

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8891 - L2 Version 2
Chandra X-Ray Center

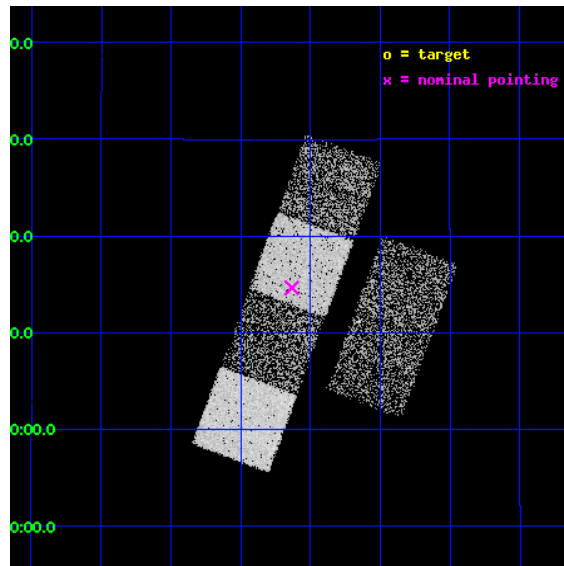
L2 Processing Date : May 7 2012

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1 Front

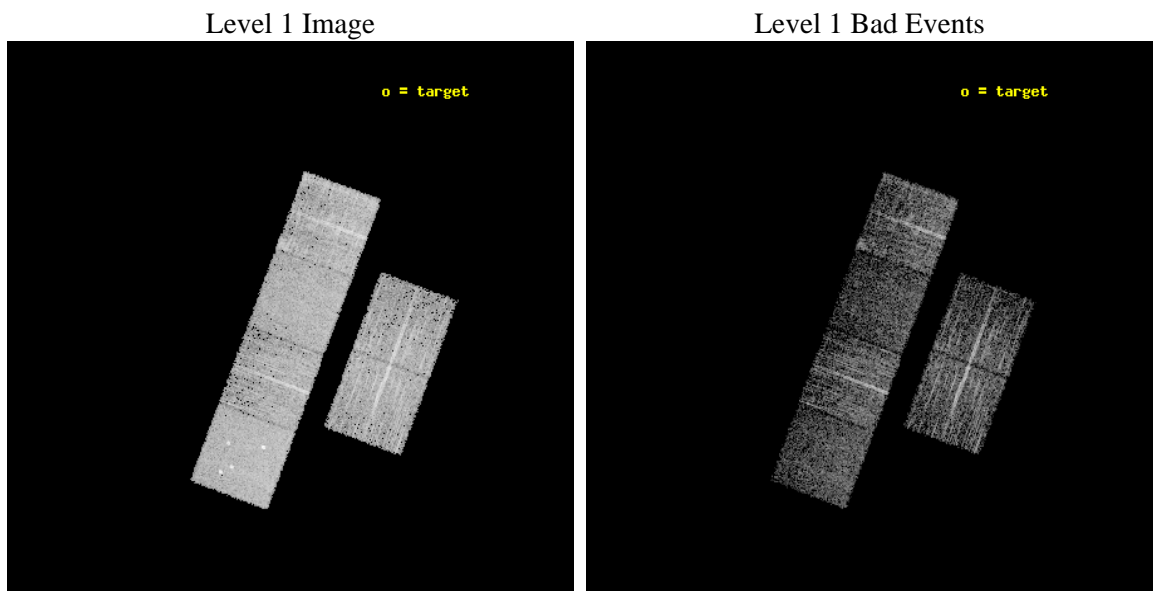
seq_num	100070	Sequence number
obs_id	8891	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	26.78320879178	Nominal RA [deg]
dec_nom	13.244159990111	Nominal Dec [deg]
roll_nom	290.37660168431	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3174.399988234	Sum of GTIs [s]
liveltime	3134.2038241888	Livetime [s]
ontime2	3174.399988234	Sum of GTIs [s]
ontime3	3174.399988234	Sum of GTIs [s]
ontime5	3174.399988234	Sum of GTIs [s]
ontime6	3174.399988234	Sum of GTIs [s]
ontime7	3174.399988234	Sum of GTIs [s]
ontime8	3171.1590079069	Sum of GTIs [s]
l2events	39760	Number of level 2 events



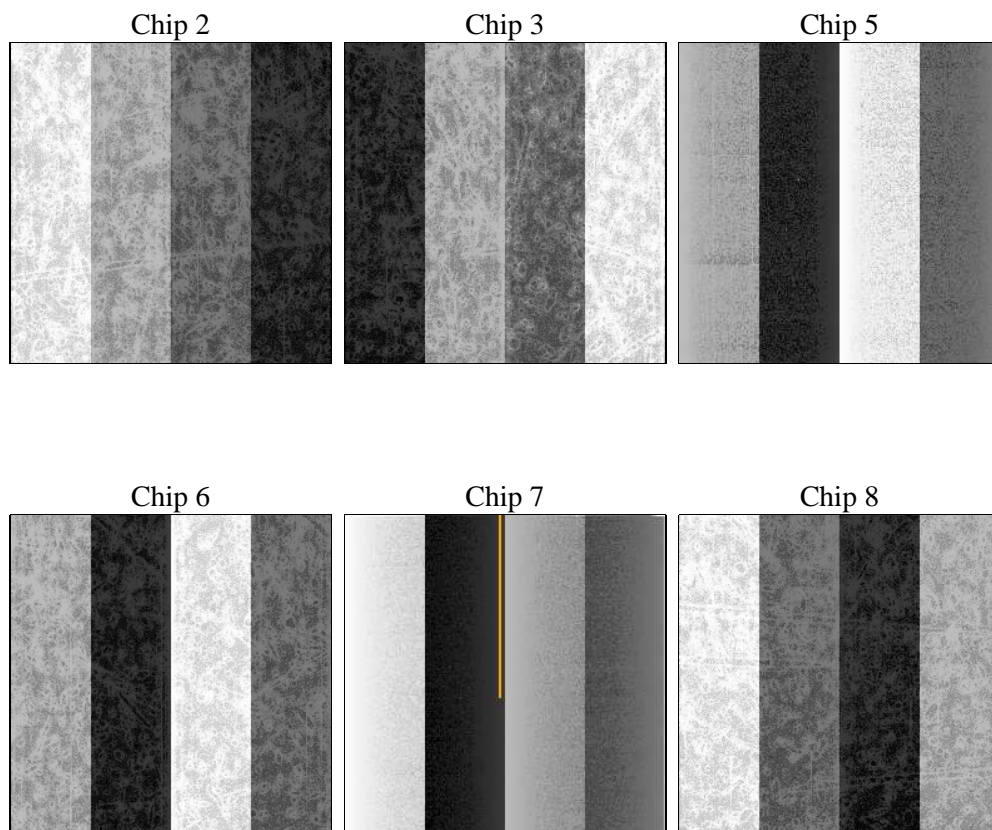
2 OBI

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	3174.399988234	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3174.399988234	Sum of GTIs [s]
date	2012-05-07T14:35:09	Date and time of file creation	ontime3	3174.399988234	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3174.399988234	Sum of GTIs [s]
			ontime6	3174.399988234	Sum of GTIs [s]
			ontime7	3174.399988234	Sum of GTIs [s]
			ontime8	3171.1590079069	Sum of GTIs [s]
			l1events	192807	Number of level 1 events

