

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8603 - L2 Version 2
Chandra X-Ray Center

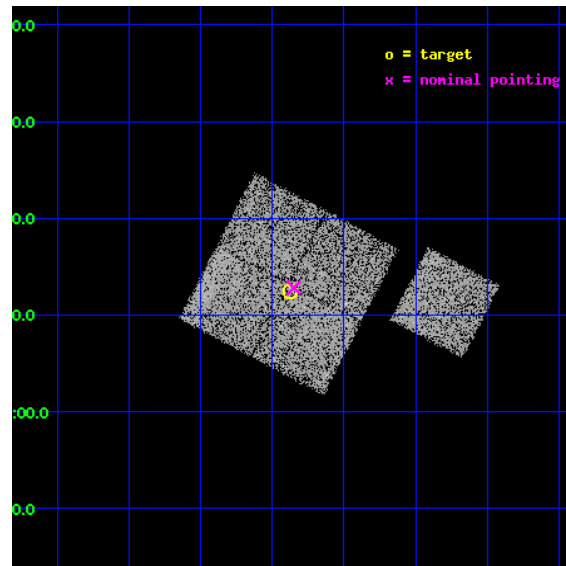
L2 Processing Date : May 19 2012

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1 Front

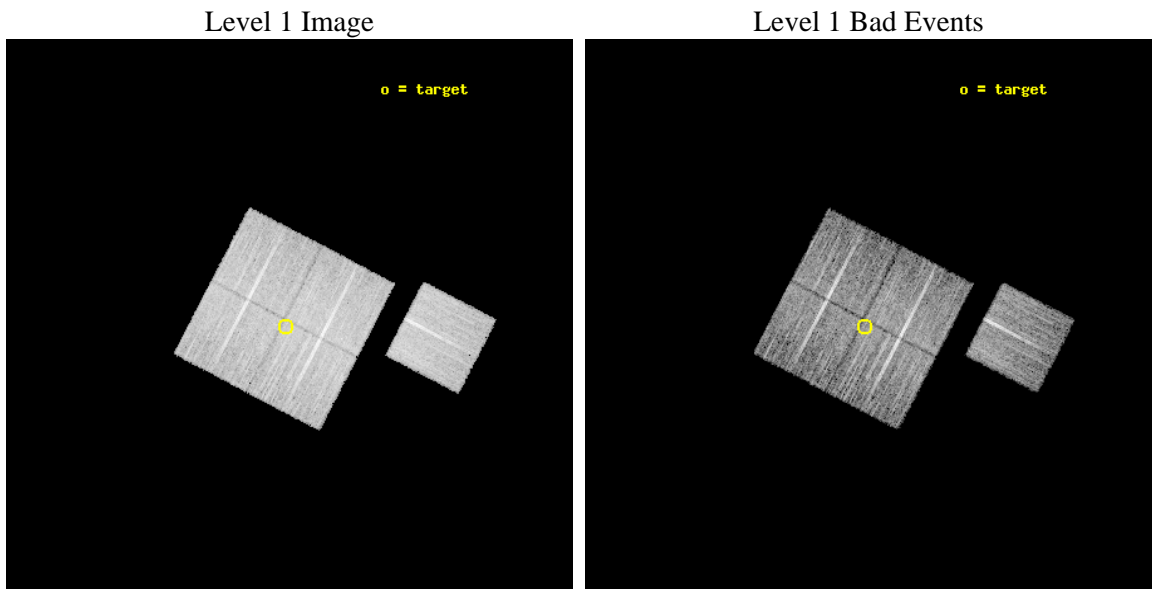
seq_num	900740	Sequence number
obs_id	8603	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	353.46809	Observer's specified target RA [deg]
dec_targ	0.207816	Observer's specified target Dec [deg]
