

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9790 - L2 Version 2
Chandra X-Ray Center

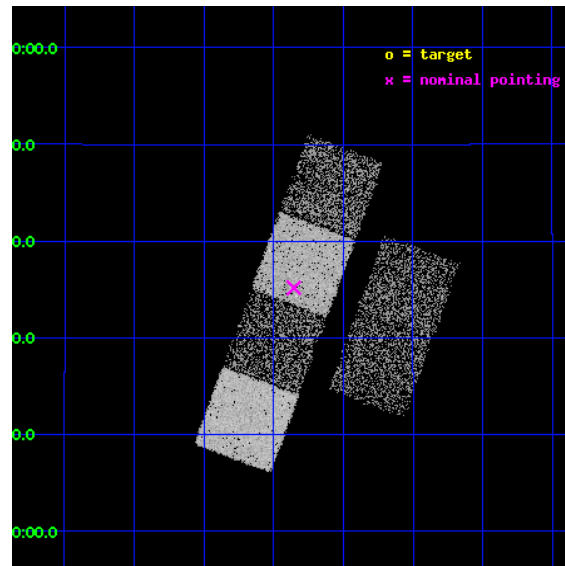
L2 Processing Date : May 7 2012

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1 Front

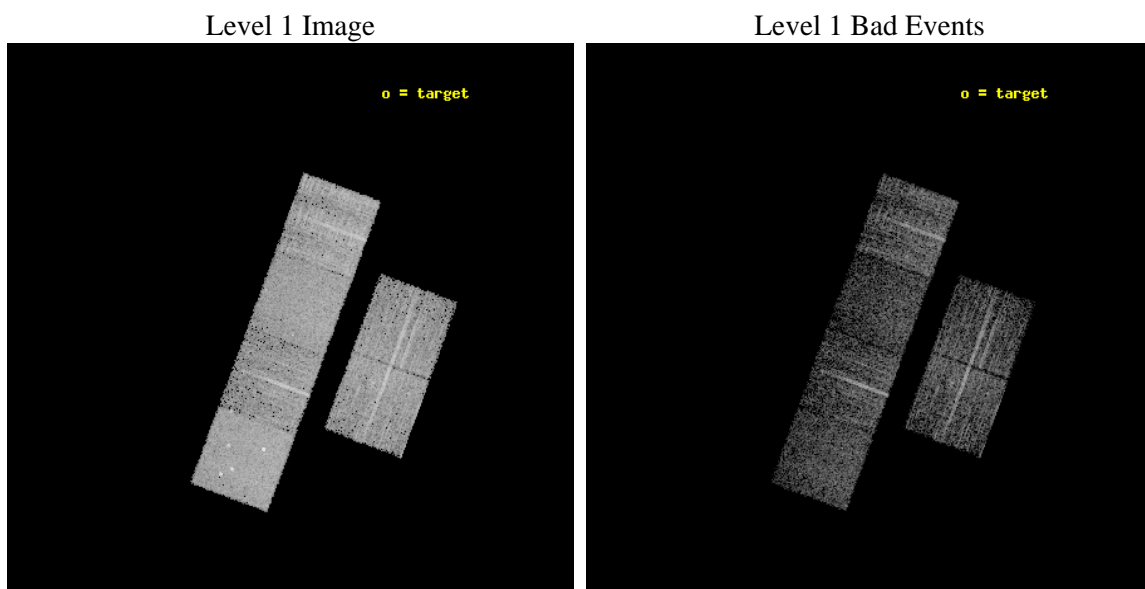
seq_num	100070	Sequence number
obs_id	9790	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	26.713676561782	Nominal RA [deg]
dec_nom	13.586415847159	Nominal Dec [deg]
roll_nom	290.28158033499	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3125.1734051704	Sum of GTIs [s]
liveltime	3085.6005777607	Livetime [s]
ontime2	3125.2144451737	Sum of GTIs [s]
ontime3	3125.0502851605	Sum of GTIs [s]
ontime5	3125.1323651671	Sum of GTIs [s]
ontime6	3125.0913251638	Sum of GTIs [s]
ontime7	3125.1734051704	Sum of GTIs [s]
ontime8	3125.0092451572	Sum of GTIs [s]
l2events	38624	Number of level 2 events



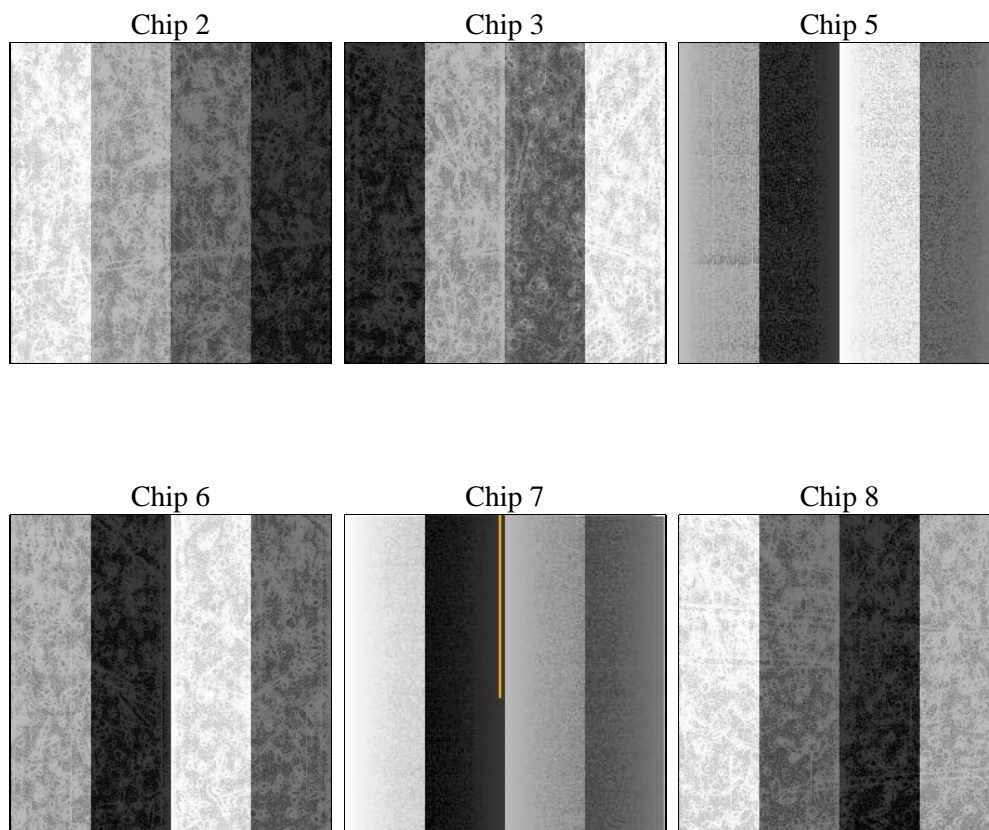
2 OBI

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	3125.1734051704	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3125.2144451737	Sum of GTIs [s]
date	2012-05-07T14:34:39	Date and time of file creation	ontime3	3125.0502851605	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3125.1323651671	Sum of GTIs [s]
			ontime6	3125.0913251638	Sum of GTIs [s]
			ontime7	3125.1734051704	Sum of GTIs [s]
			ontime8	3125.0092451572	Sum of GTIs [s]
			l1events	184518	Number of level 1 events