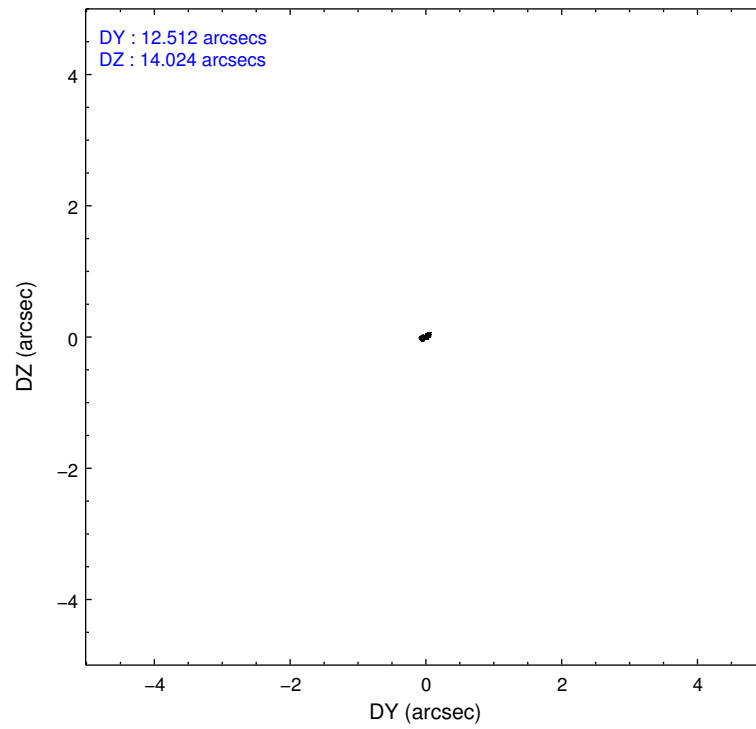
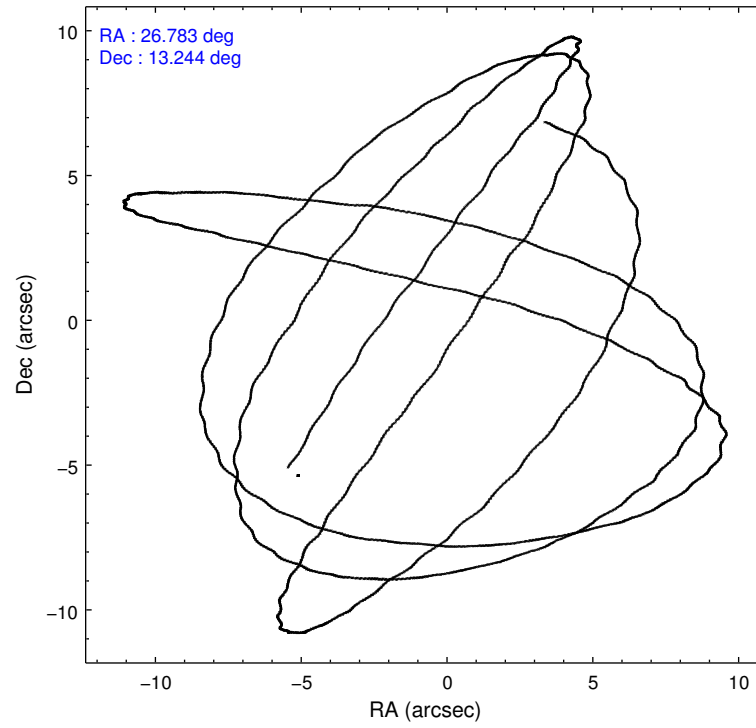
2.1.4 Events

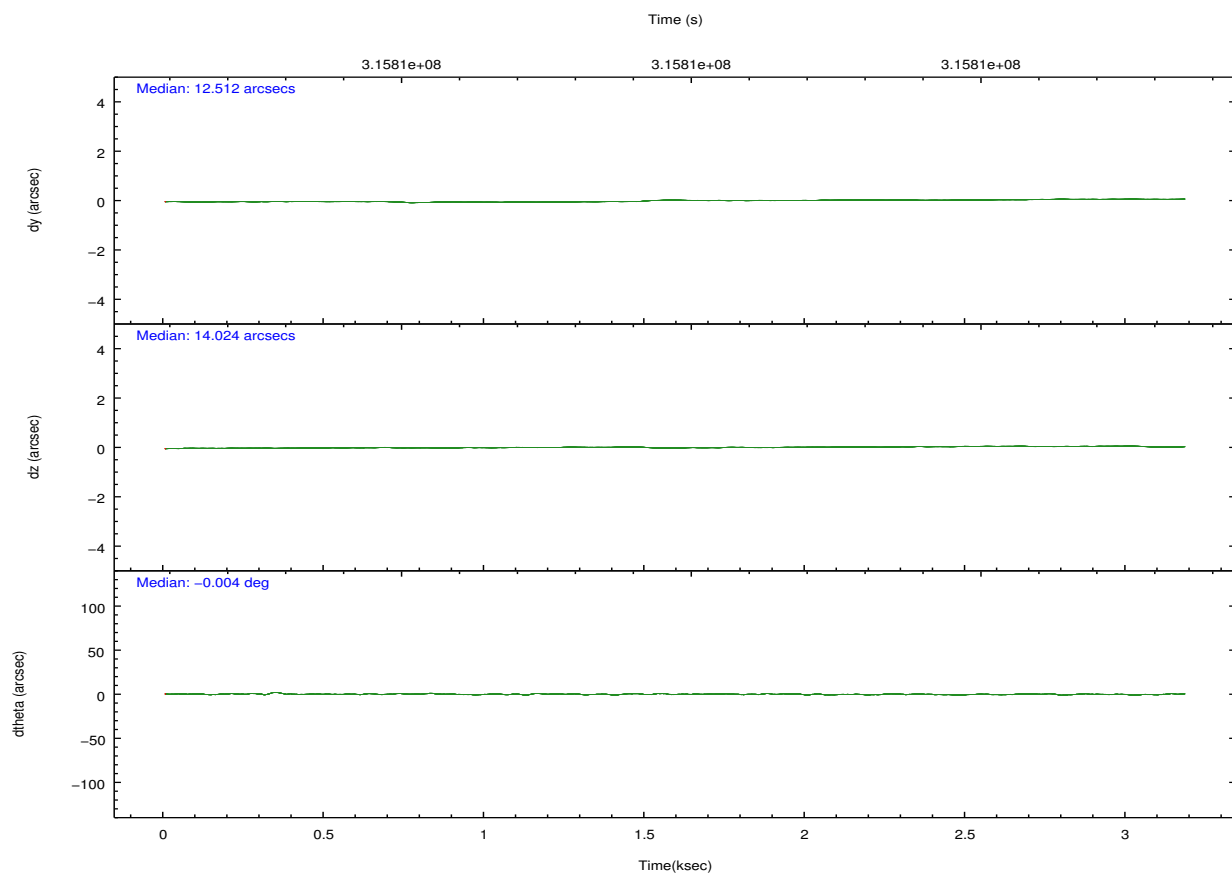
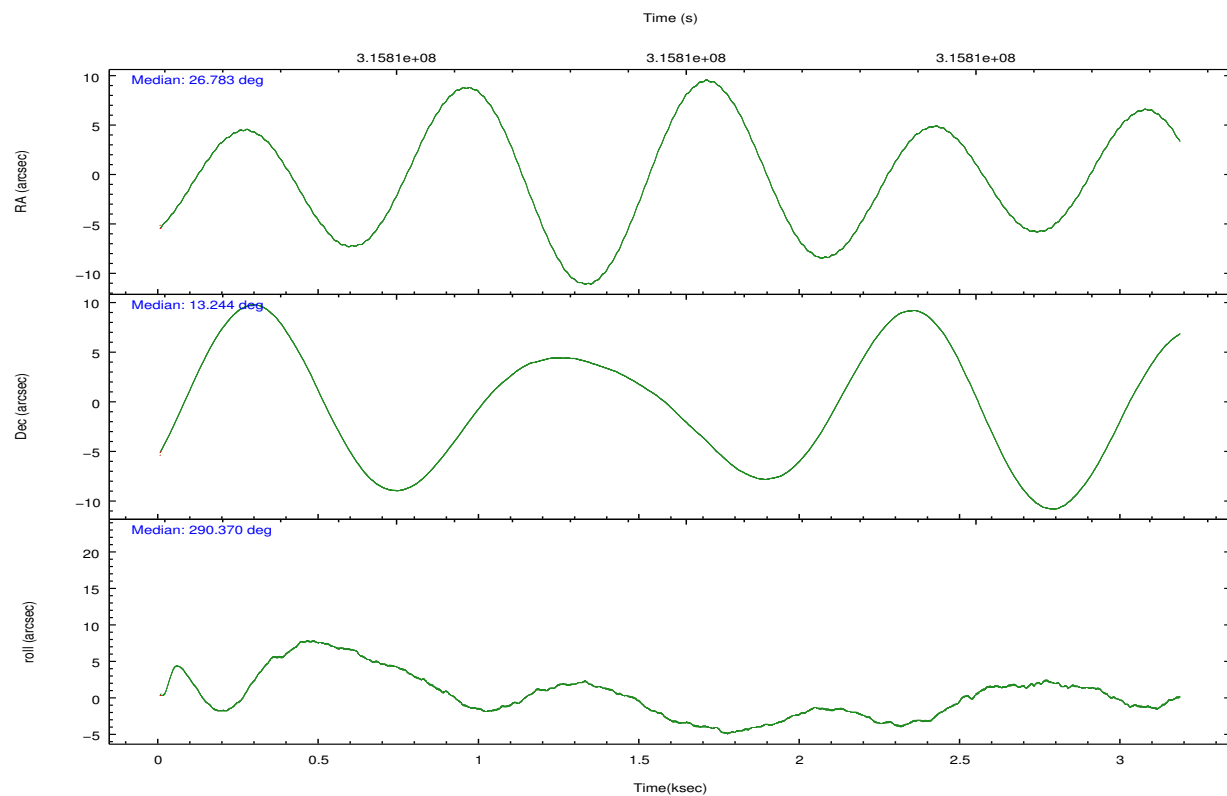
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30532	25807	39421	29233	31497	36317	grade 0 events	1014	970	2592	1018	1416	2766
rejected events	27868	23292	20625	26525	17869	28189		3%	3%	6%	3%	4%	7%
rejected %	91%	90%	52%	90%	56%	77%	grade 1 events	15	15	92	20	51	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	662	592	5693	661	3043	1852
								2%	2%	14%	2%	9%	5%
							grade 3 events	281	290	828	301	1325	1016
								0%	1%	2%	1%	4%	2%
							grade 4 events	306	314	772	304	1276	881
								1%	1%	1%	1%	4%	2%
							grade 5 events	1019	1148	3072	1127	3331	1688
								3%	4%	7%	3%	10%	4%
							grade 6 events	568	503	10046	608	7349	2025
								1%	1%	25%	2%	23%	5%
							grade 7 events	26667	21975	16326	25194	13706	26055
								87%	85%	41%	86%	43%	71%