ra_nom	353.46237799037	Nominal RA [deg]
dec_nom	0.21355333463314	Nominal Dec [deg]
roll_nom	117.50871134252	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8952.8000688553	Sum of GTIs [s]
livetime	8835.8251450002	Livetime [s]
ontime0	8952.8000688553	Sum of GTIs [s]
ontime1	8952.8000688553	Sum of GTIs [s]
ontime2	8949.6590586305	Sum of GTIs [s]
ontime3	8952.8000688553	Sum of GTIs [s]
ontime6	8952.8000688553	Sum of GTIs [s]
l2events	31128	Number of level 2 events



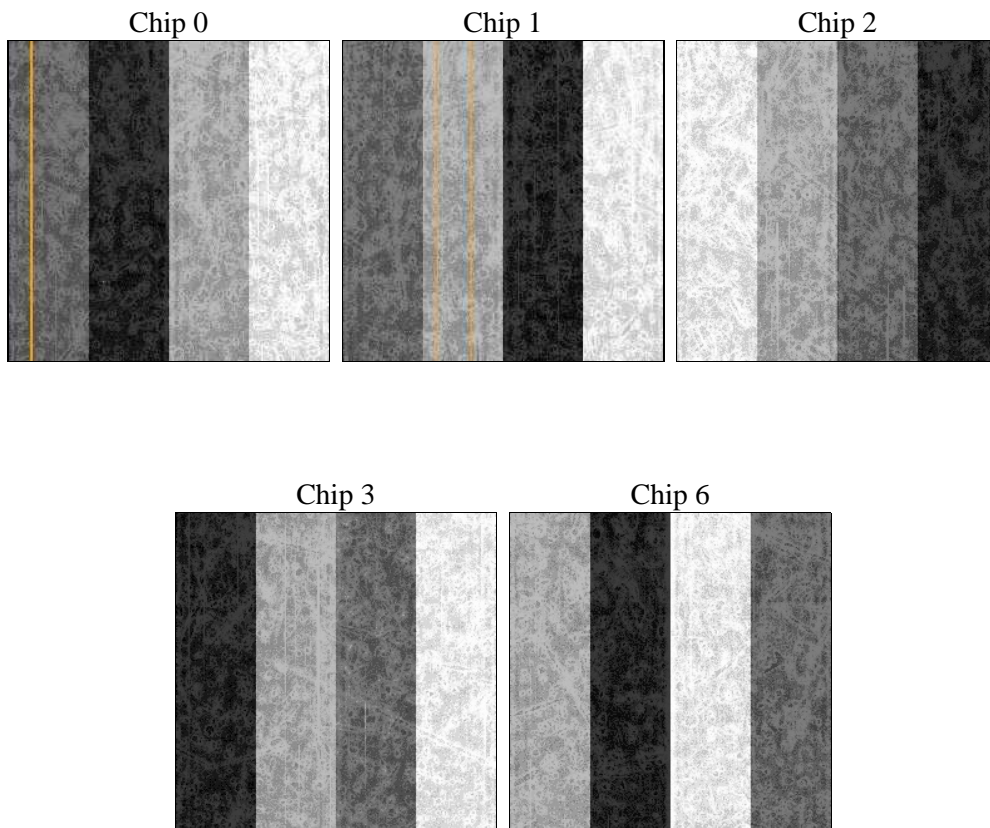