2.1.4 Events

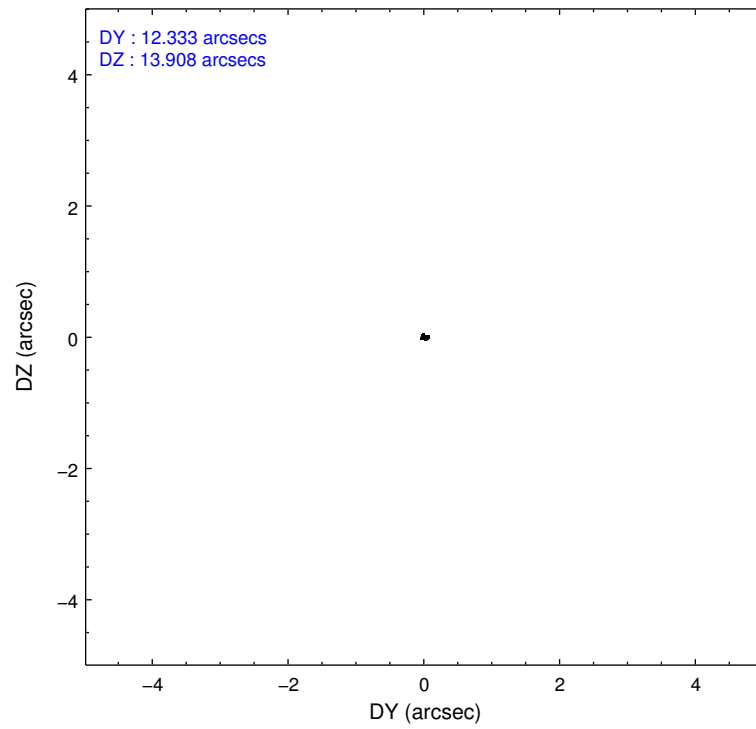
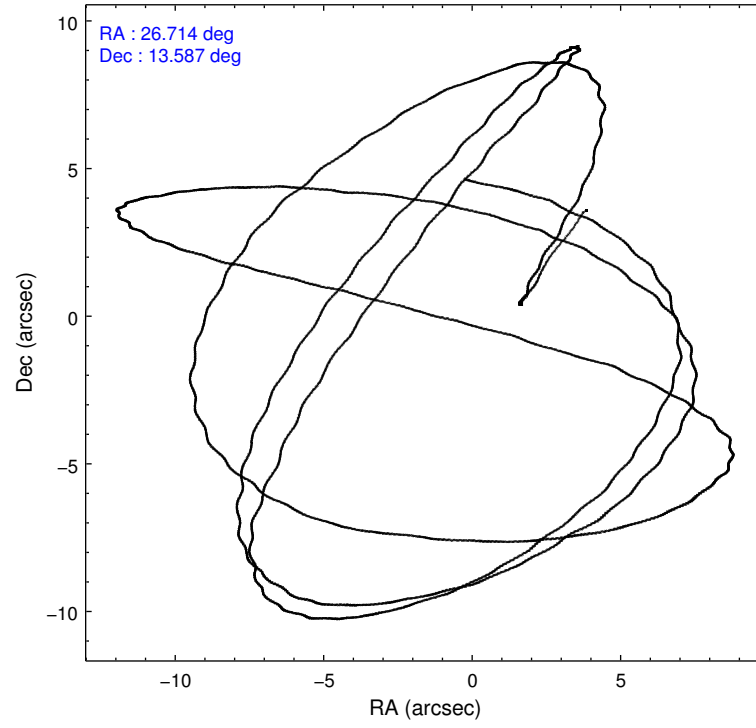
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29069	24973	38192	25729	30280	36275	grade 0 events	1026	855	2874	942	1337	2405
rejected events	26473	22624	19479	23127	17089	28117		3%	3%	7%	3%	4%	6%
rejected %	91%	90%	51%	89%	56%	77%	grade 1 events	17	15	99	14	39	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	608	545	5451	577	2832	2015
								2%	2%	14%	2%	9%	5%
							grade 3 events	284	275	760	298	1324	948
								0%	1%	1%	1%	4%	2%
							grade 4 events	276	282	724	310	1219	837
								0%	1%	1%	1%	4%	2%
							grade 5 events	951	1064	2958	1144	3130	1601
								3%	4%	7%	4%	10%	4%
							grade 6 events	489	481	9673	583	7073	2349
								1%	1%	25%	2%	23%	6%
							grade 7 events	25418	21456	15653	21861	13326	26100
								87%	85%	40%	84%	44%	71%

