

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10263 - L2 Version 2
Chandra X-Ray Center

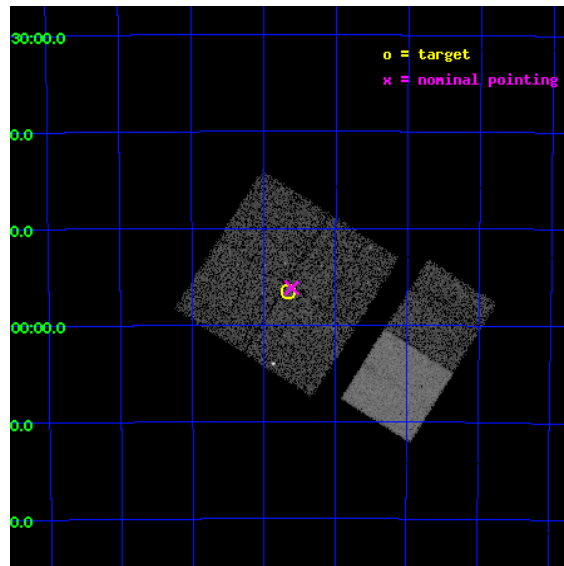
L2 Processing Date : May 30 2012

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1 Front

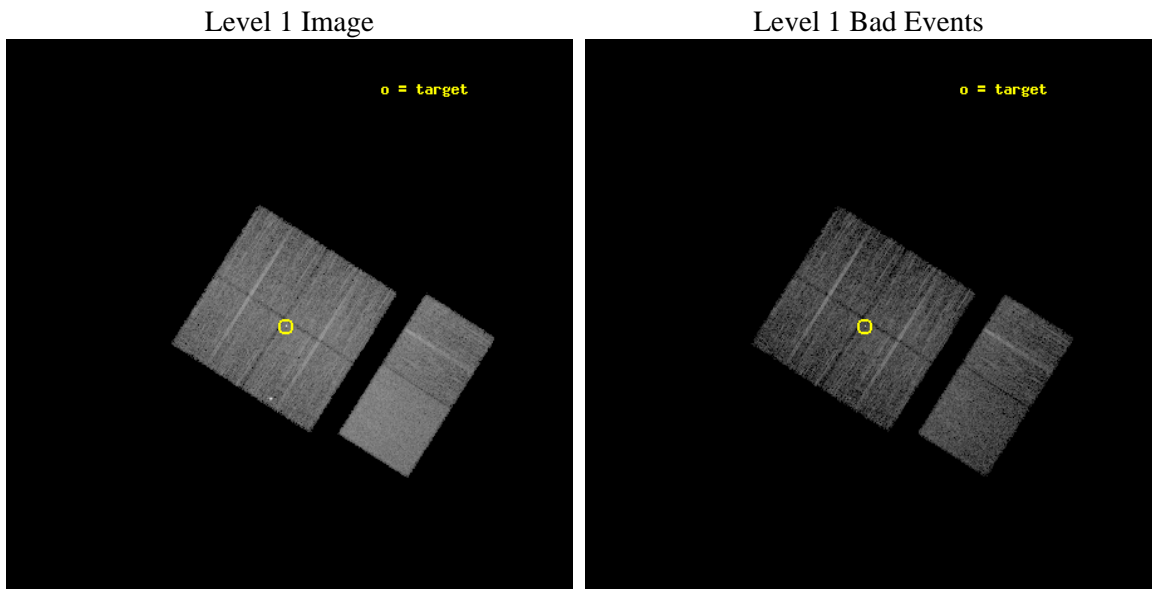
seq_num	701806	Sequence number
obs_id	10263	Observation id
title	Zeroing in on the sources of Ultrahigh Energy Cosmic Rays	Proposal
observer	Prof. Glennys Farrar	Principal investigator
object	ESO 139-G12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.414583	Observer's specified target RA [deg]
dec_targ	-59.941389	Observer's specified target Dec [deg]
ra_nom	264.4022570168	Nominal RA [deg]
dec_nom	-59.936090383359	Nominal Dec [deg]
roll_nom	122.41542694997	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4952.6165674925	Sum of GTIs [s]
livetime	4889.9035544072	Livetime [s]
ontime0	4952.4934474826	Sum of GTIs [s]
ontime1	4952.5344874859	Sum of GTIs [s]
ontime2	4952.5755274892	Sum of GTIs [s]
ontime3	4952.6165674925	Sum of GTIs [s]
ontime6	4952.6986474991	Sum of GTIs [s]
ontime7	4952.6576074958	Sum of GTIs [s]
l2events	59604	Number of level 2 events



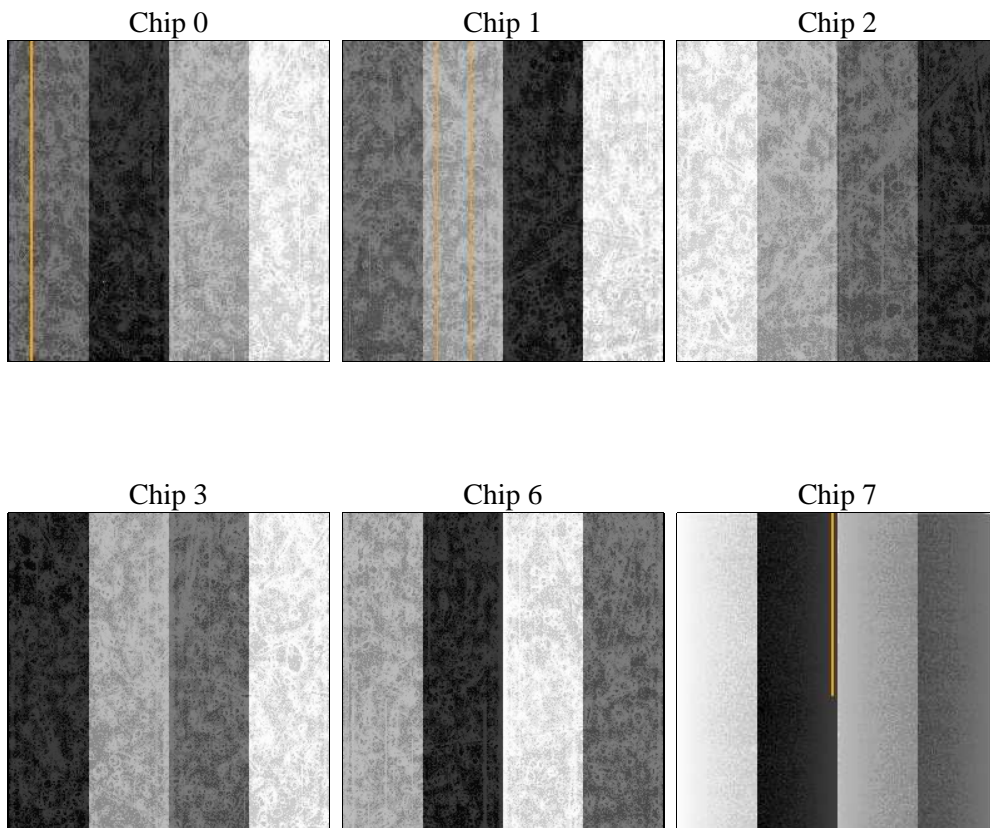
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4952.6165674925	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4952.4934474826	Sum of GTIs [s]
date	2012-05-30T05:51:57	Date and time of file creation	ontime1	4952.5344874859	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4952.5755274892	Sum of GTIs [s]
			ontime3	4952.6165674925	Sum of GTIs [s]
			ontime6	4952.6986474991	Sum of GTIs [s]
			ontime7	4952.6576074958	Sum of GTIs [s]
			l1events	317398	Number of level 1 events