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8771.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8952.8000688553	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8952.8000688553	Sum of GTIs [s]
date	2012-05-19T01:57:17	Date and time of file creation	ontime1	8952.8000688553	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8949.6590586305	Sum of GTIs [s]
			ontime3	8952.8000688553	Sum of GTIs [s]
			ontime6	8952.8000688553	Sum of GTIs [s]
			l1events	378452	Number of level 1 events

2.1.4 Events

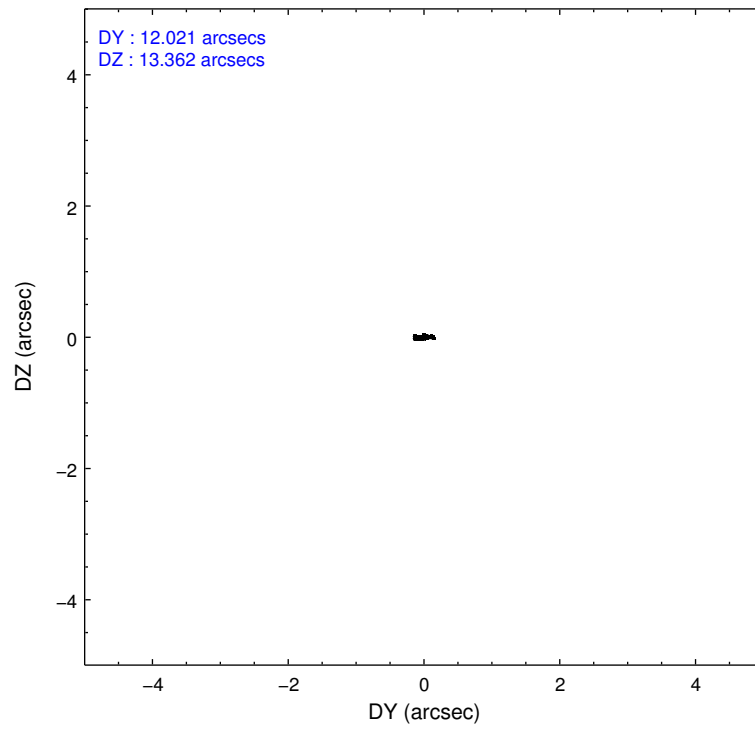
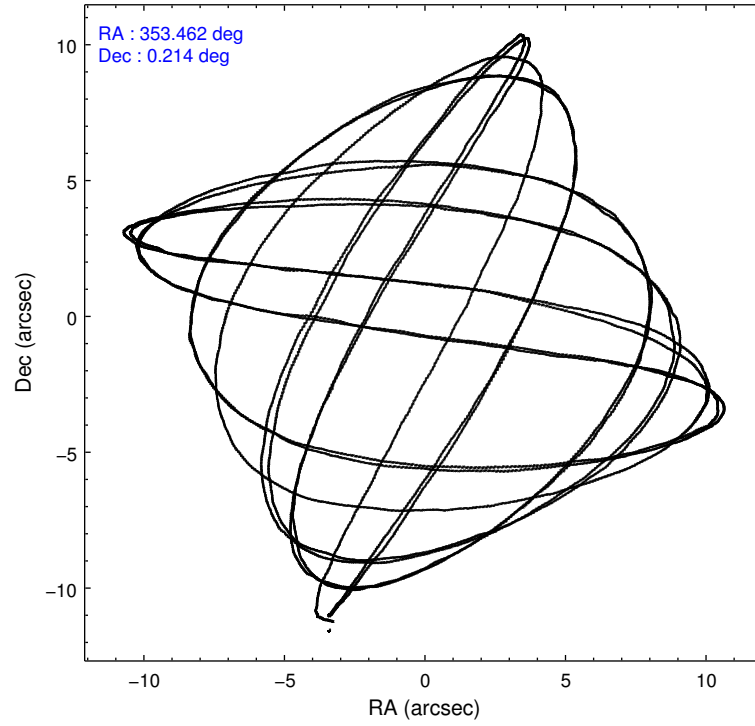
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	70480	73078	80547	77266	77081
rejected events	63284	64593	73380	70136	69587
rejected %	89%	88%	91%	90%	90%

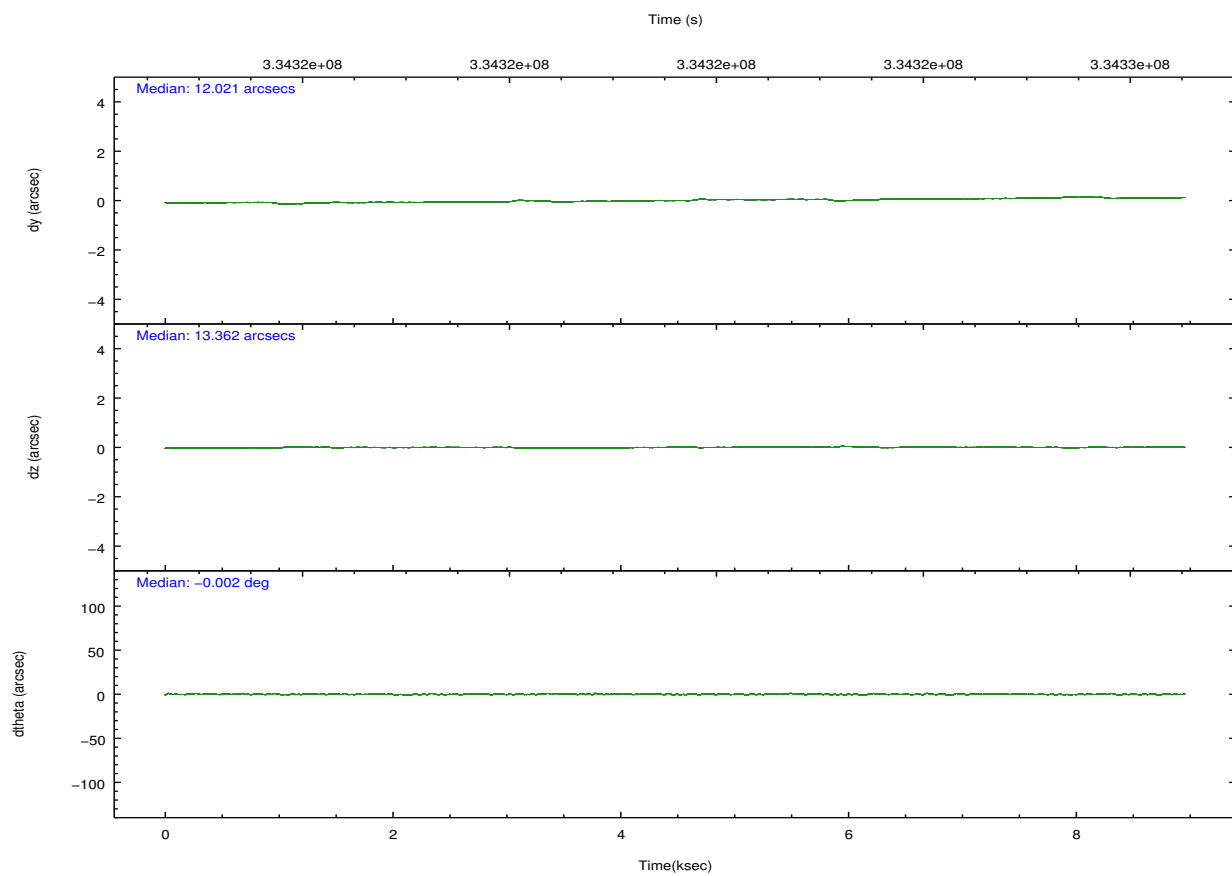
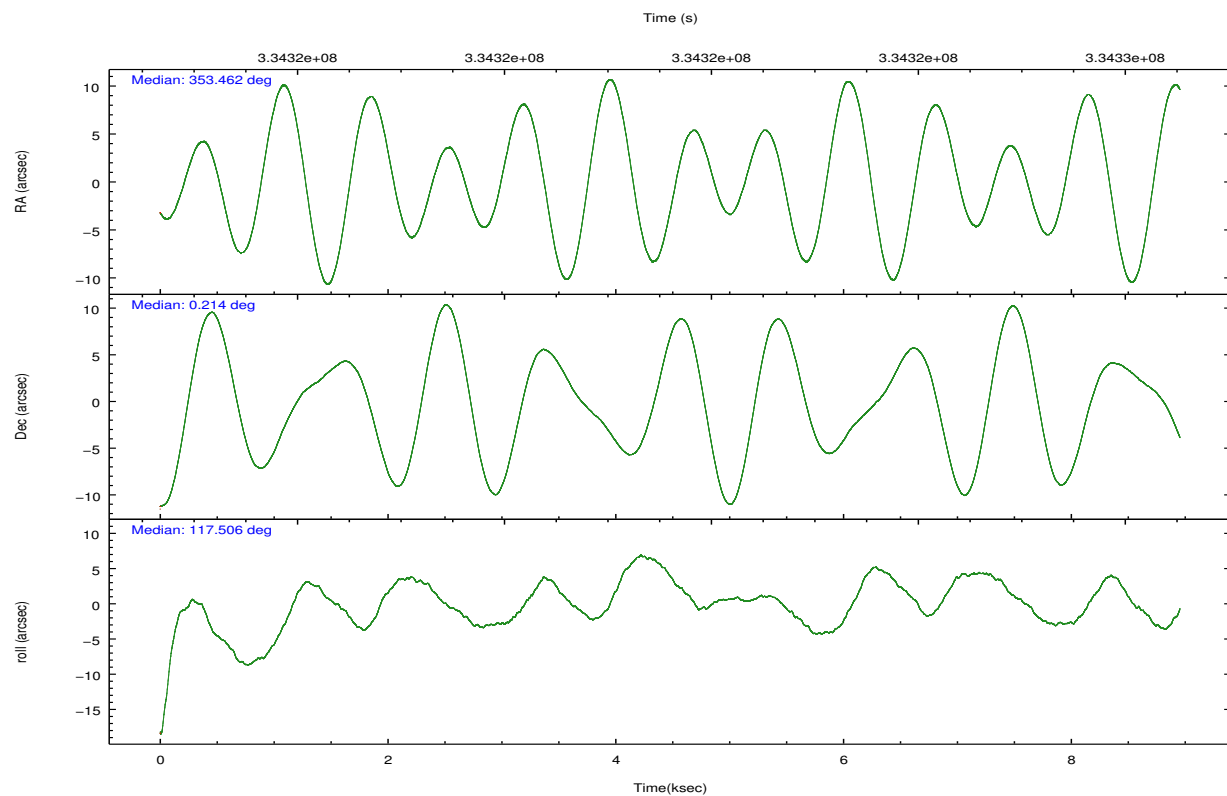
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2562	3194	2638	2632	2633
	3%	4%	3%	3%	3%