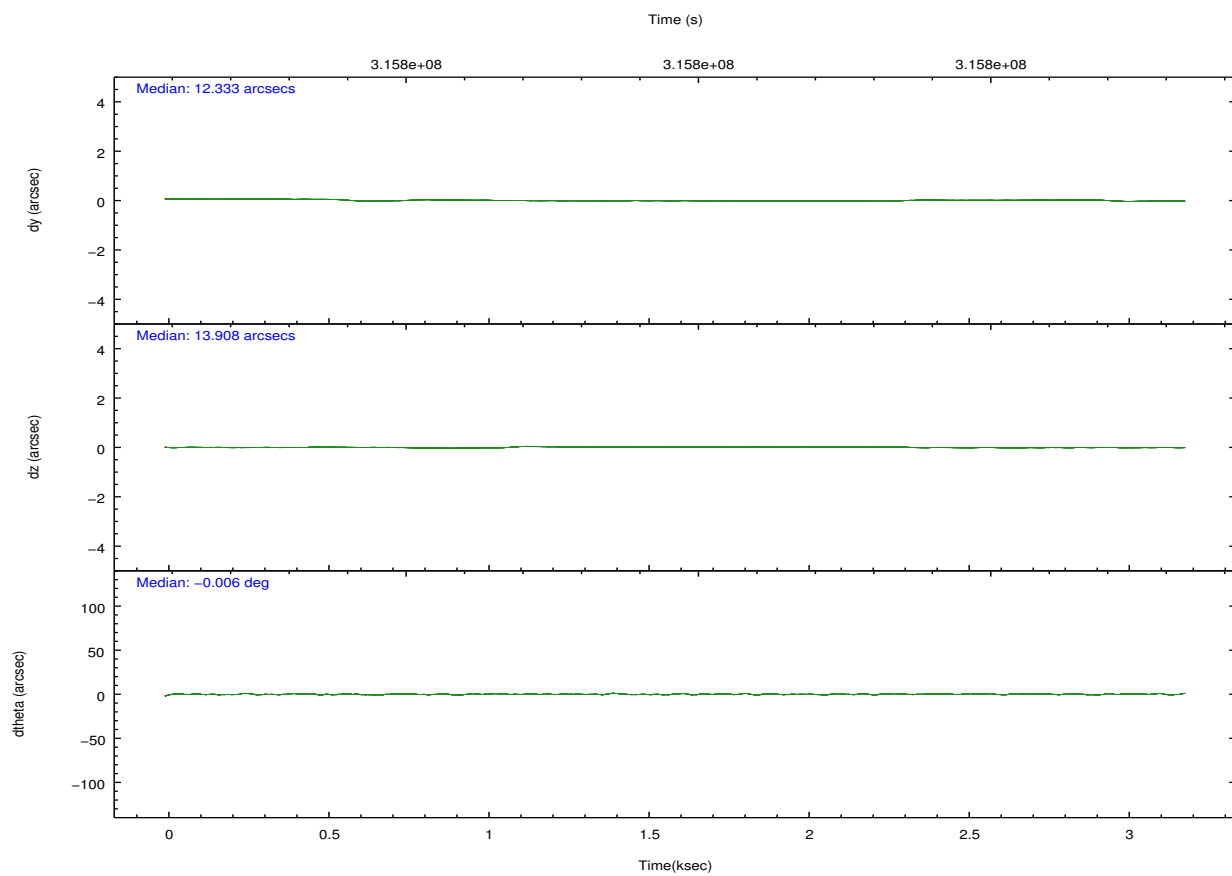
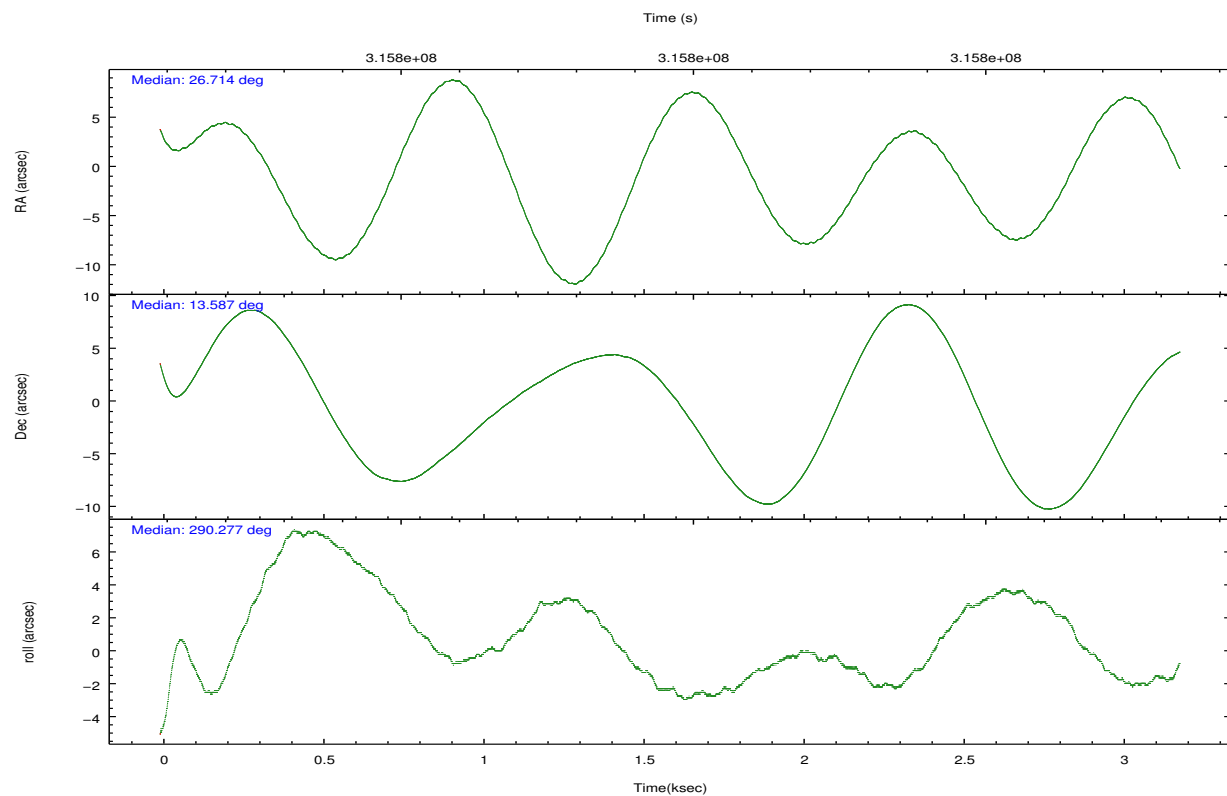
2.2 Compared Parameters

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	26.691608	26.71367656178247
[deg] Pointing Dec	13.603498	13.58641584715916
[deg] Pointing Roll	290.130150	290.281580334989
[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)	315798511.184000	315797464.8657
Observation start date	2008-01-04T01:47:26	2008-01-04T01:31:04
[s] Observation end time (MET)	315801511.184000	315801644.8159
Observation end date	2008-01-04T02:37:26	2008-01-04T02:40:44
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



