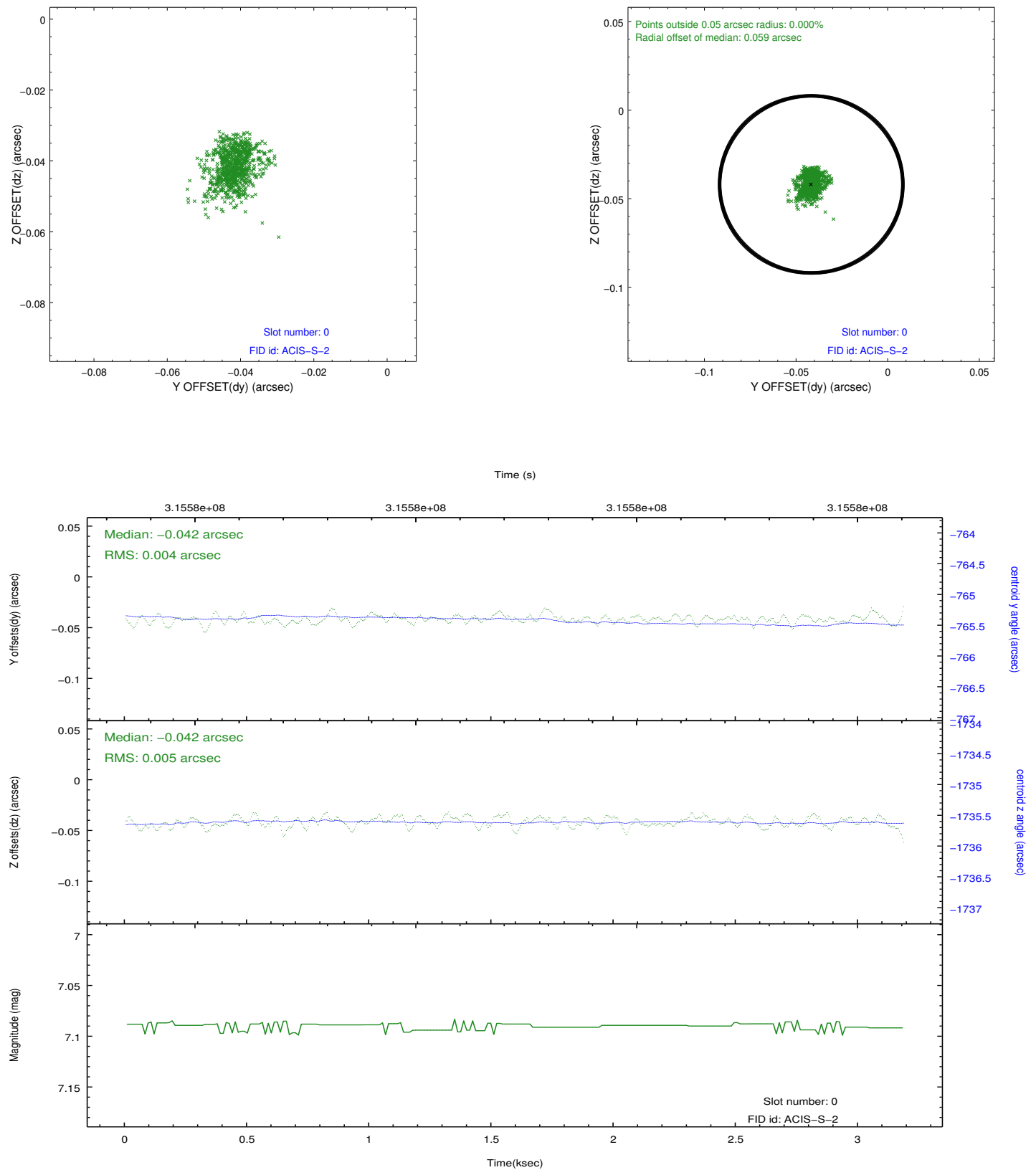


Time (s)