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	26.761208	26.78320879178	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.261242	13.24415999011097	Alternating exposures requested	N	N
[deg] Pointing Roll	290.225022	290.3766016843057	[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)	315805531.184000	315805155.44107			
Observation start date	2008-01-04T03:44:26	2008-01-04T03:39:15			
[s] Observation end time (MET)	315808531.184000	315809695.16629			
Observation end date	2008-01-04T04:34:26	2008-01-04T04:54:55			
Read mode	TIMED	TIMED			

2.3 Aspect



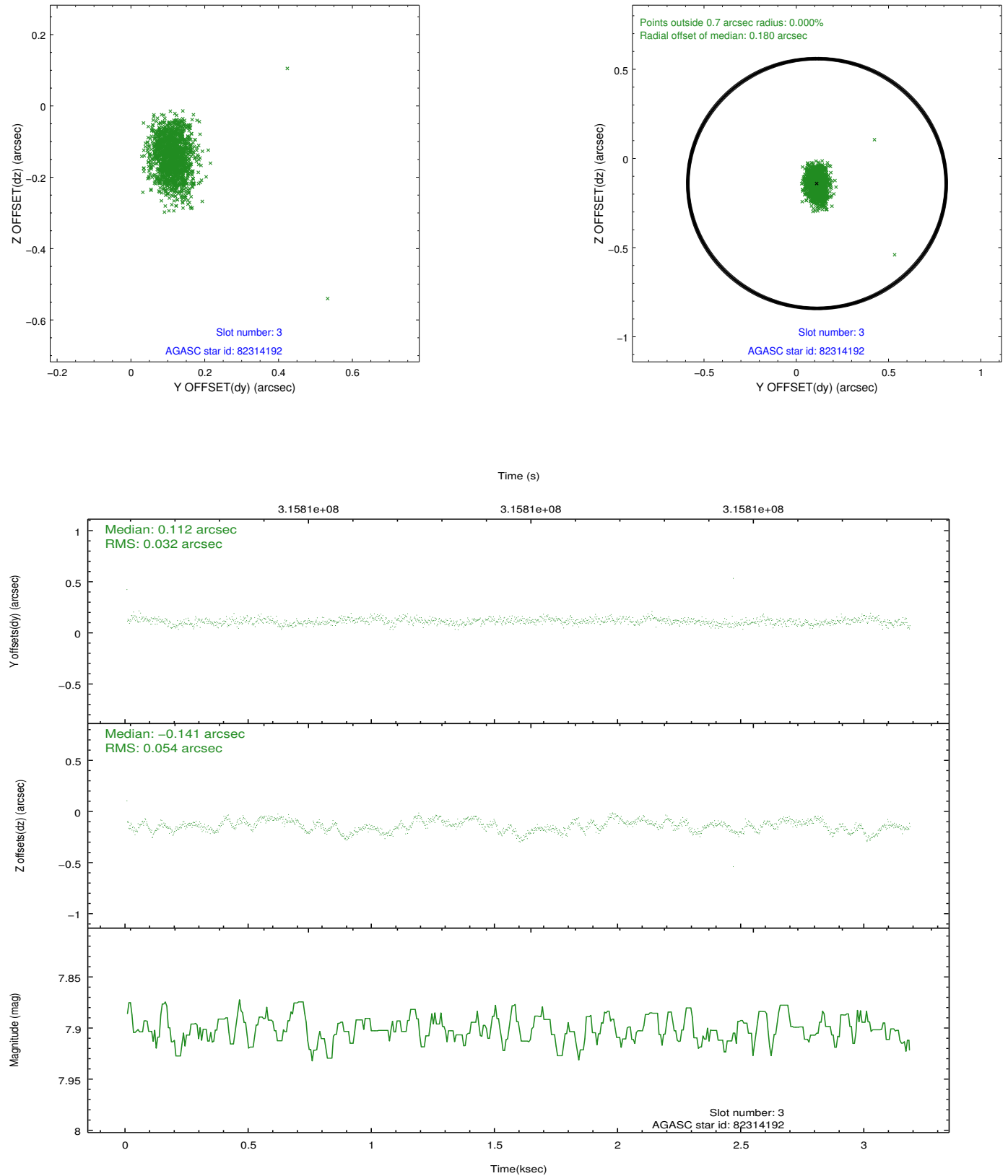


Slot Statistics

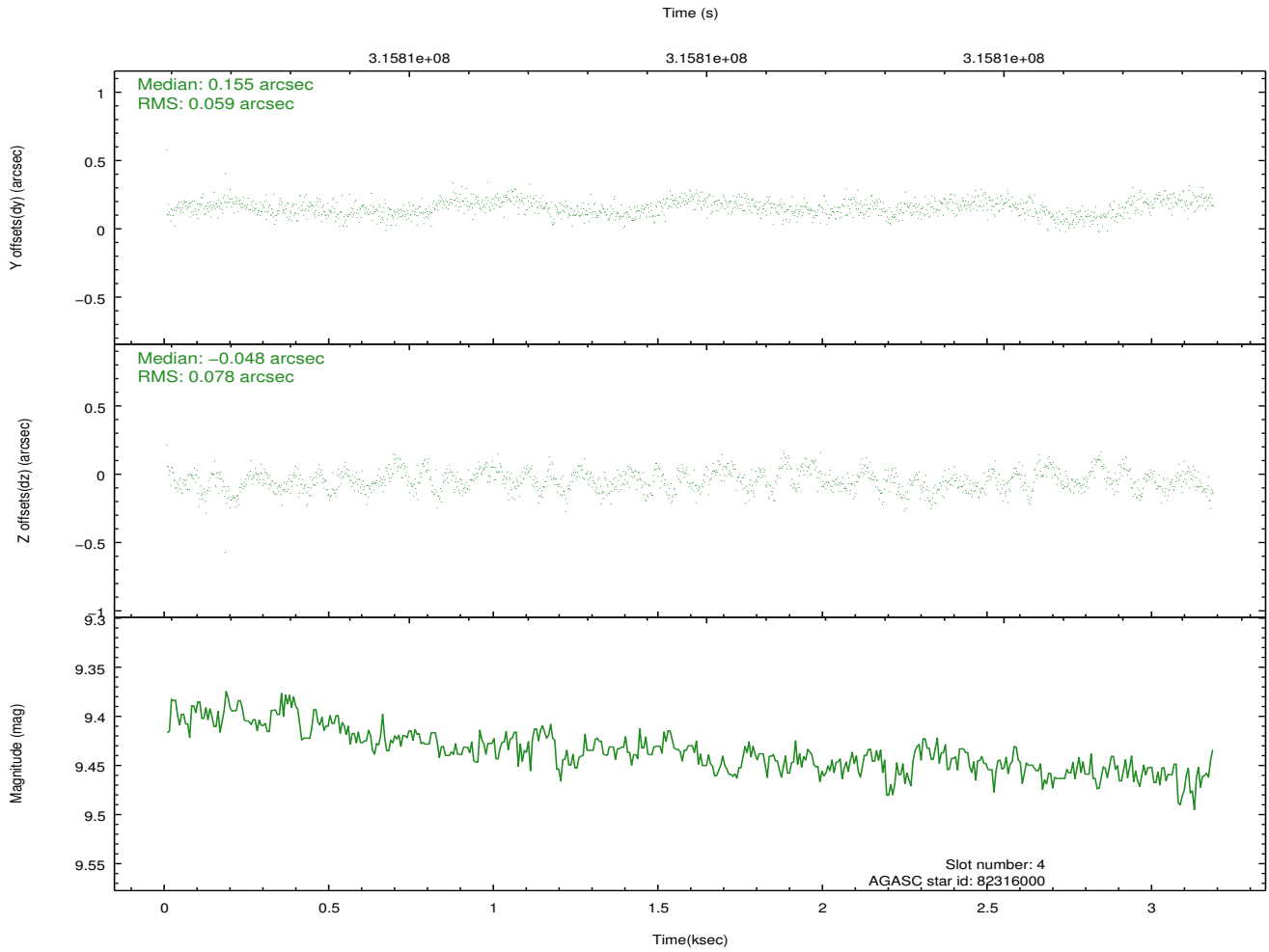
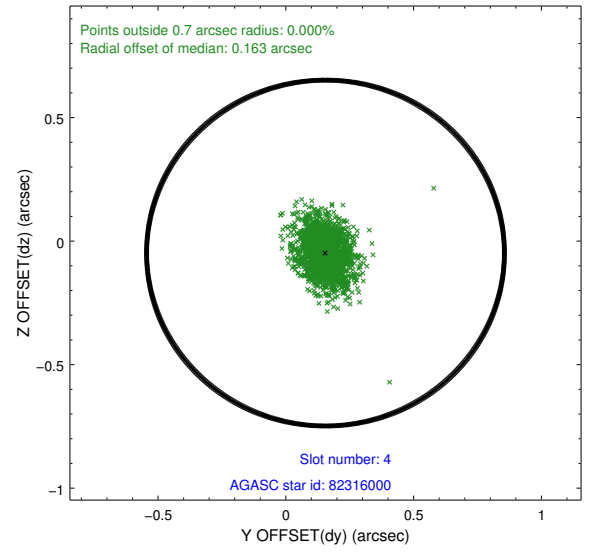
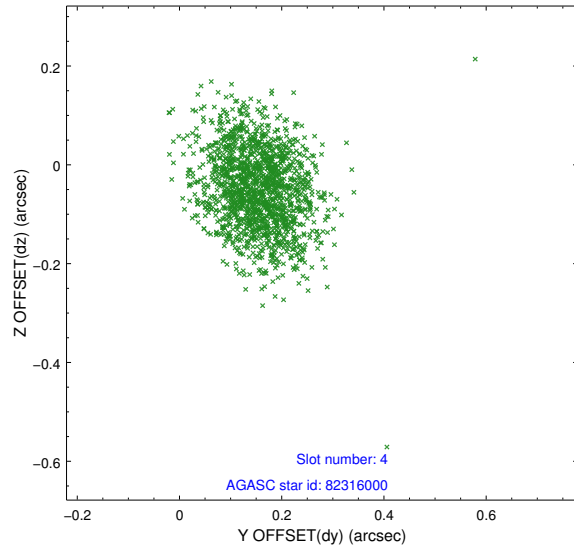
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	776	-0.037	-0.048	0.006	0.011	0.000000	0.000000	-765.43	-1735.43
1	FID	ACIS-S-4	7.19	776	0.140	0.031	0.006	0.010	0.000000	0.000000	2147.10	171.07
2	FID	ACIS-S-5	7.23	776	-0.134	0.026	0.006	0.012	0.000000	0.000000	-1815.81	166.99
3	GUIDE	82314192	7.90	1552	0.112	-0.141	0.065	0.104	26.874650	12.975357	1103.77	17.76
4	GUIDE	82316000	9.44	1551	0.155	-0.048	0.103	0.168	26.369210	12.906952	721.99	-1731.44
5	GUIDE	82320864	9.61	1552	-0.100	-0.019	0.133	0.210	25.985283	13.465729	-1632.94	-2294.59
6	GUIDE	82321656	9.10	1548	-0.270	0.201	0.097	0.161	27.163343	14.060984	-2217.30	2313.02
7	GUIDE	82323952	8.83	1549	0.097	0.006	0.086	0.136	26.900745	13.189995	408.77	371.45