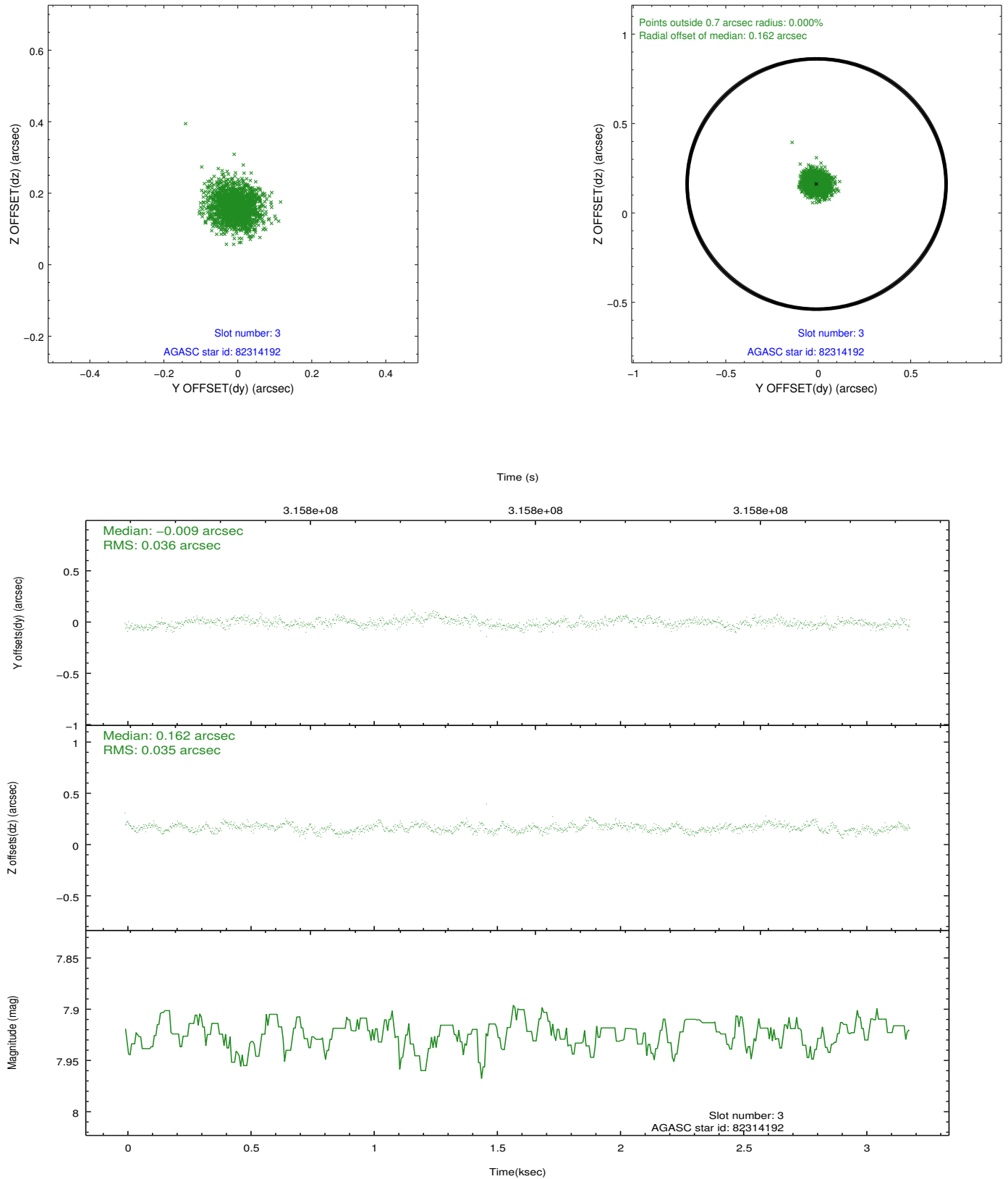


Slot Statistics

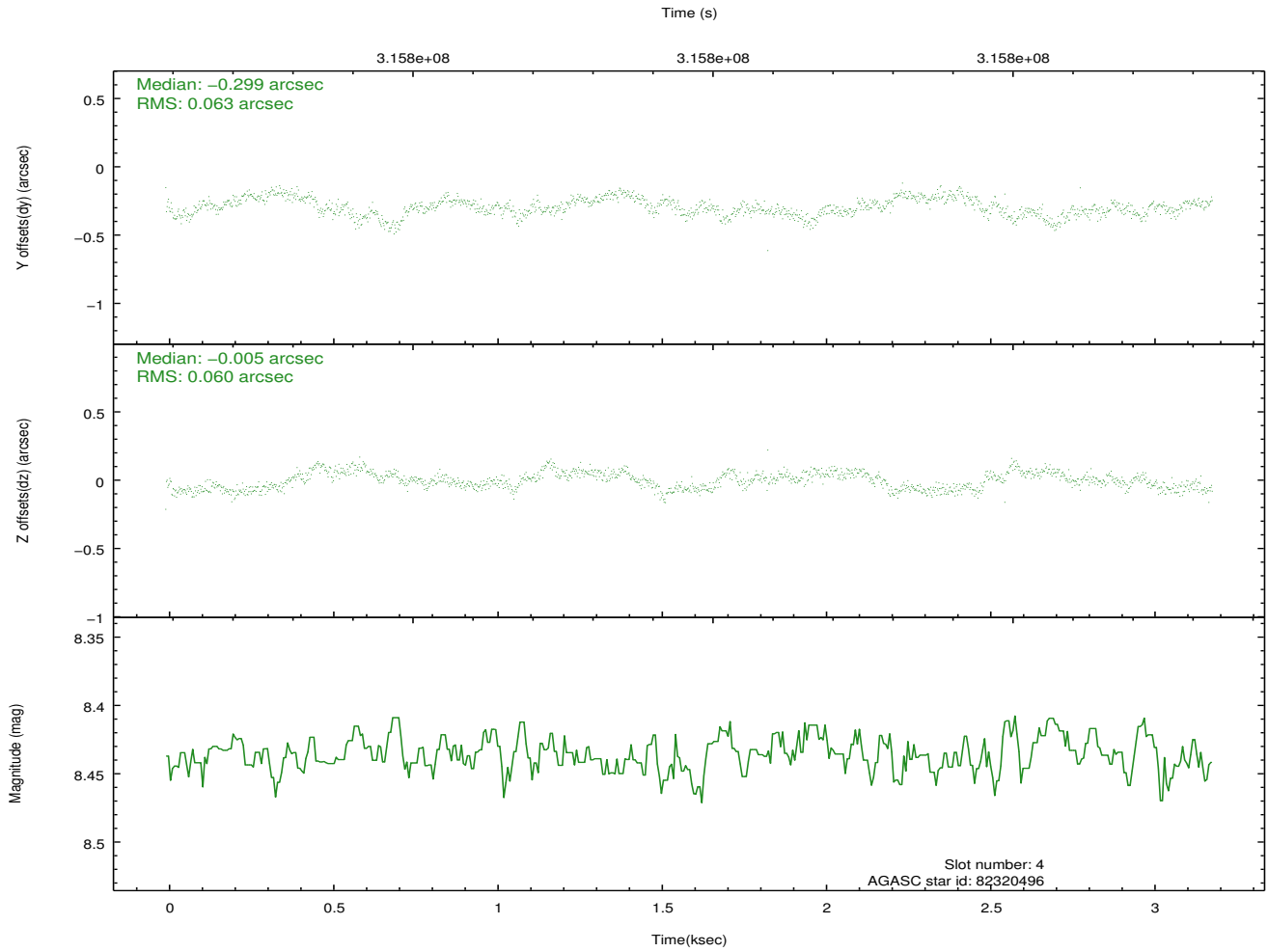
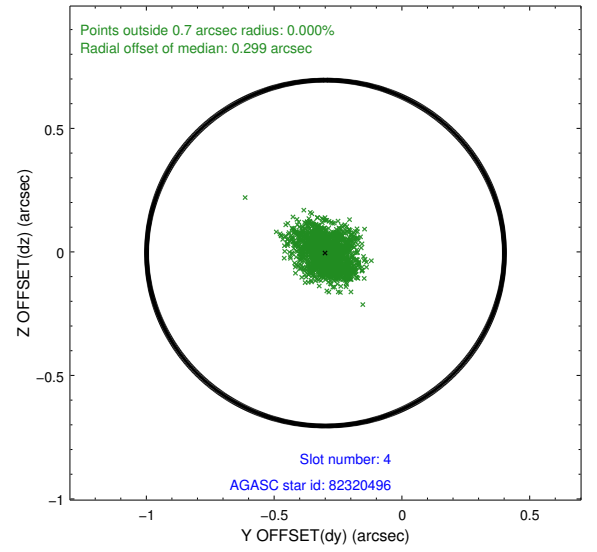
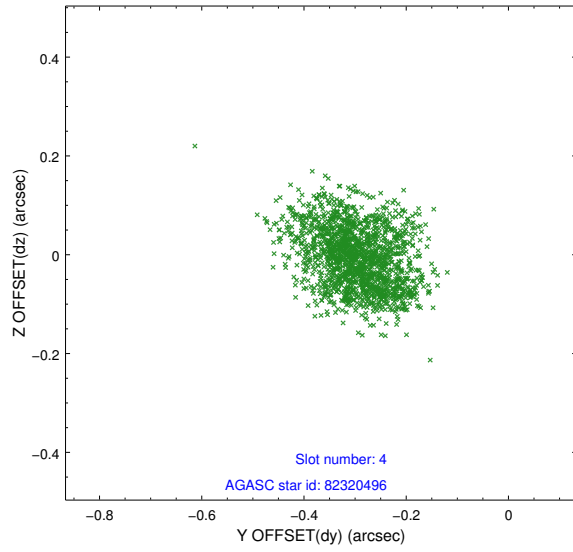
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	778	0.080	-0.032	0.006	0.011	0.000000	0.000000	930.89	-1730.91
1	FID	ACIS-S-5	7.24	778	-0.122	0.061	0.006	0.010	0.000000	0.000000	-1817.21	164.65
2	FID	ACIS-S-6	7.33	778	0.021	-0.017	0.007	0.011	0.000000	0.000000	394.20	810.81
3	GUIDE	82314192	7.92	1555	-0.009	0.162	0.054	0.087	26.874650	12.975357	2344.34	-175.22
4	GUIDE	82320496	8.44	1555	-0.299	-0.005	0.094	0.145	26.104669	14.056528	-2237.16	-1363.56
5	GUIDE	82321656	9.10	1554	-0.085	0.090	0.083	0.138	27.163343	14.060984	-981.17	2113.79
6	GUIDE	82323952	8.84	1555	0.179	-0.132	0.069	0.110	26.900745	13.189995	1649.67	176.58
7	GUIDE	82316000	9.23	1553	0.214	-0.115	0.120	0.196	26.369210	12.906952	1966.43	-1925.48