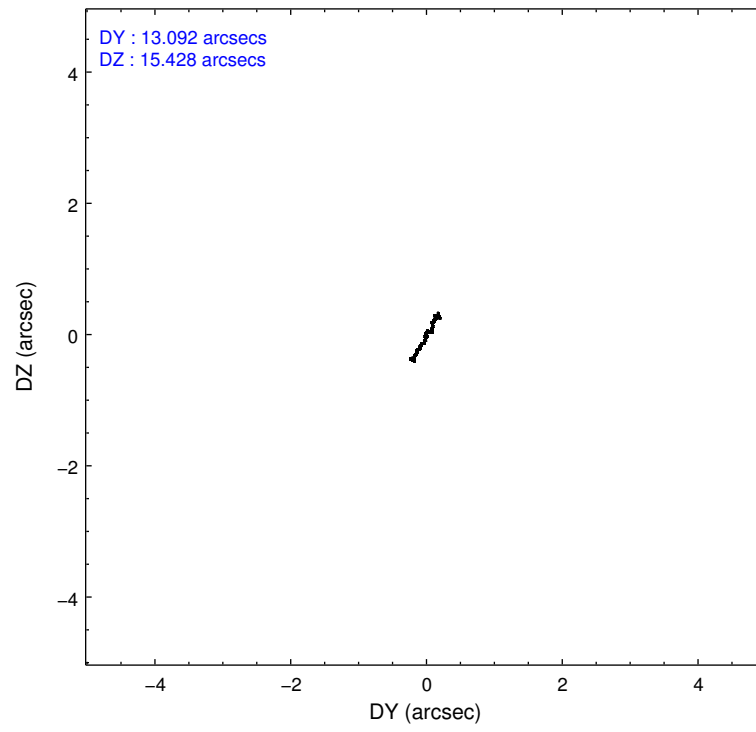
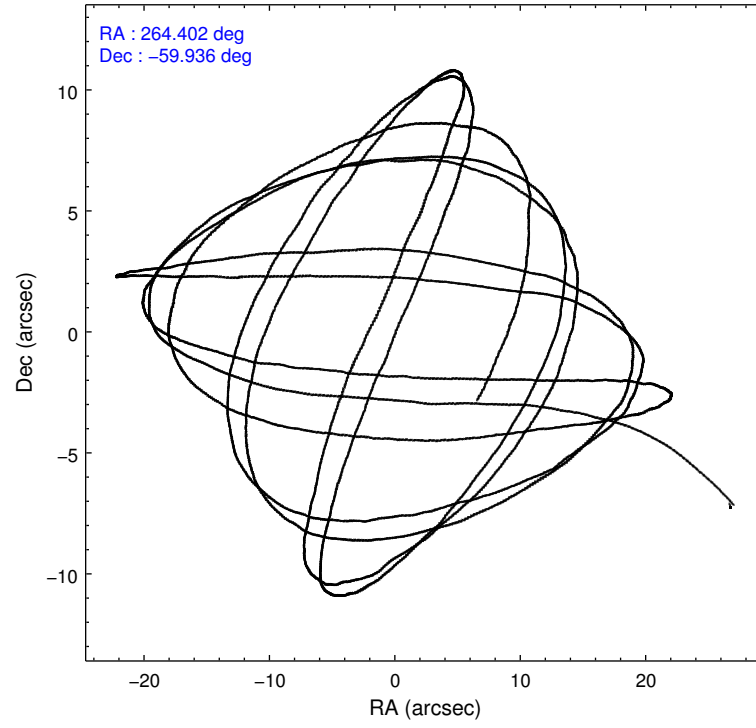
2.1.4 Events