2.4 Star Slots

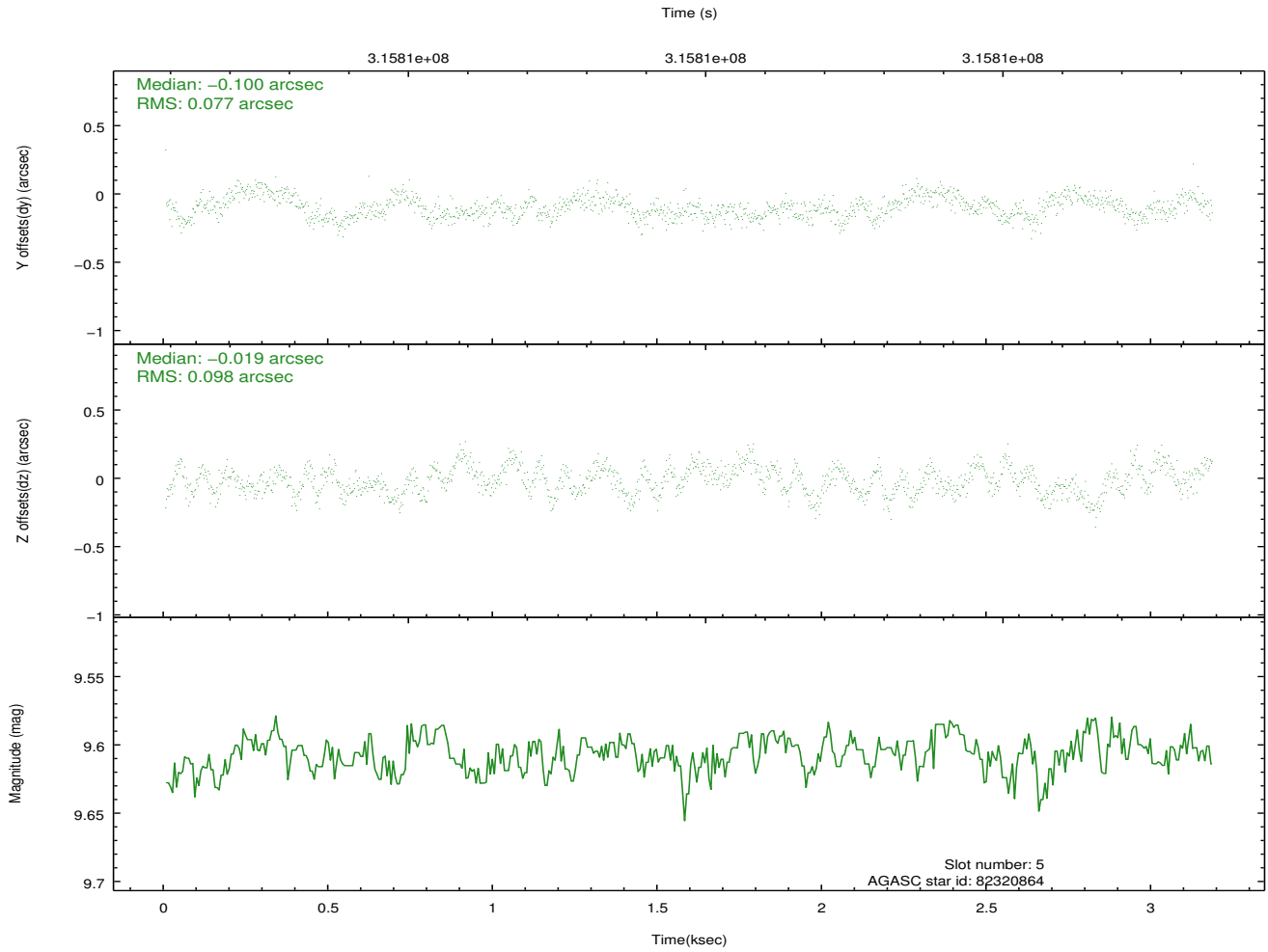
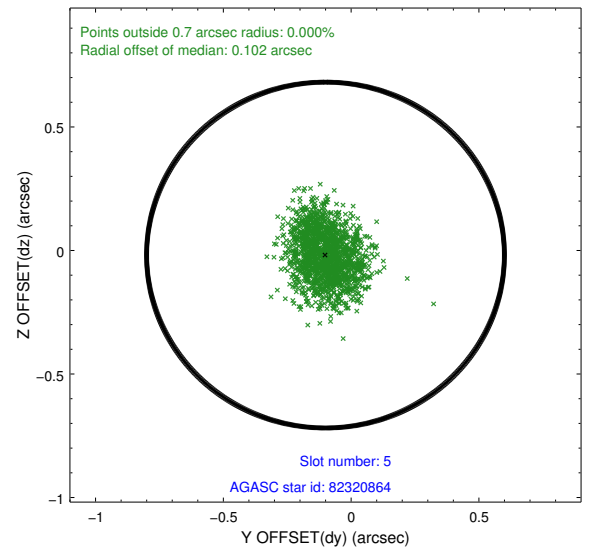
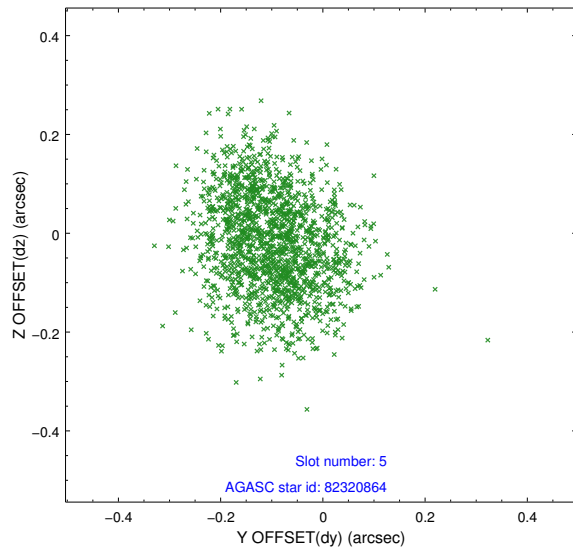
2.4.1 Slot 3