2.4 Star Slots

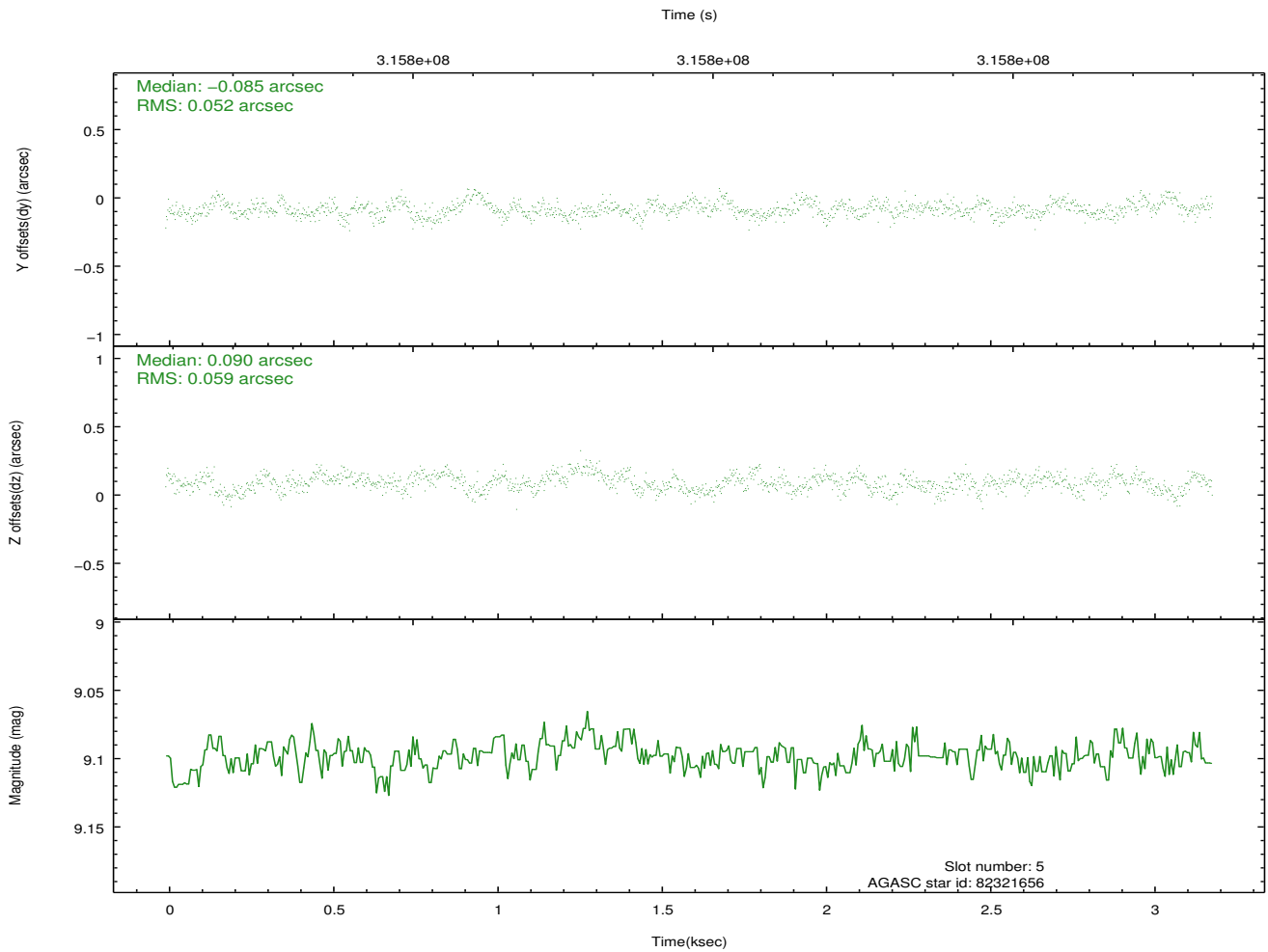
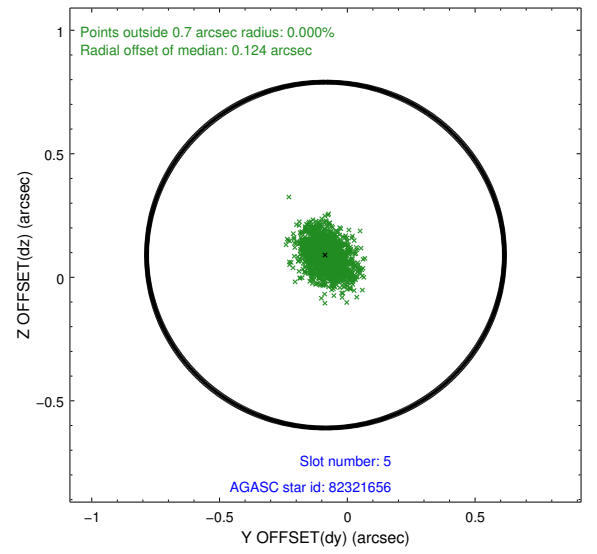
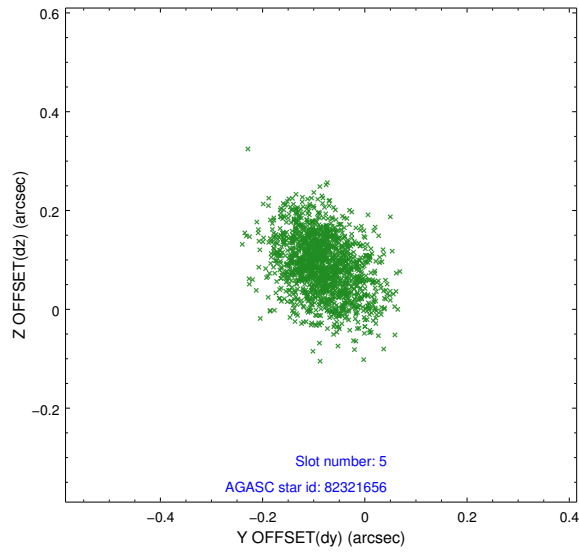
2.4.1 Slot 3