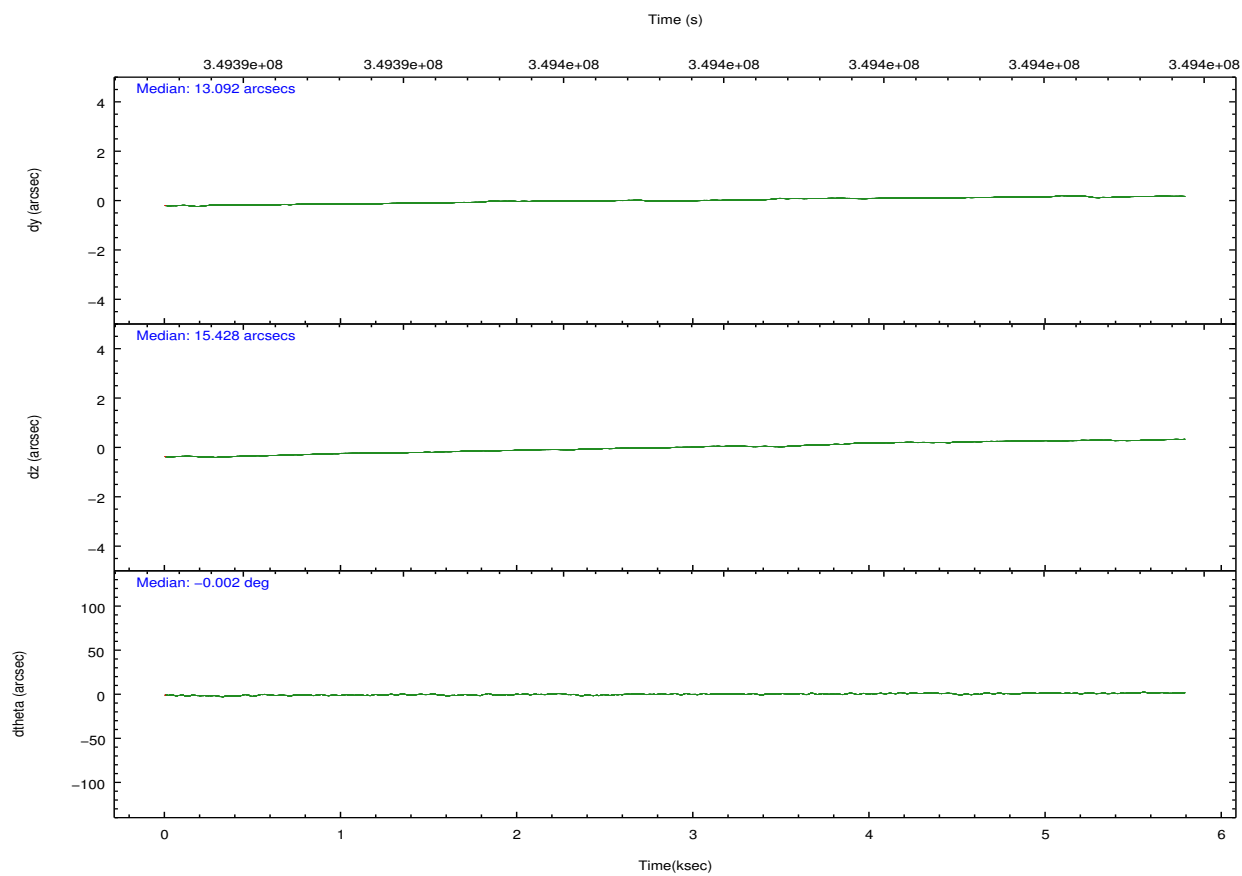
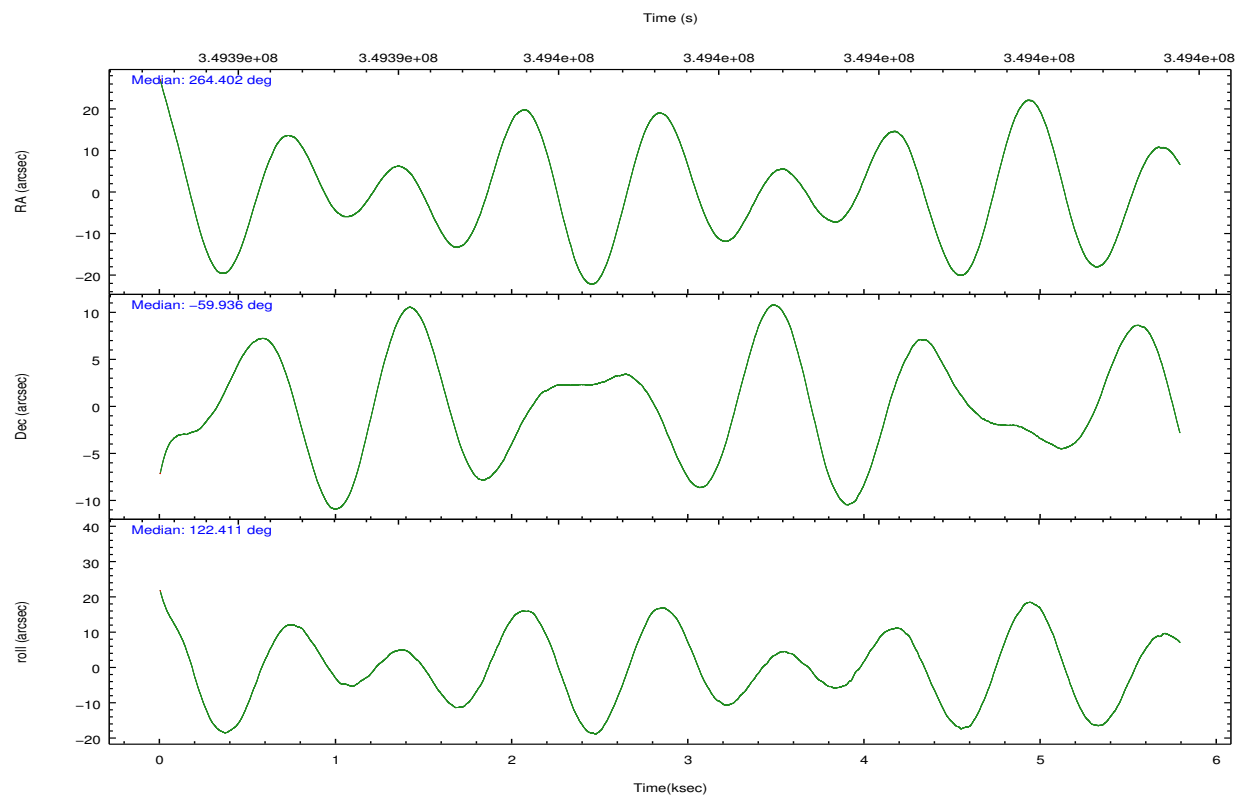
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45298	45787	51370	53000	51562	70381	grade 0 events	2820	2547	2977	4700	2504	2628
rejected events	38866	39204	44902	43765	45140	40970		6%	5%	5%	8%	4%	3%
rejected %	85%	85%	87%	82%	87%	58%	grade 1 events	31	32	29	255	35	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	1392	1562	1372	1738	1397	6075
								3%	3%	2%	3%	2%	8%
							grade 3 events	573	600	578	722	546	2552
								1%	1%	1%	1%	1%	3%
							grade 4 events	525	596	537	705	590	2520
								1%	1%	1%	1%	1%	3%
							grade 5 events	2164	2199	2084	2646	2506	6559
								4%	4%	4%	4%	4%	9%
							grade 6 events	1129	1281	1010	1377	1393	15675
								2%	2%	1%	2%	2%	22%
							grade 7 events	36664	36970	42783	40857	42591	34301
								80%	80%	83%	77%	82%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	264.451046	264.4022570168009	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.948786	-59.93609038335872	CCD I3 on	Y	Y
[deg] Pointing Roll	122.248981	122.4154269499674	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	349393595.184000	349392333.79585	CCD S5 on	N	N
Observation start date	2009-01-26T21:45:29	2009-01-26T21:25:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	349398595.184000	349399143.38369	On-chip summing requested	N	N
Observation end date	2009-01-26T23:08:49	2009-01-26T23:19:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