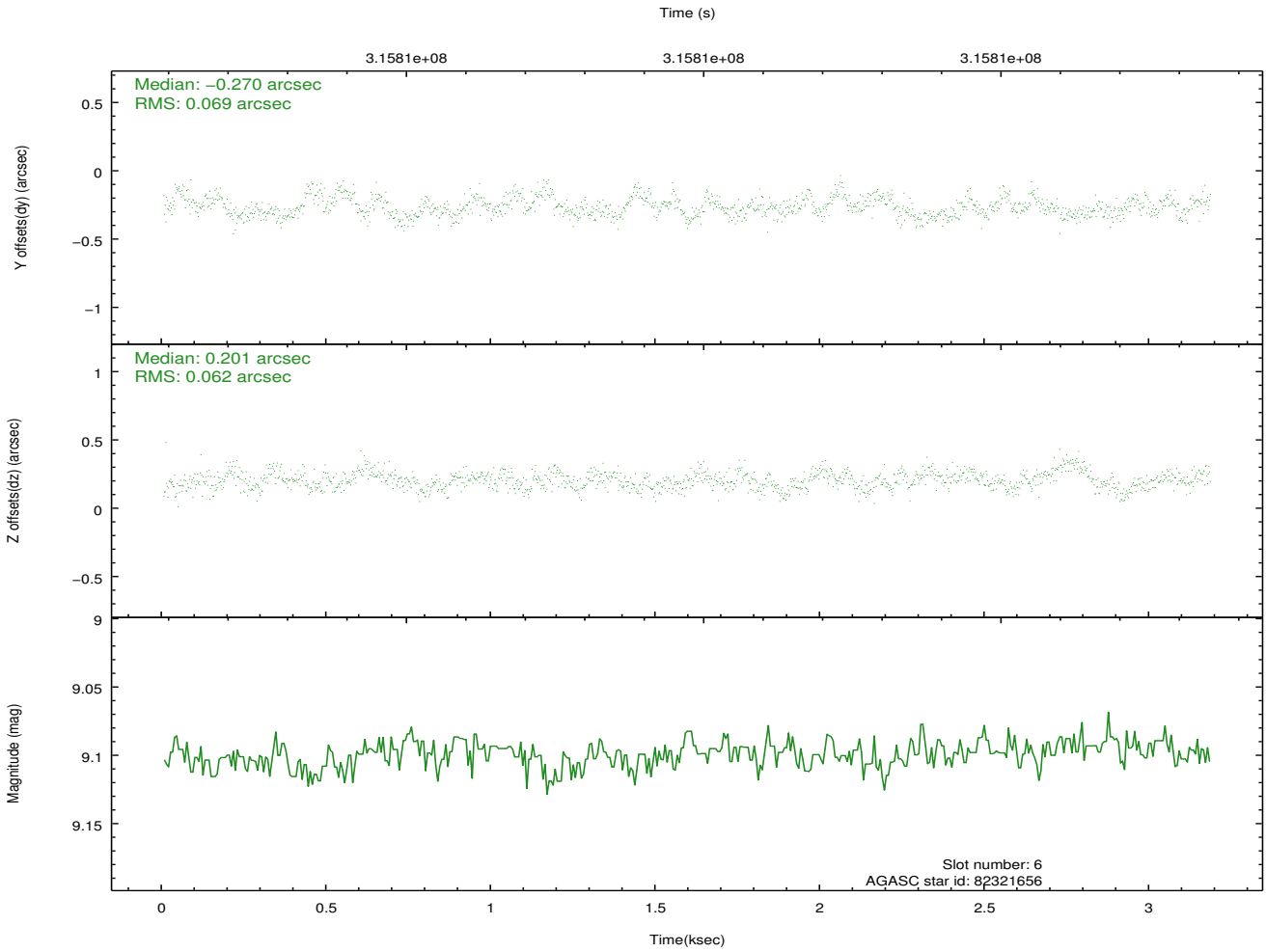
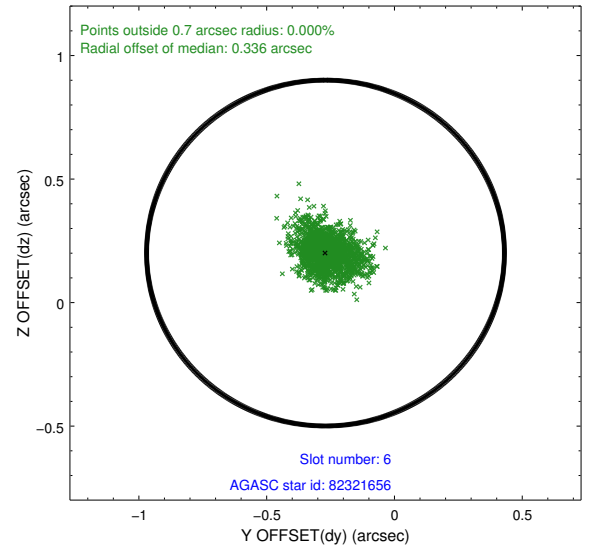
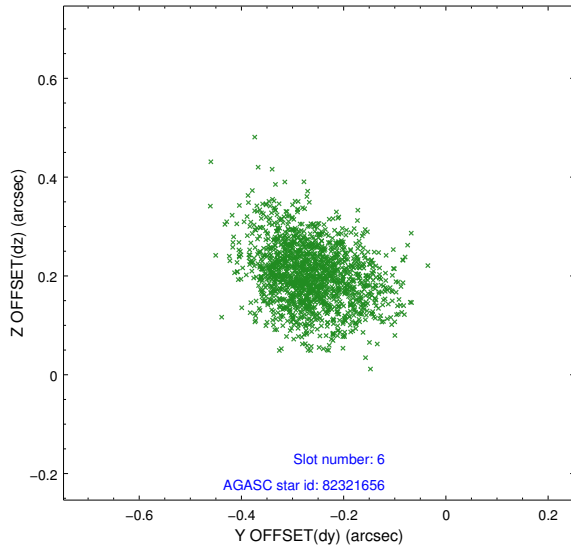
2.4.2 Slot 4