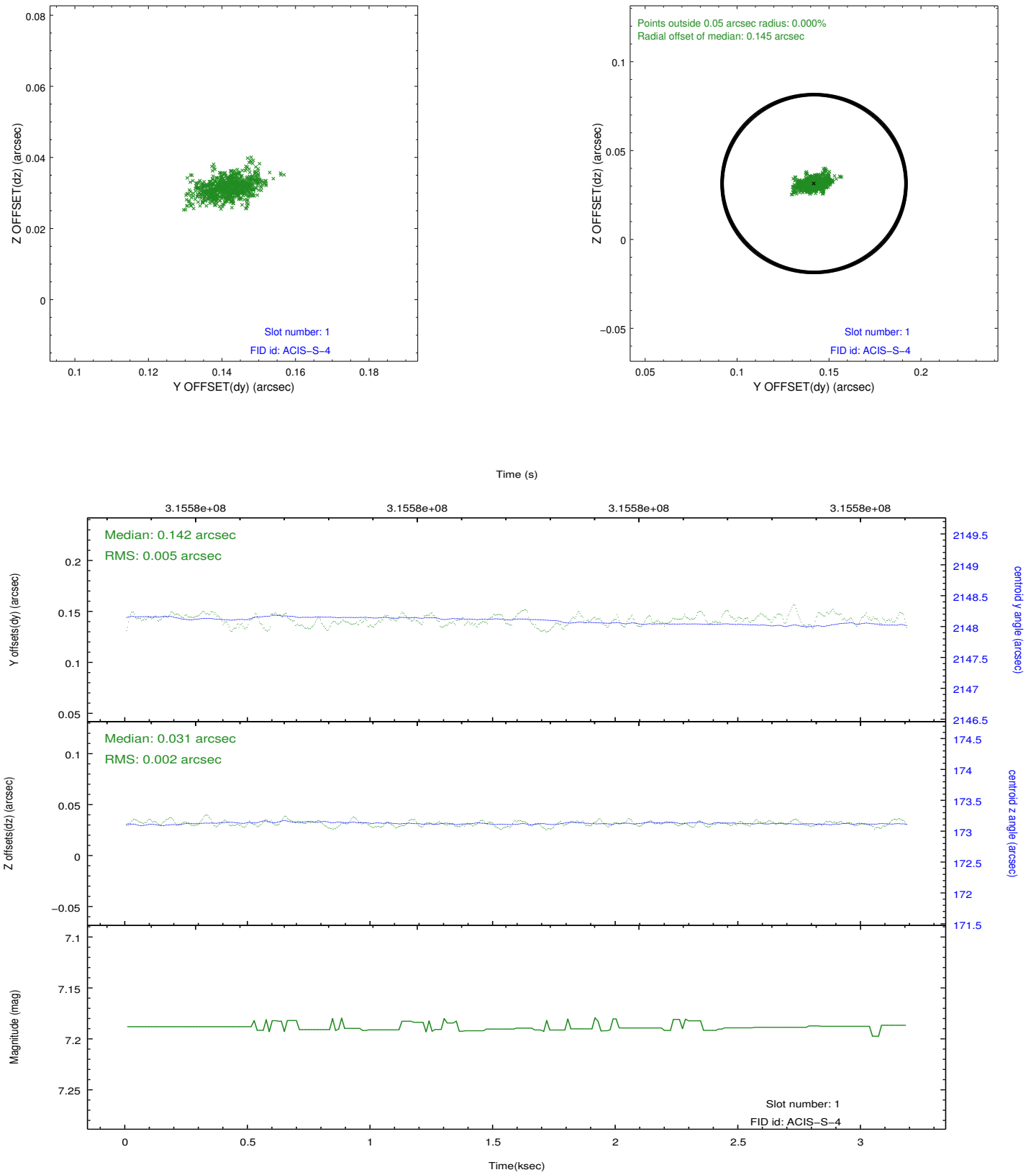


2.5 FID Slots

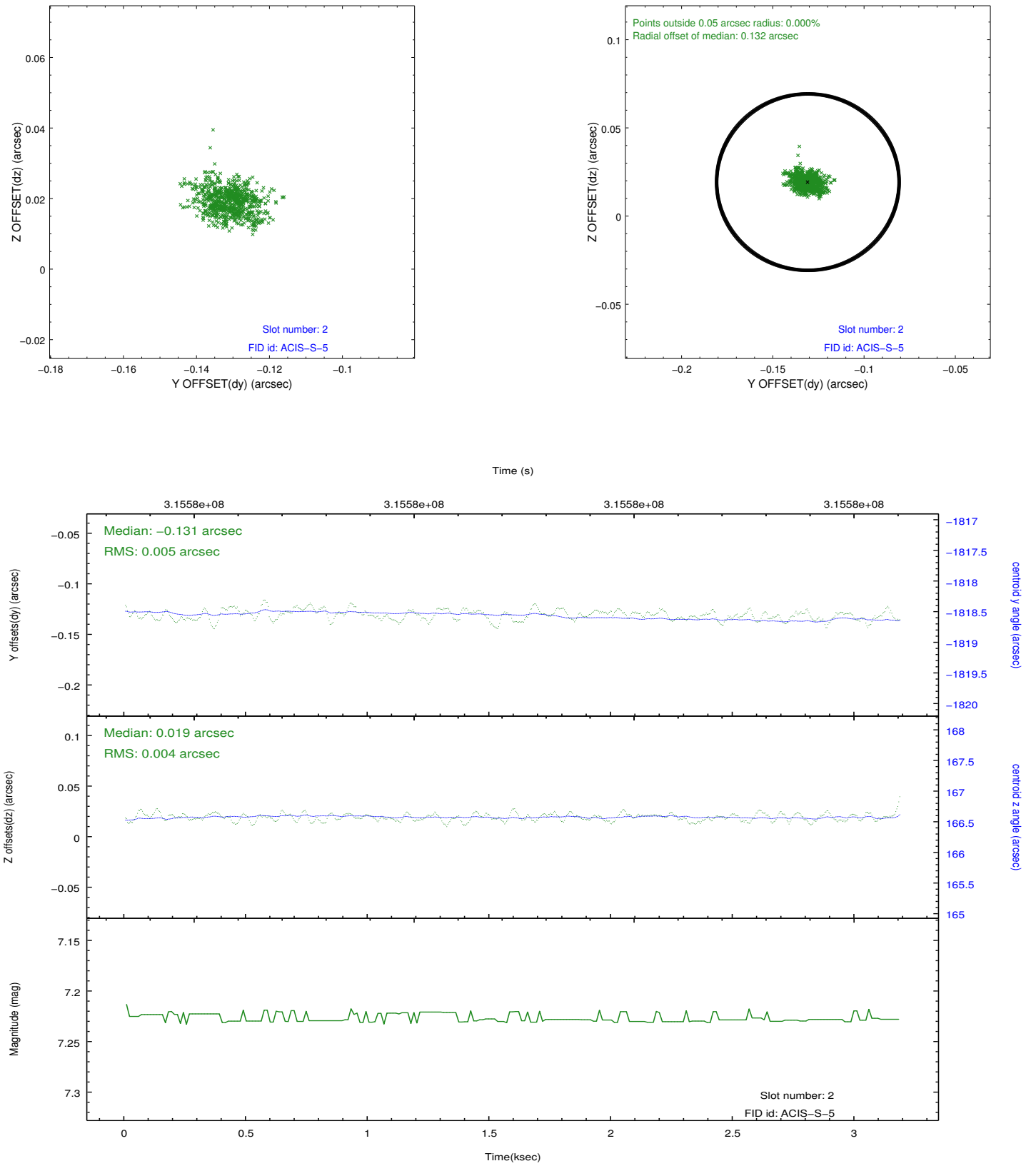
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18399998

A.2 Comments

Window preference met.