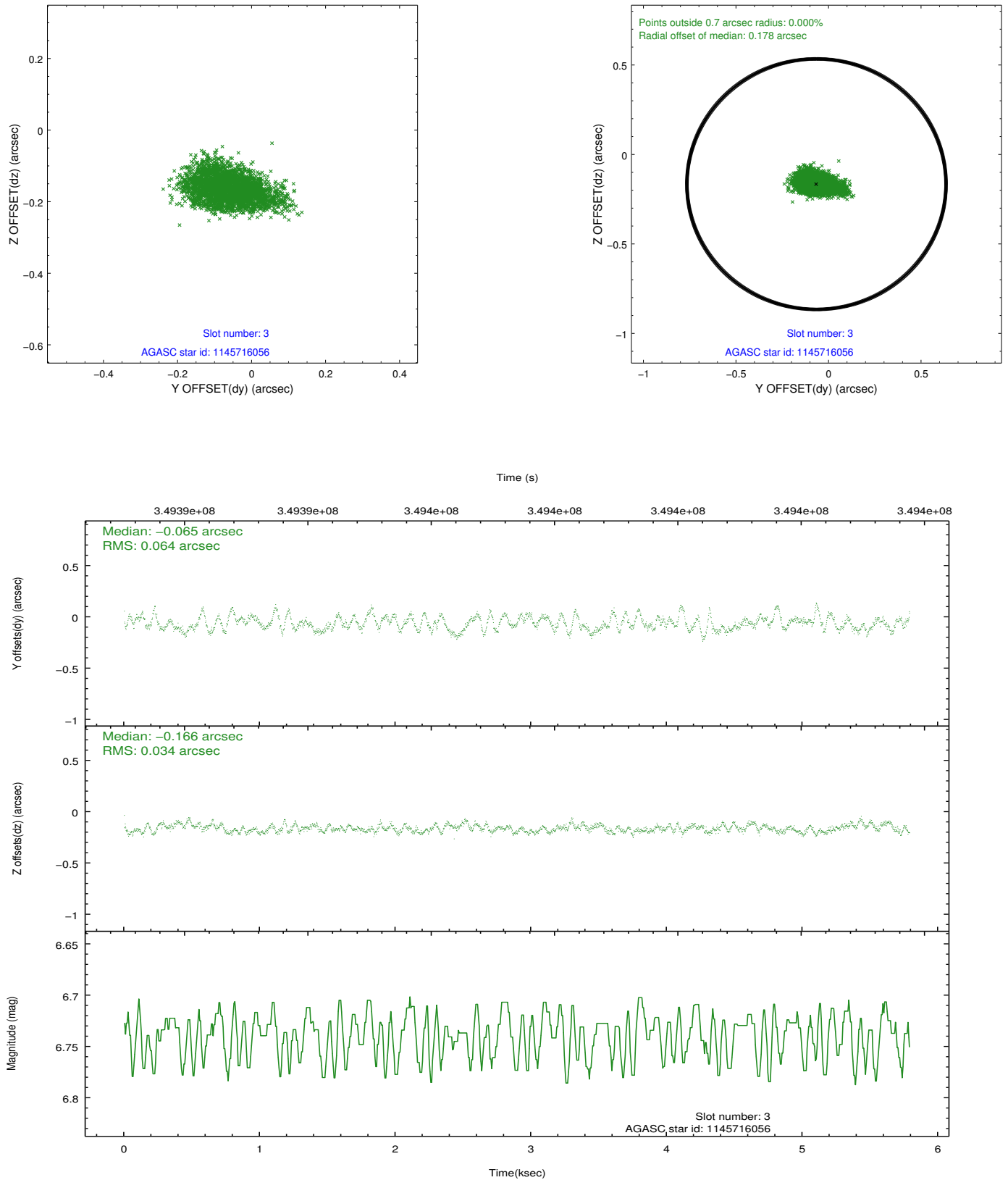


Slot Statistics

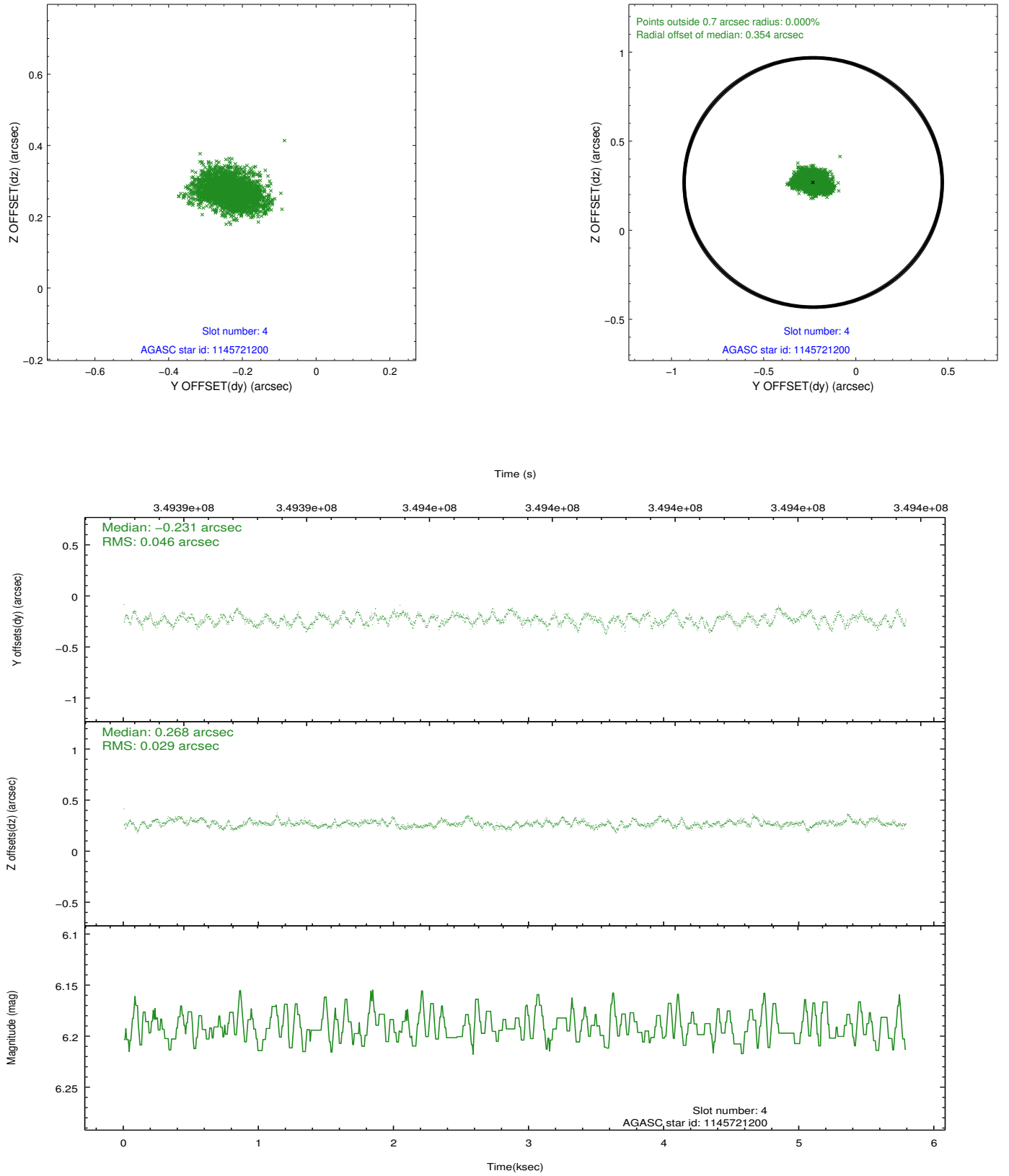
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1413	0.046	-0.024	0.016	0.026	0.000000	0.000000	926.46	-839.05
1	FID	ACIS-I-5	7.00	1413	-0.205	0.050	0.011	0.019	0.000000	0.000000	-1821.33	1057.99
2	FID	ACIS-I-6	7.02	1413	0.068	0.045	0.009	0.016	0.000000	0.000000	390.90	1703.66
3	GUIDE	1145716056	6.74	2825	-0.065	-0.166	0.076	0.128	263.895827	-59.846119	844.54	654.55
4	GUIDE	1145721200	6.19	2825	-0.231	0.268	0.057	0.096	264.477154	-59.432938	1545.09	-1030.27
5	GUIDE	1186615392	8.73	2824	0.031	-0.282	0.074	0.118	263.664915	-60.466870	-839.77	2179.23
6	GUIDE	1186618800	8.70	2825	0.154	0.124	0.074	0.119	264.991650	-60.110775	-1014.41	-505.67
7	GUIDE	1186625248	9.59	2819	0.109	0.050	0.114	0.189	264.702043	-60.573830	-2141.10	825.89