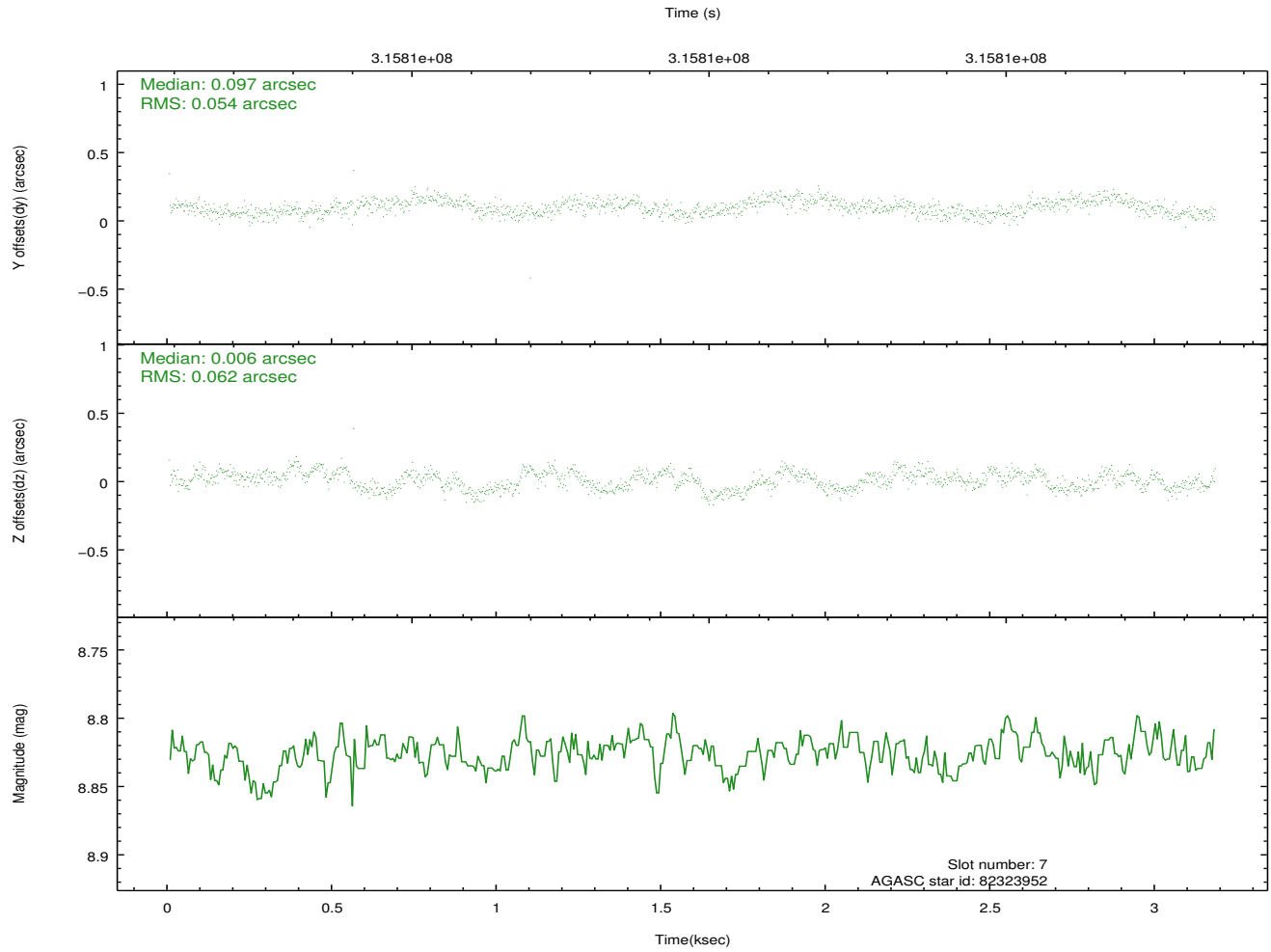
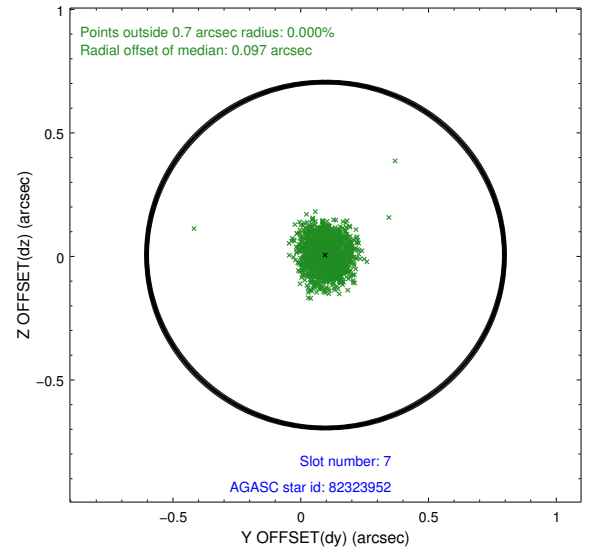
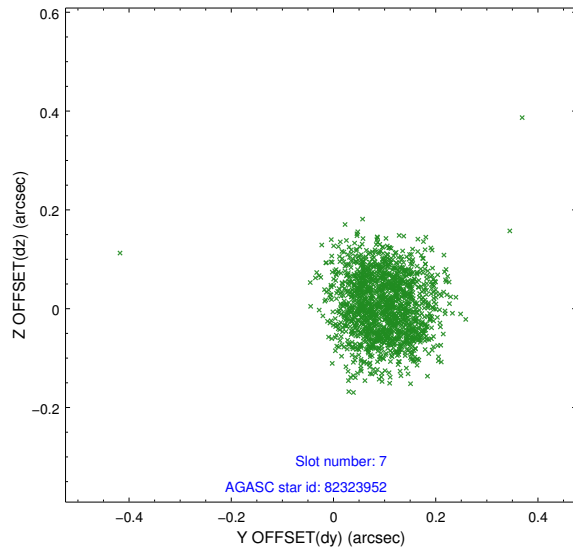
2.4.3 Slot 5