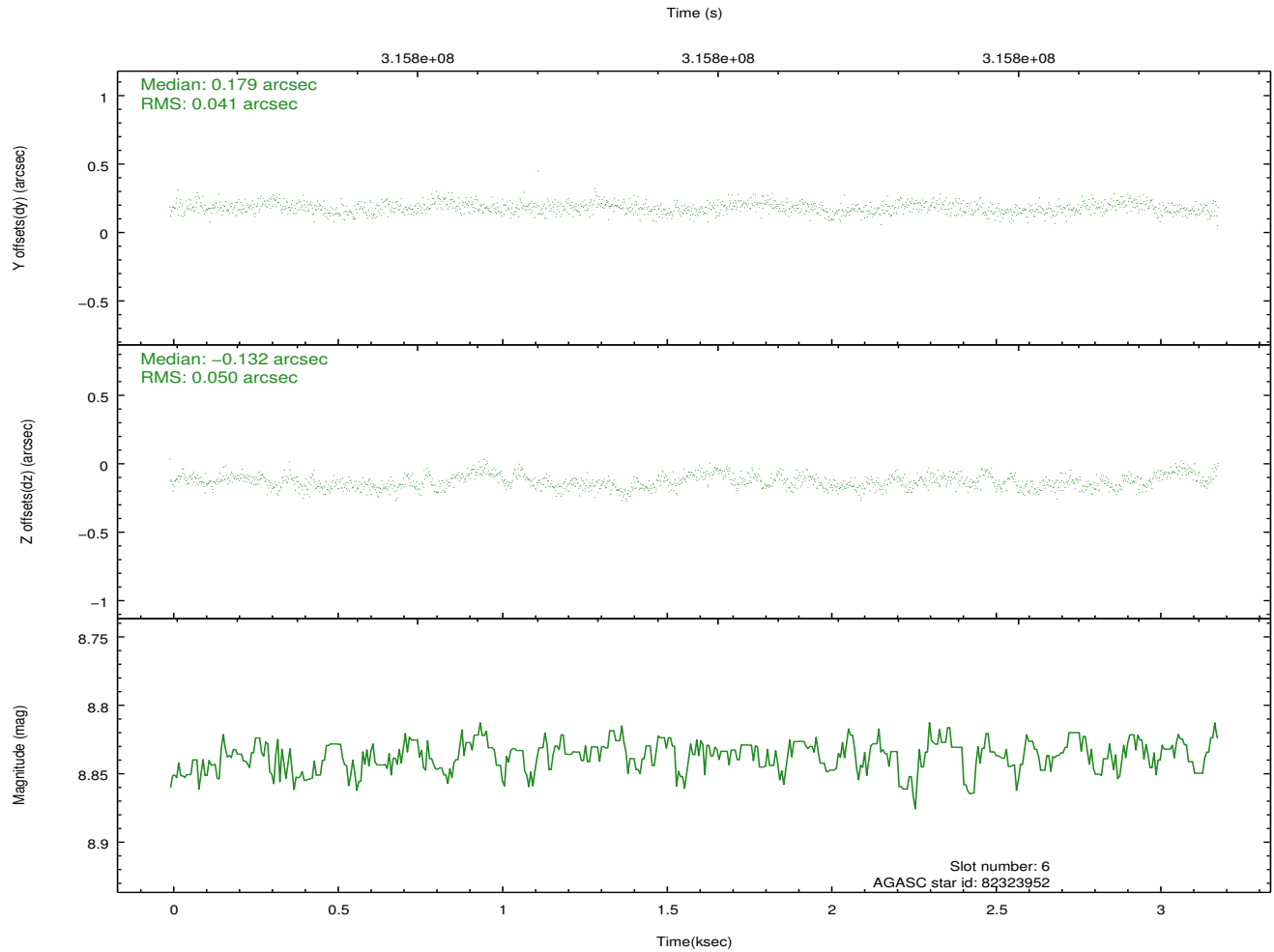
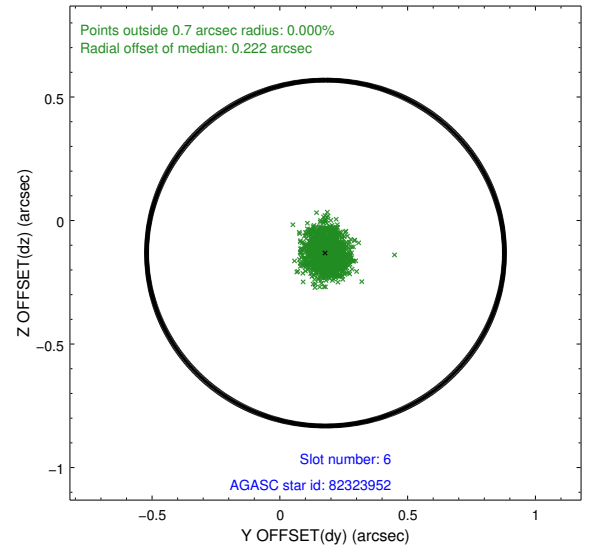
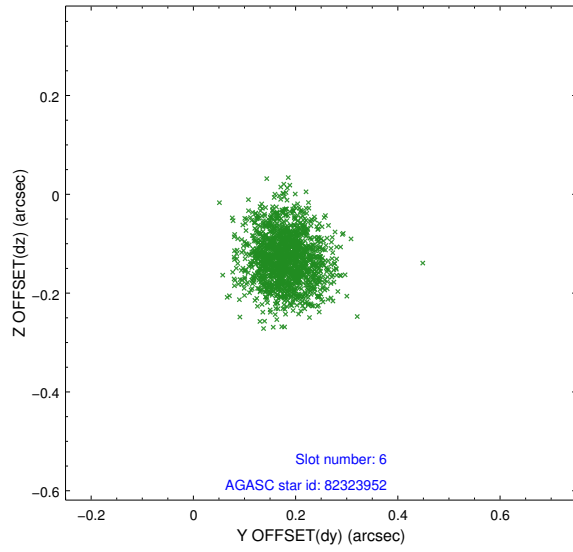
2.4.2 Slot 4