2.4 Star Slots

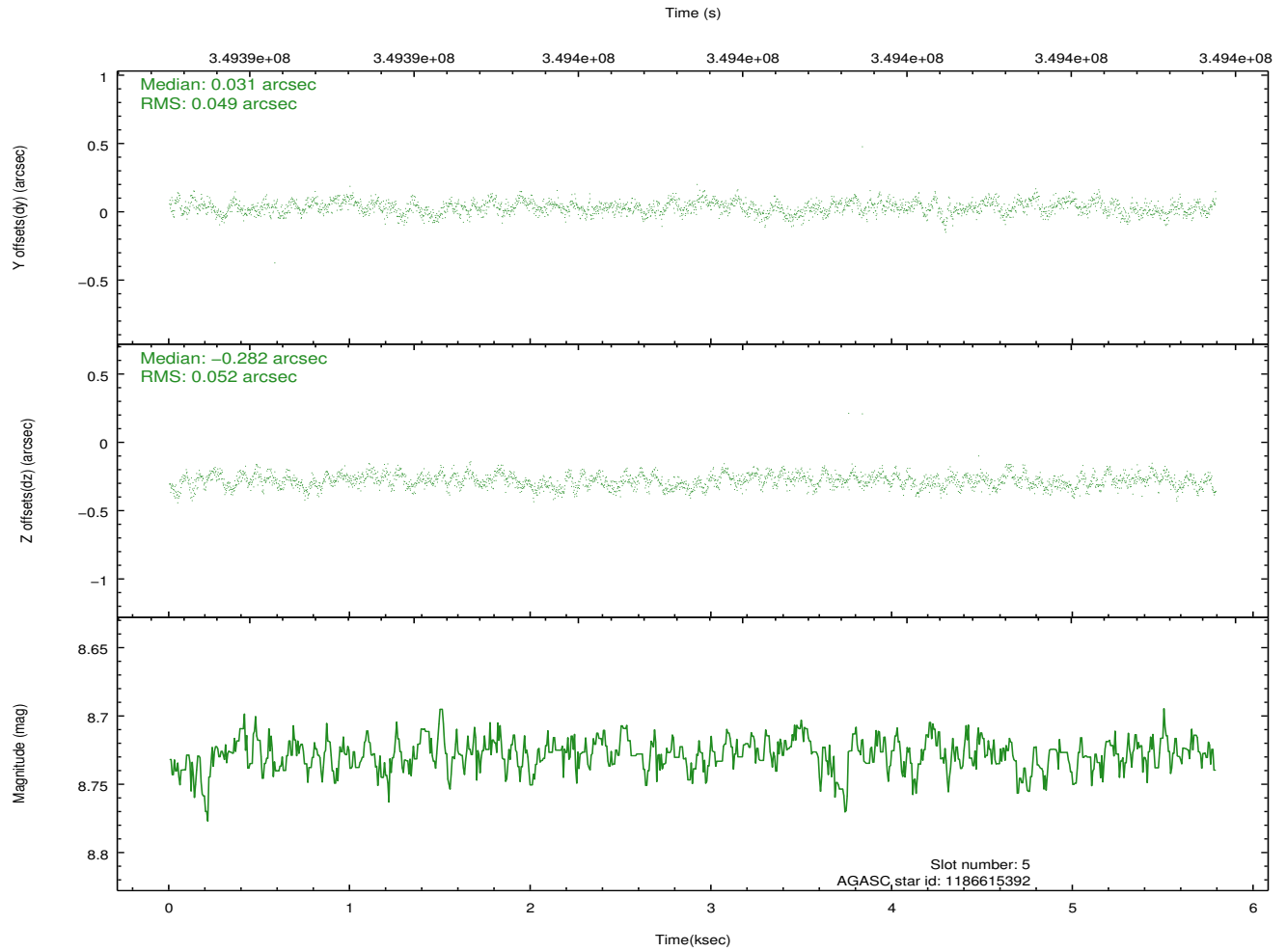
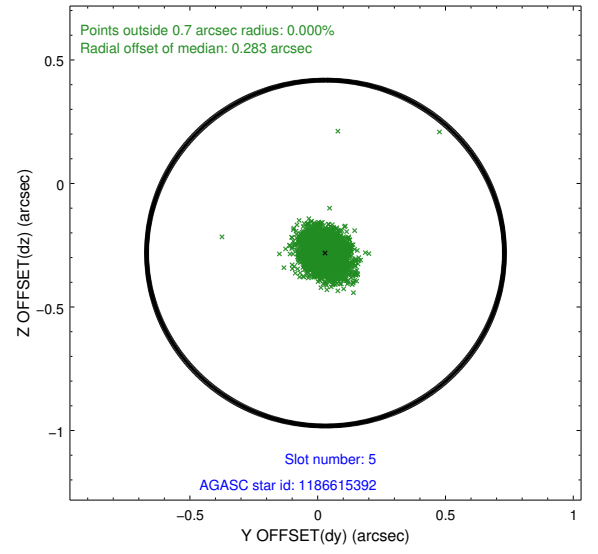
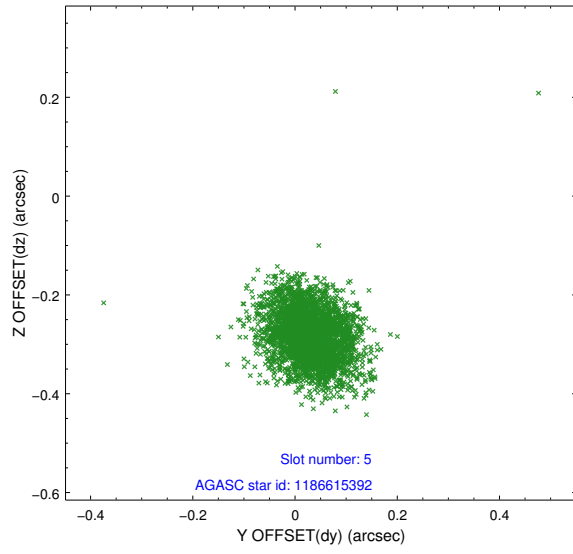
2.4.1 Slot 3