2.4.4 Slot 6

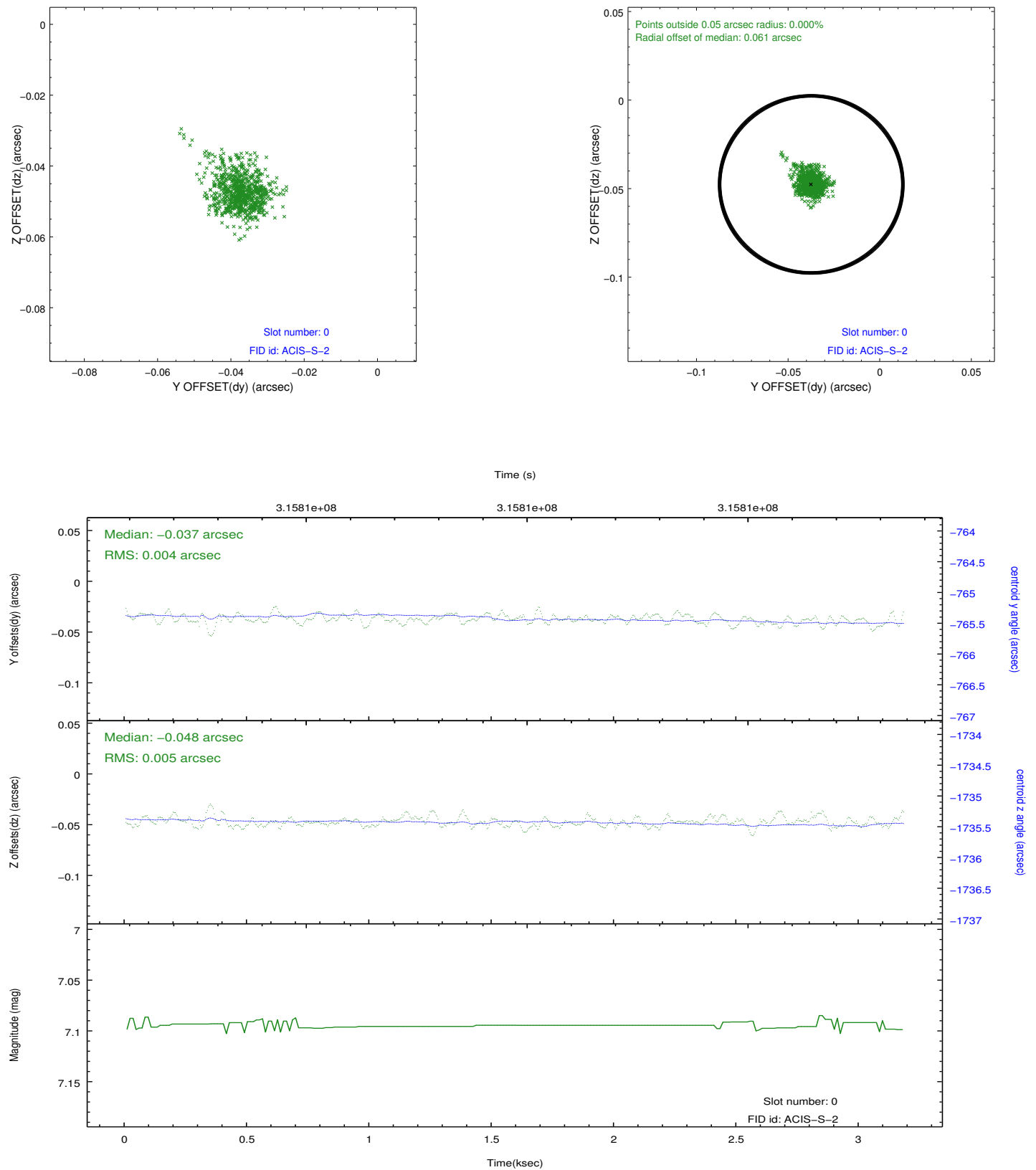


2.4.5 Slot 7

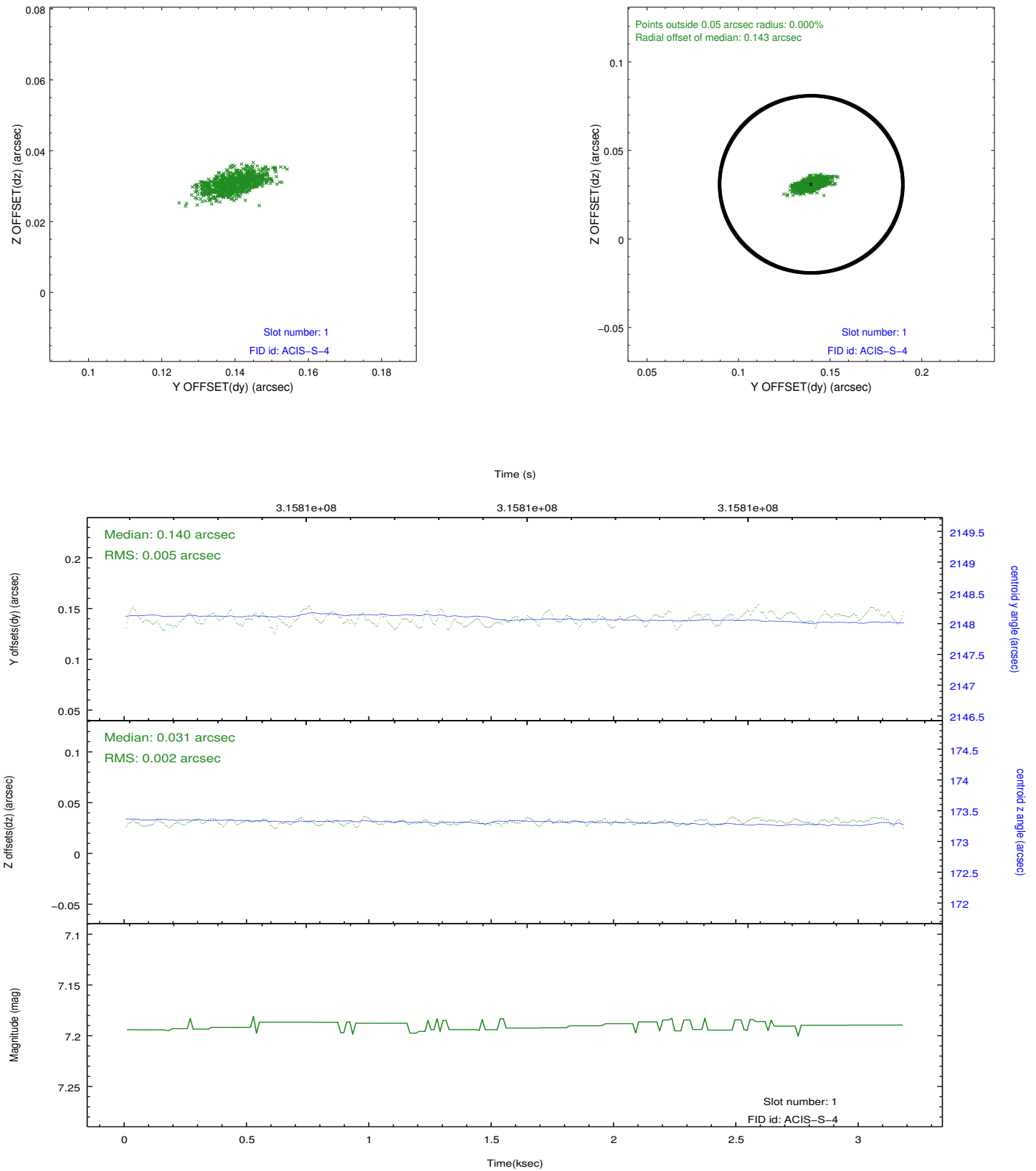


2.5 FID Slots