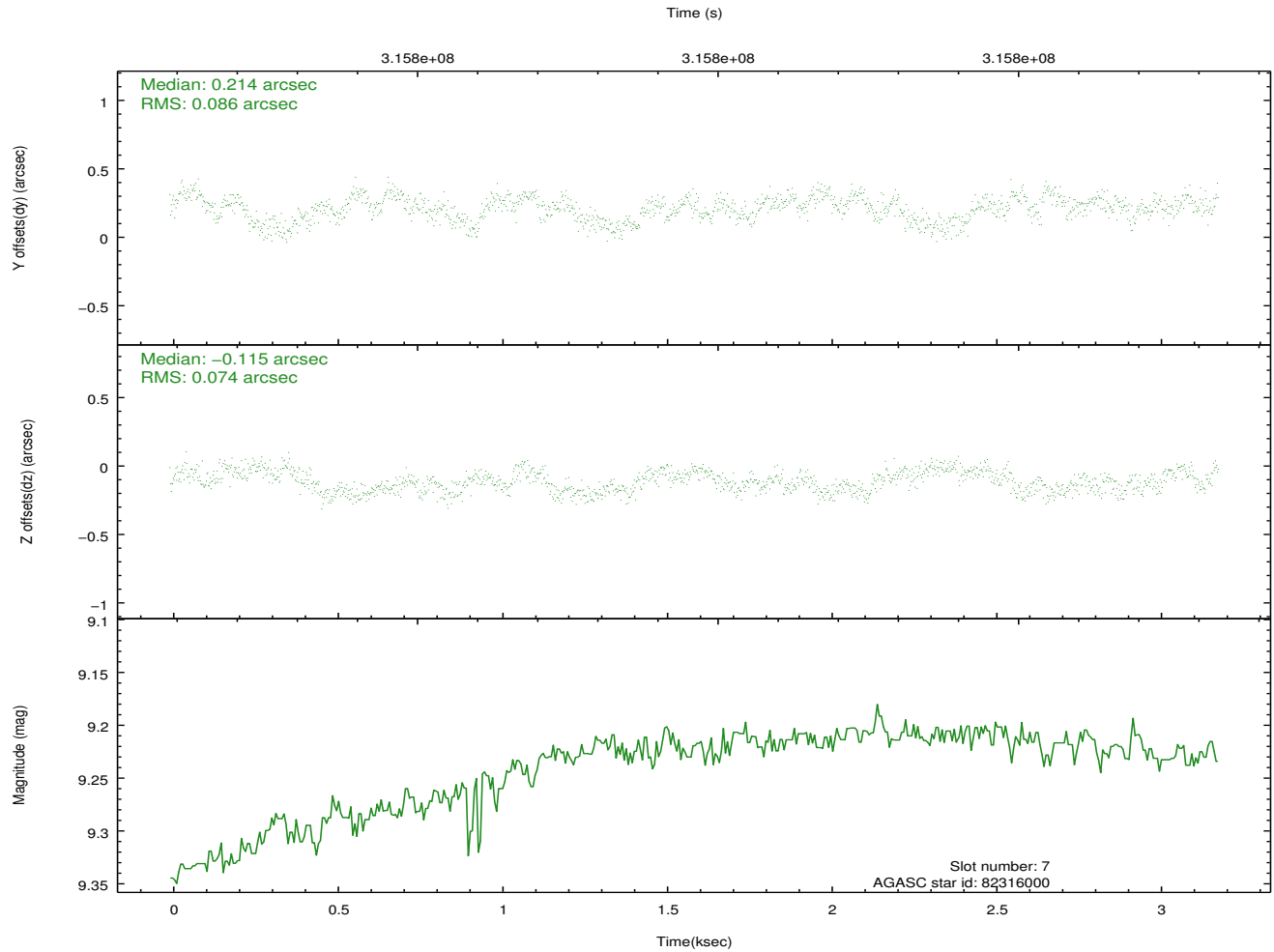
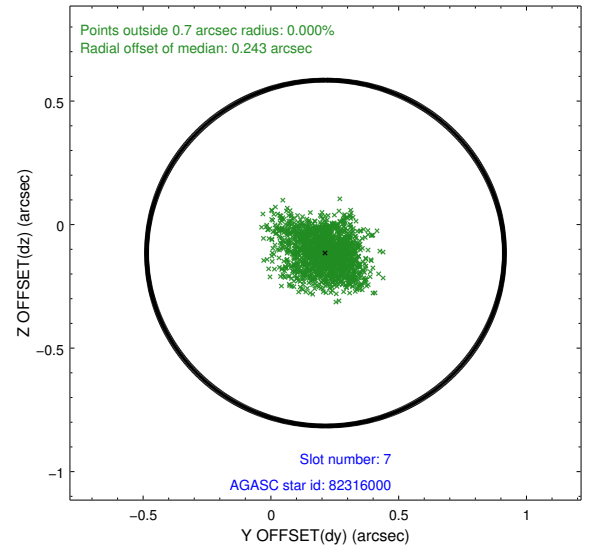
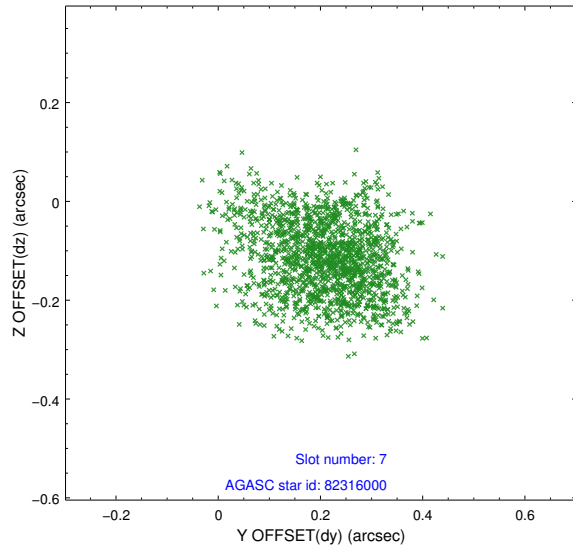
2.4.3 Slot 5