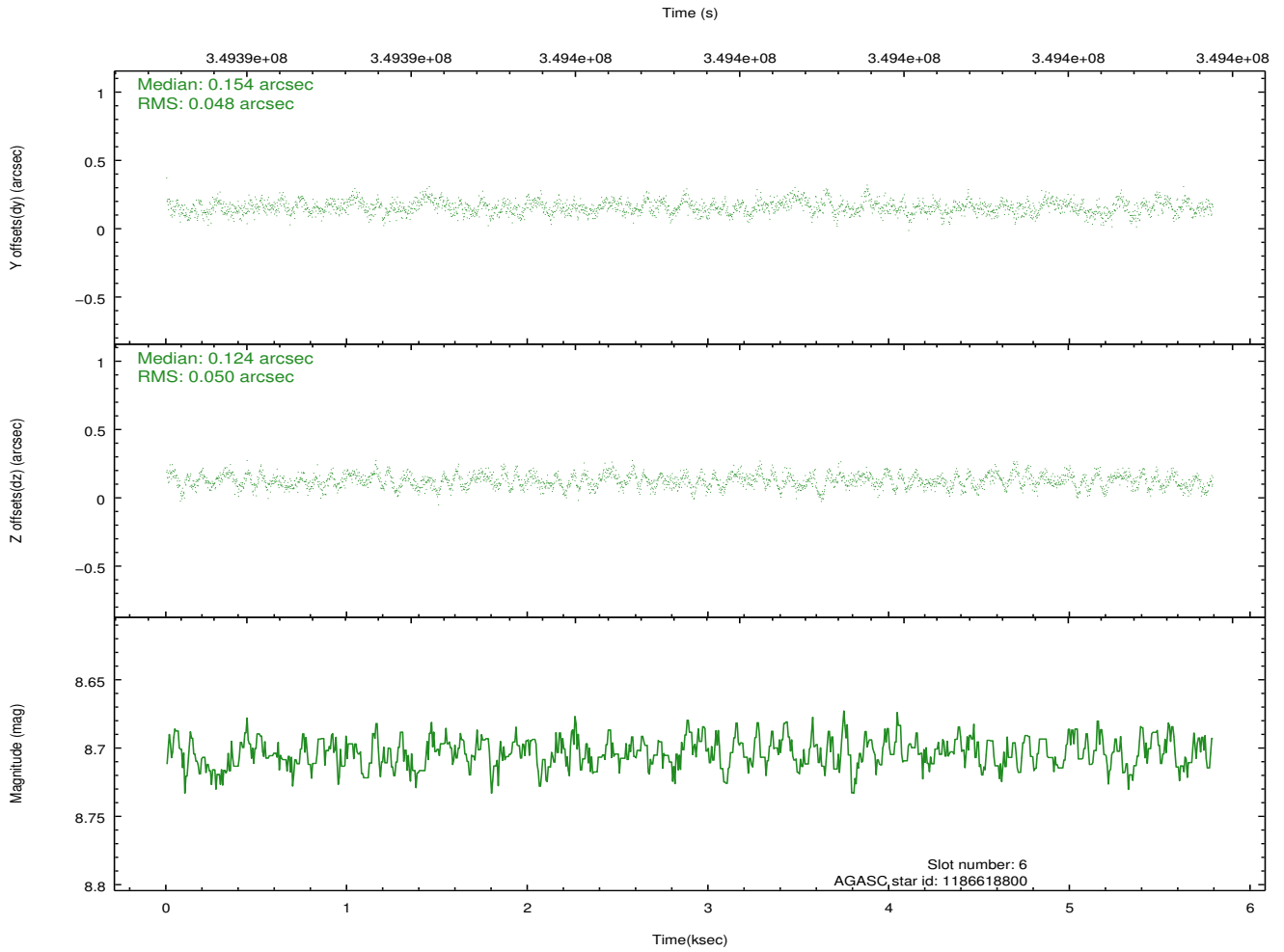
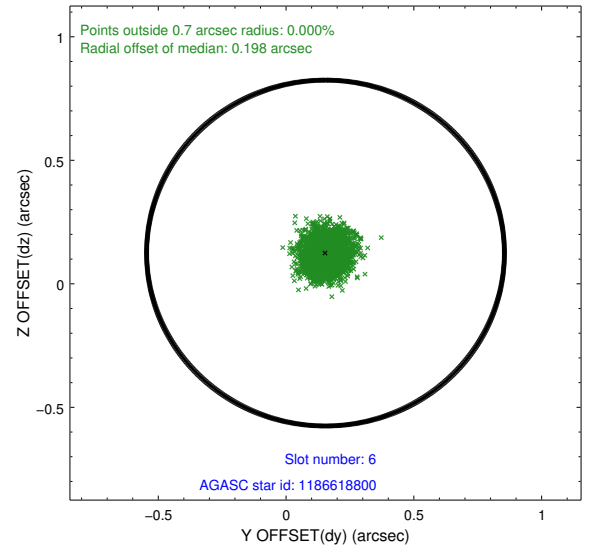
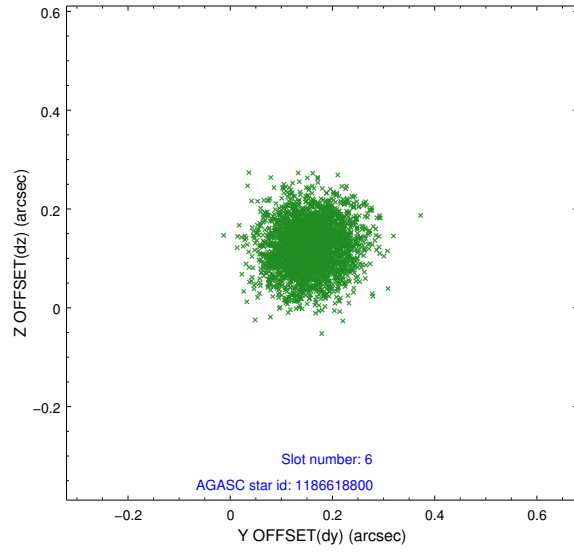
2.4.2 Slot 4