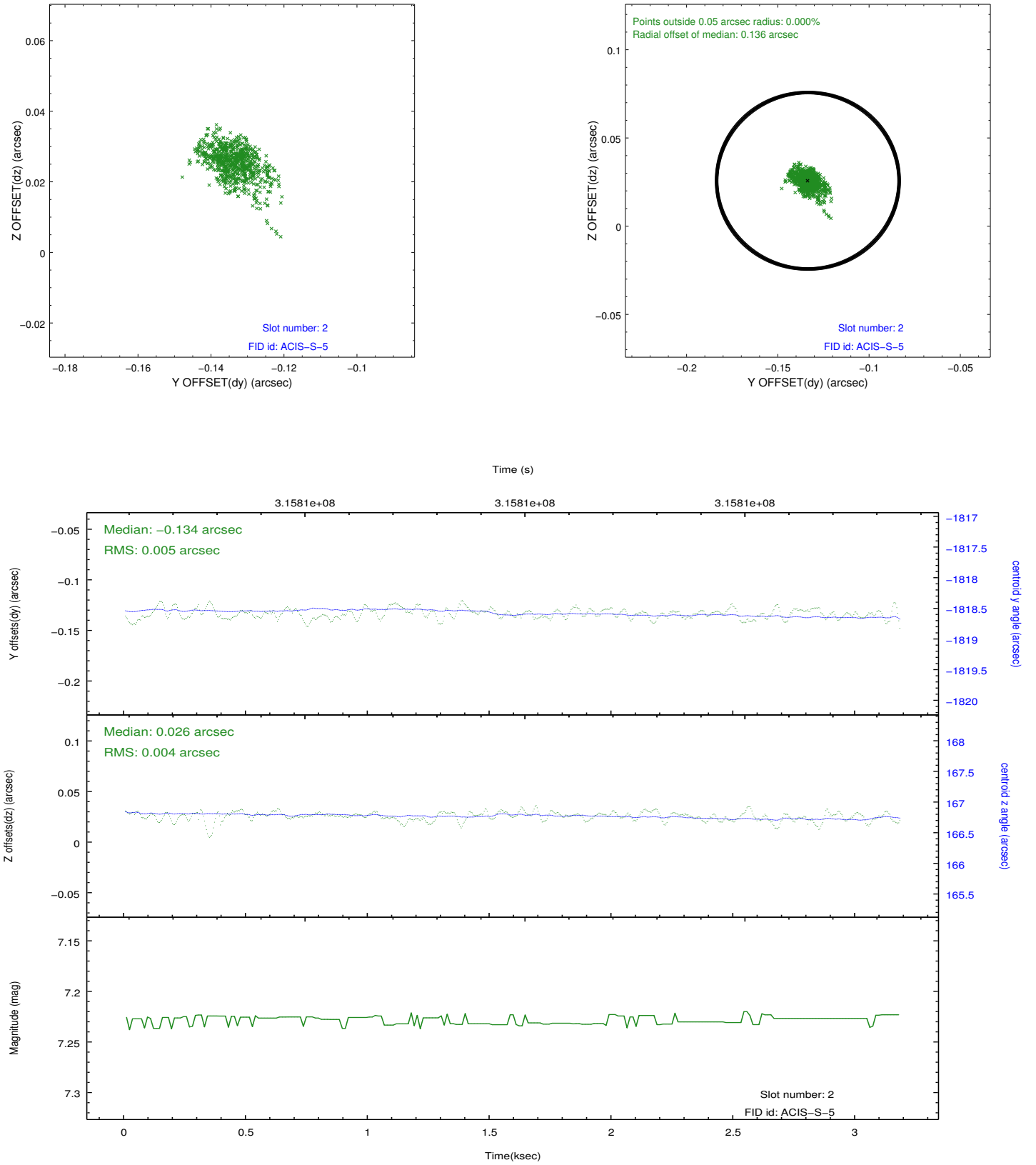
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.17439998

A.2 Comments

Time constraint met.