2.4.4 Slot 6

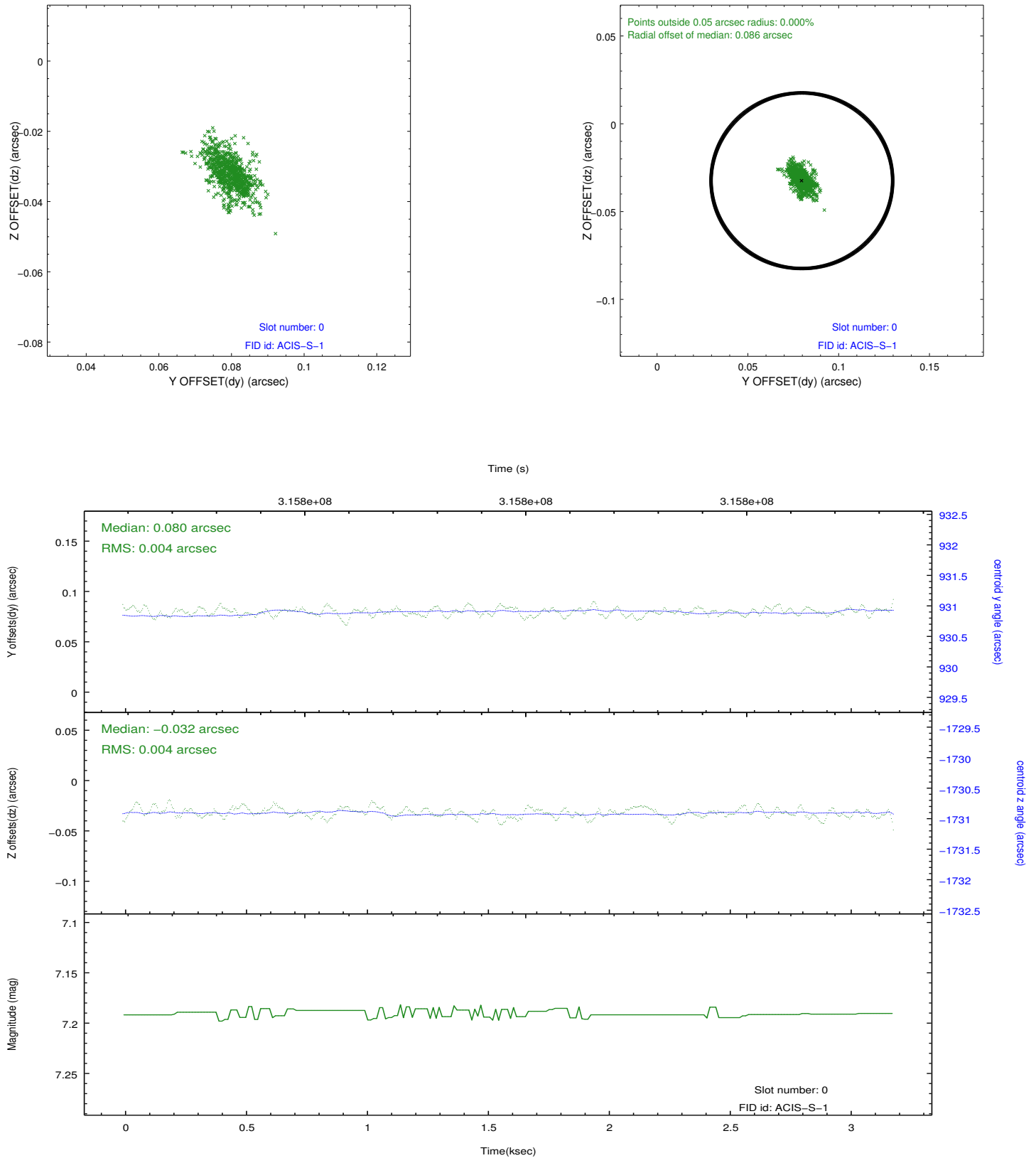


2.4.5 Slot 7

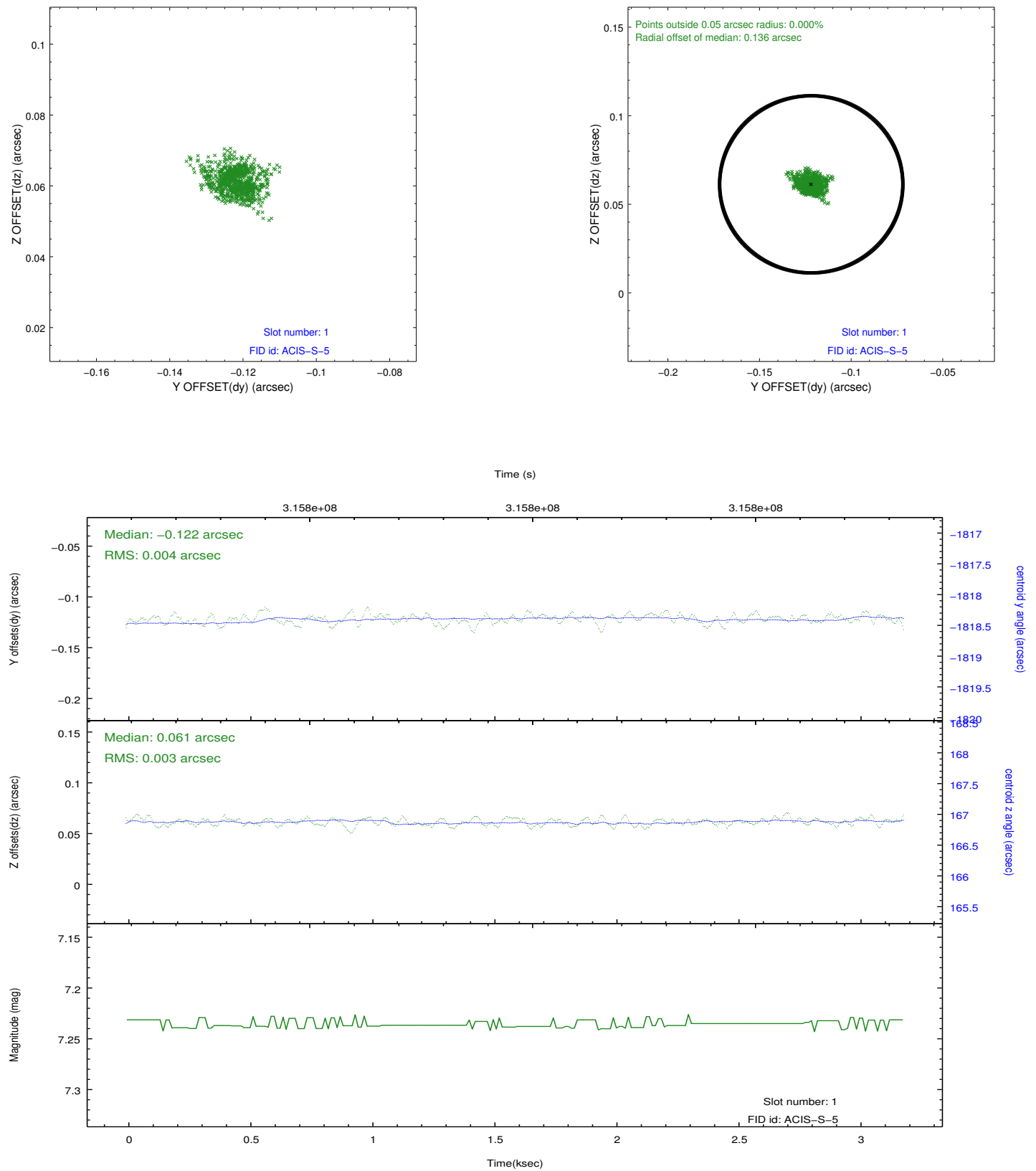


2.5 FID Slots

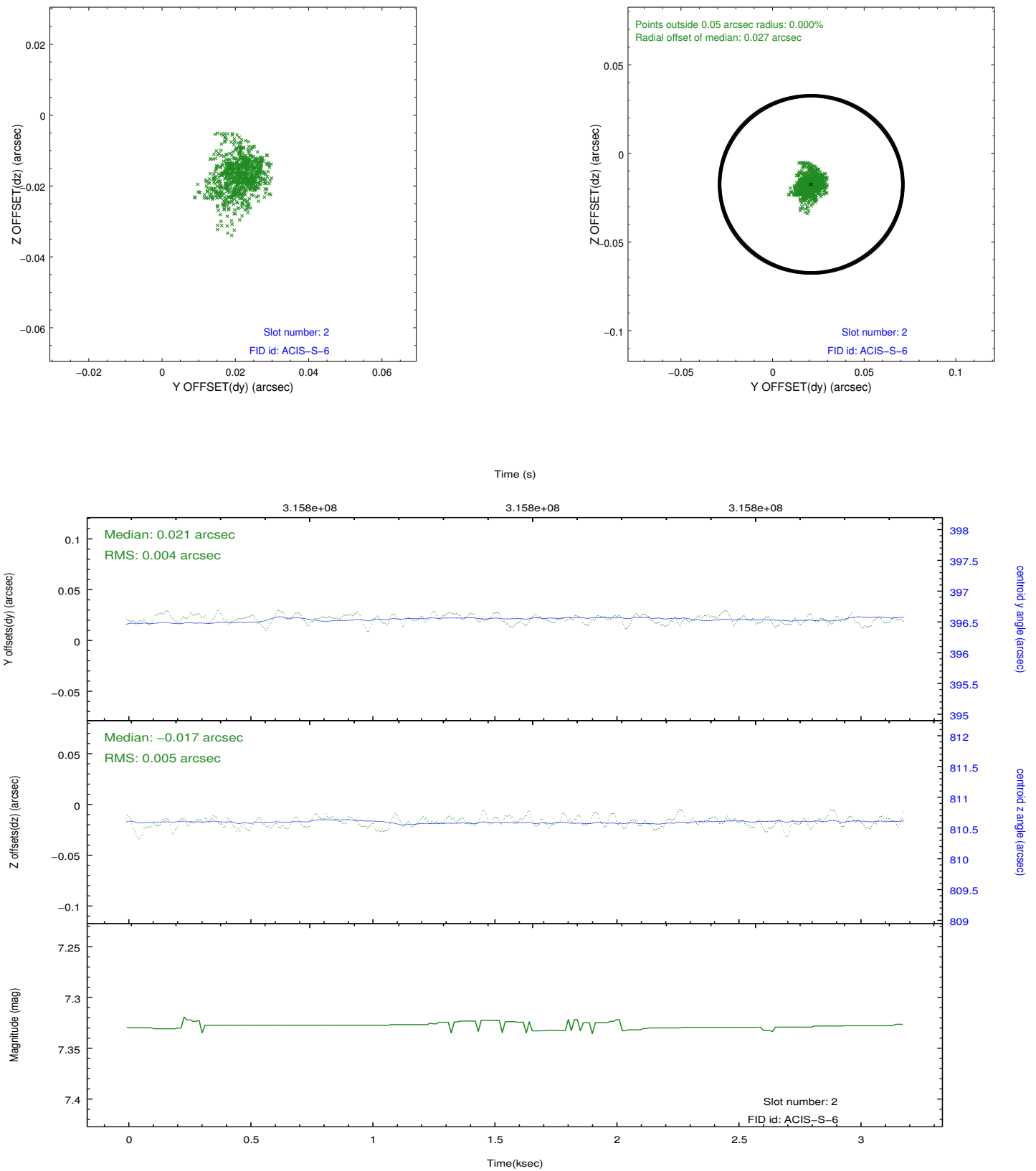
2.5.1 Slot 0



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	3.12639998

A.2 Comments

Time constraint met.