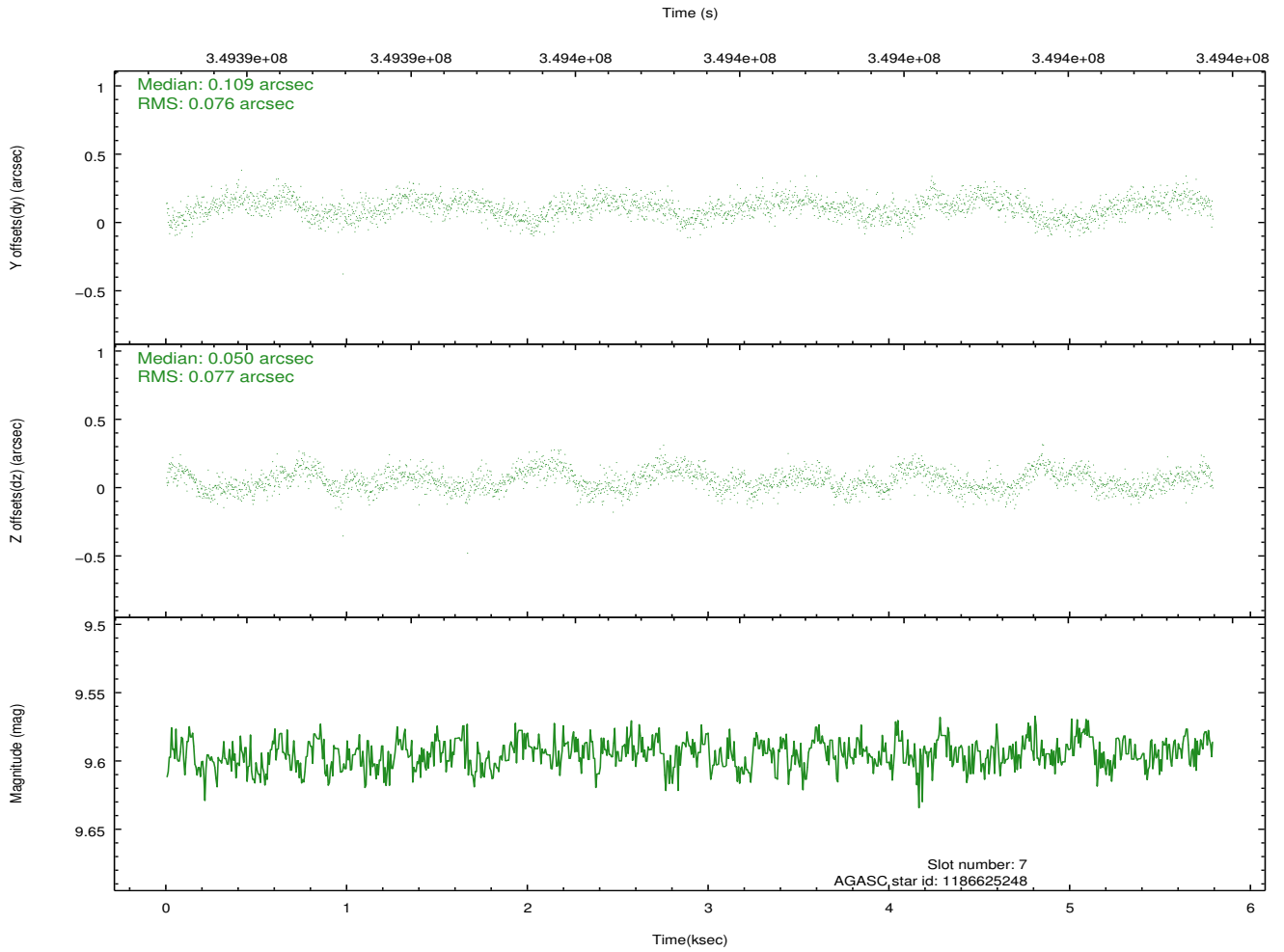
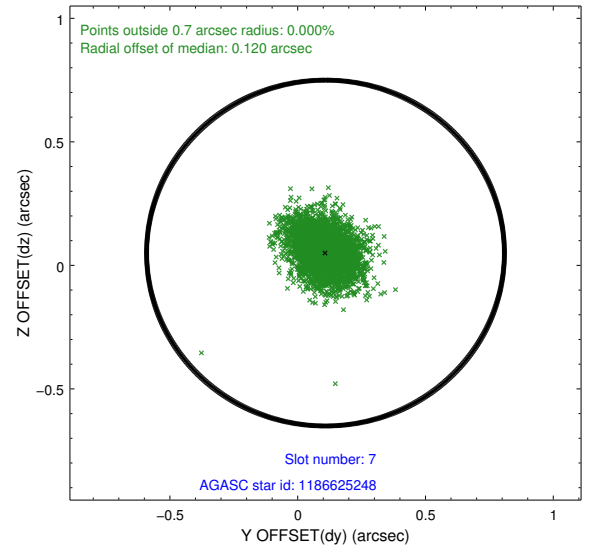
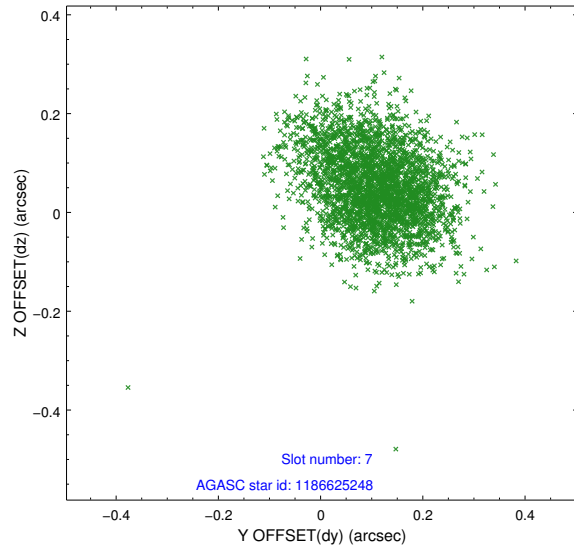
2.4.3 Slot 5



2.4.4 Slot 6

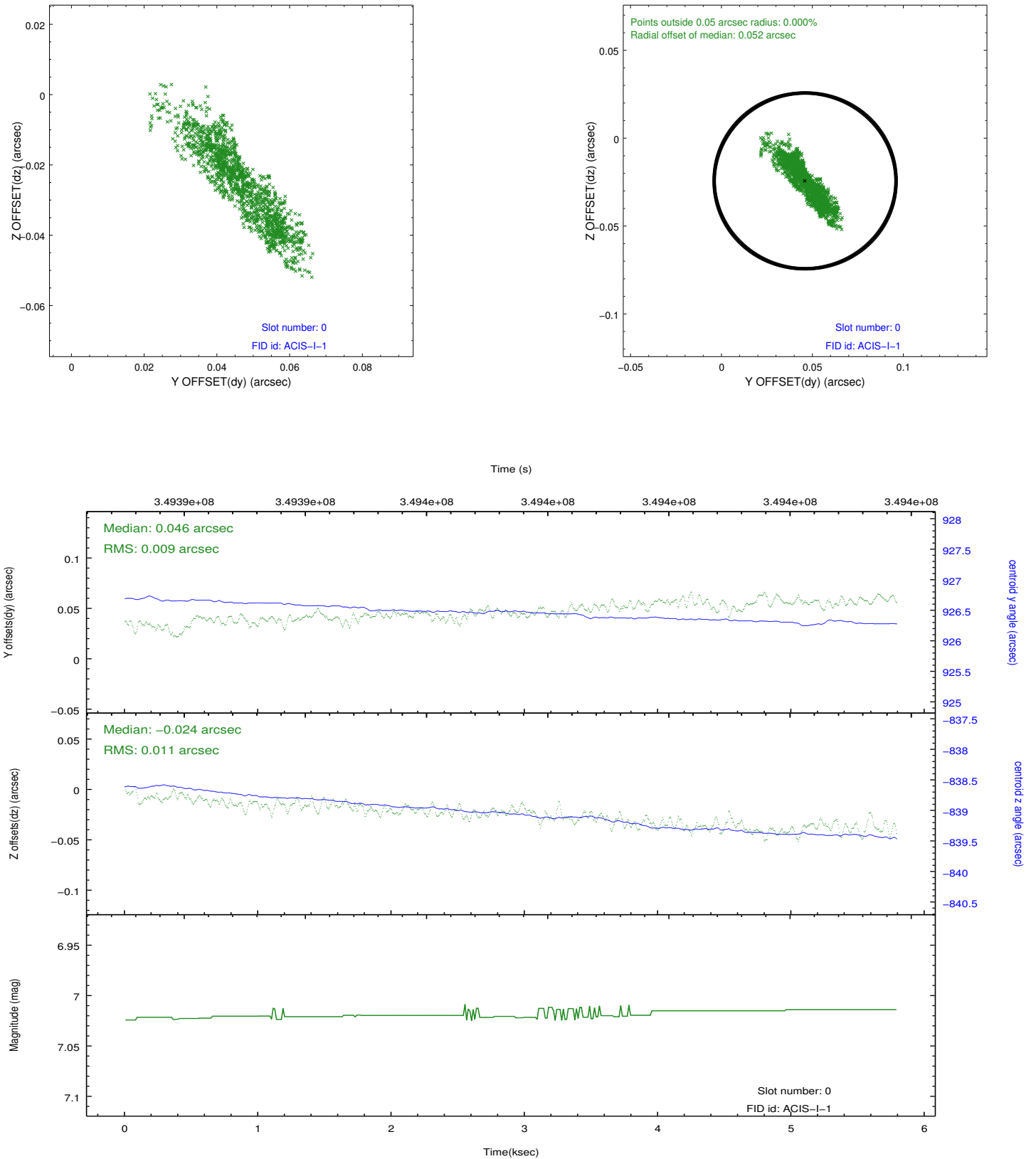


2.4.5 Slot 7

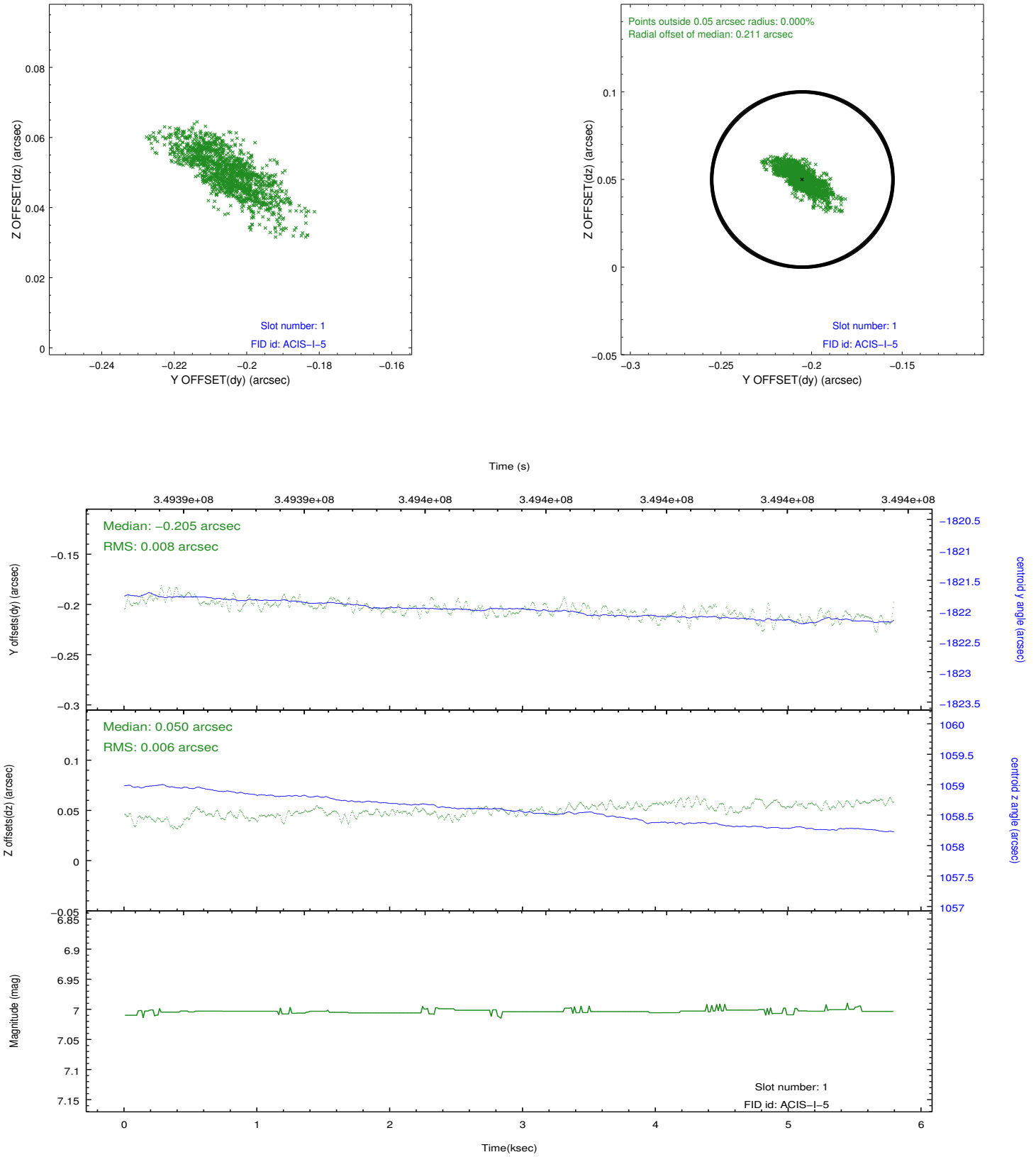


2.5 FID Slots

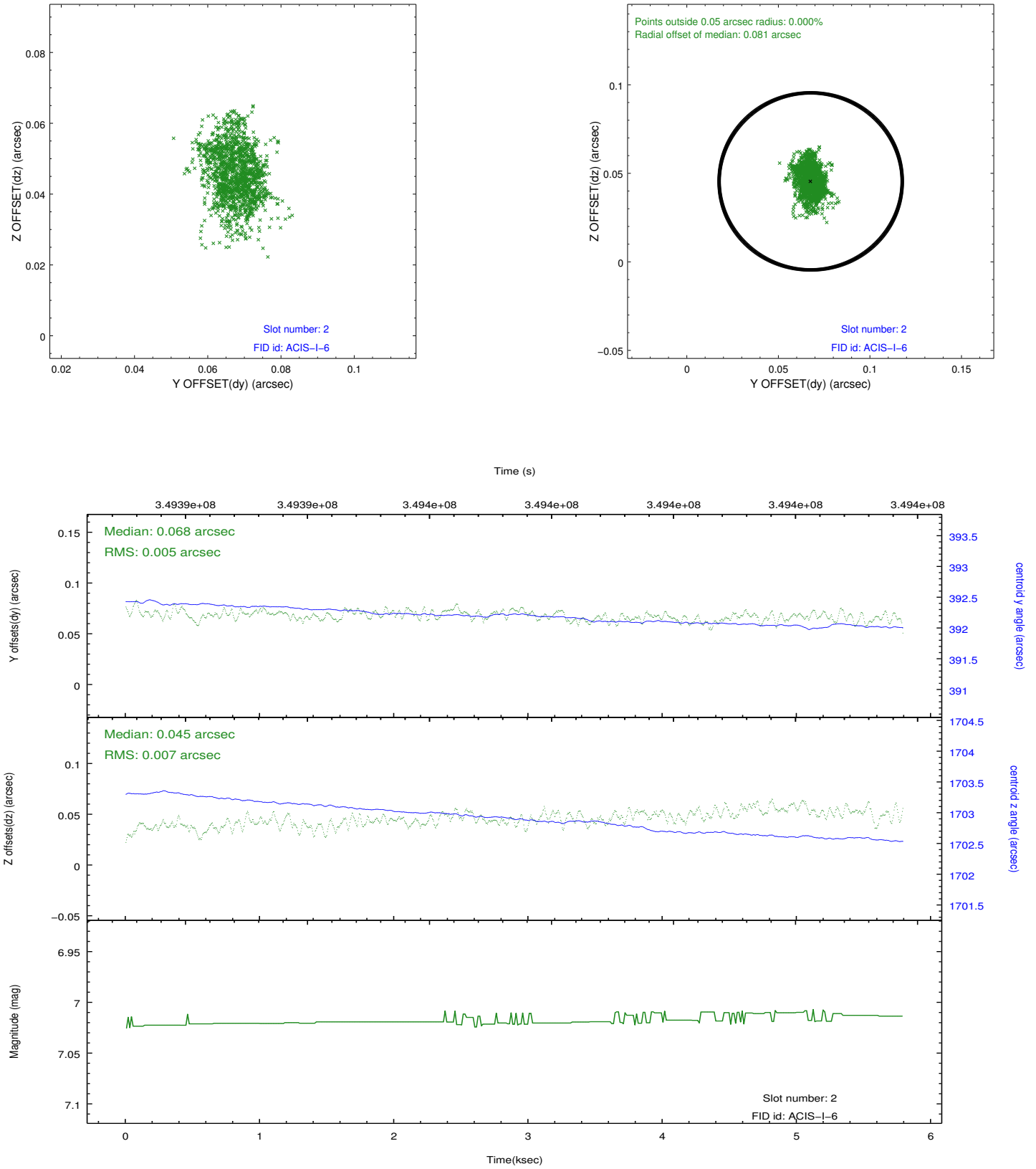
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95359998

A.2 Comments