grade 1 events	41	36	47	43	29
	0%	0%	0%	0%	0%
grade 2 events	1829	2017	1813	1576	1740
	2%	2%	2%	2%	2%
grade 3 events	877	911	772	847	861
	1%	1%	0%	1%	1%
grade 4 events	755	867	834	777	820
	1%	1%	1%	1%	1%
grade 5 events	2778	3047	2600	3186	3111
	3%	4%	3%	4%	4%
grade 6 events	1481	1854	1380	1573	1728
	2%	2%	1%	2%	2%
grade 7 events	60157	61152	70463	66632	66159
	85%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	353.485645	353.4623779903653	CCD I2 on	Y	Y
[deg] Pointing Dec	0.198870	0.2135533346331418	CCD I3 on	Y	Y
[deg] Pointing Roll	117.299939	117.5087113425204	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	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	334317302.184000	334316926.43041	CCD S5 on	N	N
Observation start date	2008-08-05T09:53:57	2008-08-05T09:48:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334326073.184000	334326242.14337	On-chip summing requested	N	N
Observation end date	2008-08-05T12:20:08	2008-08-05T12:24:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



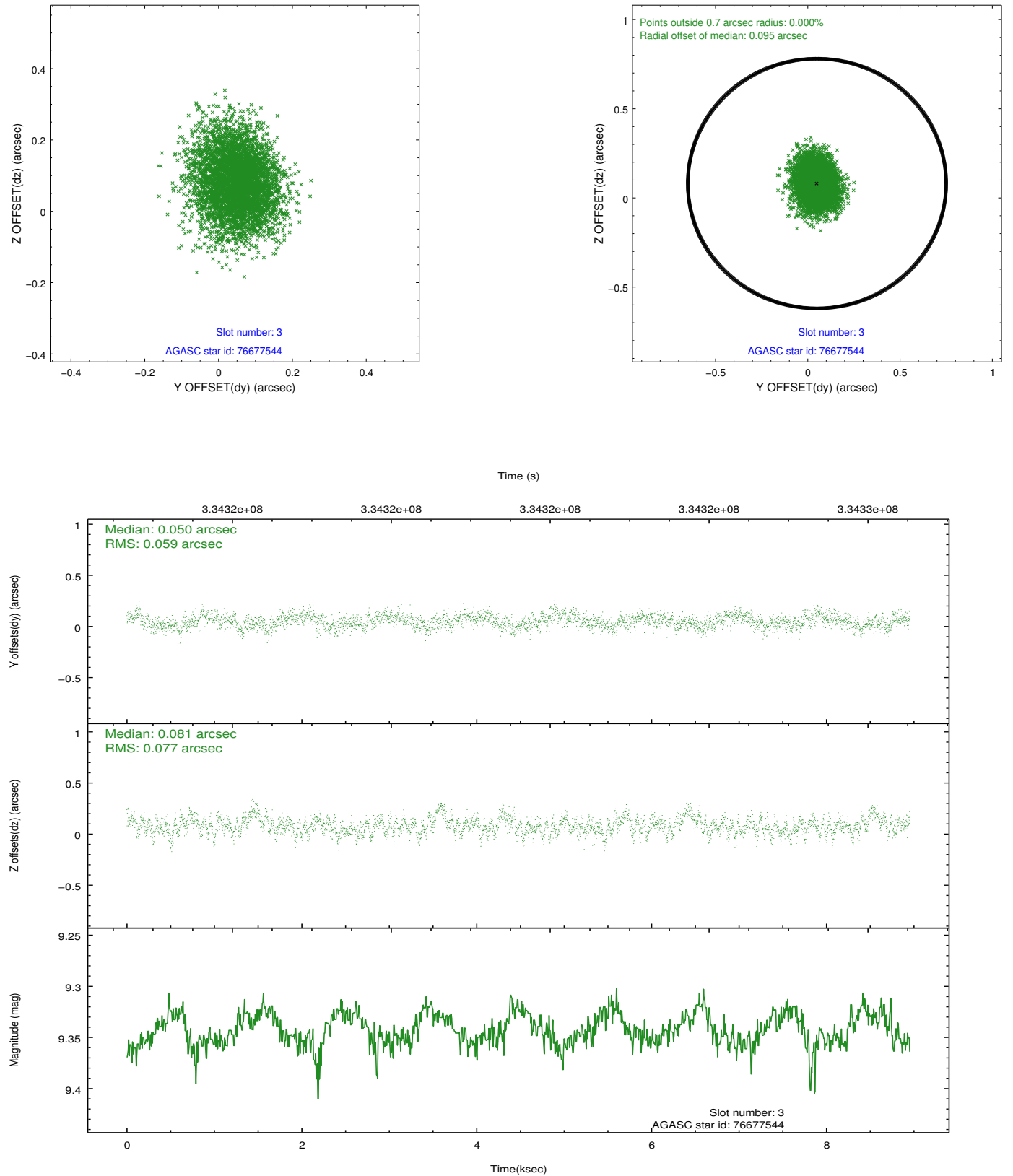


Slot Statistics

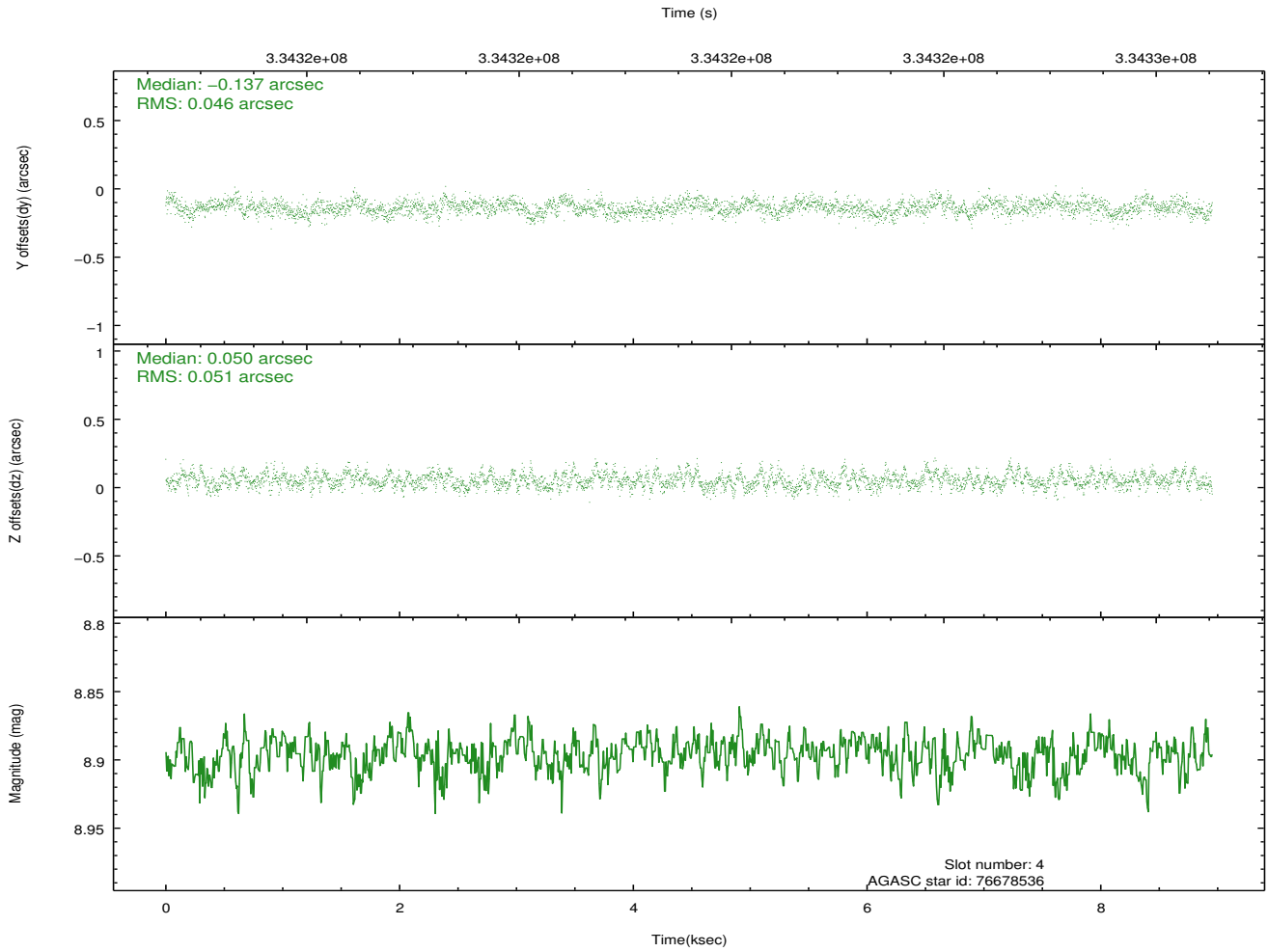
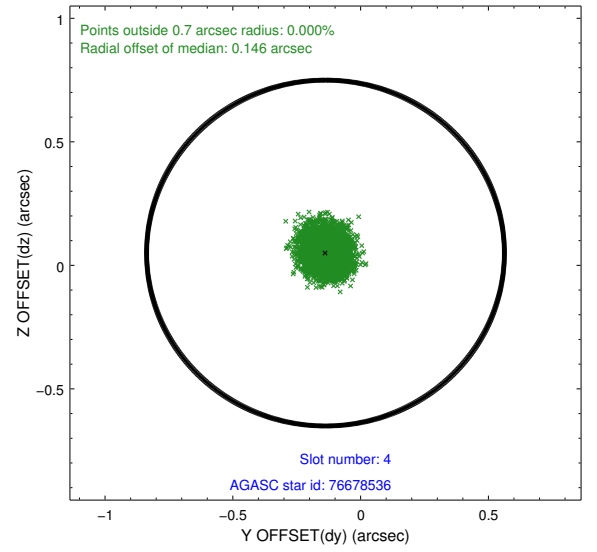
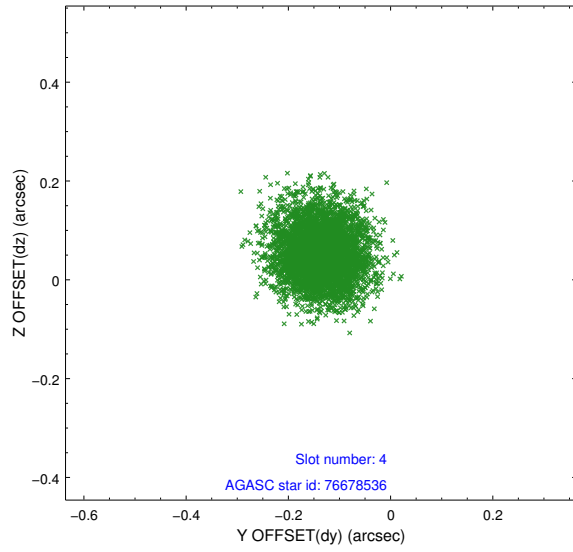
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	2185	0.012	0.035	0.006	0.011	0.000000	0.000000	927.53	-836.88
1	FID	ACIS-I-5	7.03	2185	-0.156	0.039	0.006	0.010	0.000000	0.000000	-1820.41	1060.30
2	FID	ACIS-I-6	7.03	2185	0.052	-0.003	0.007	0.011	0.000000	0.000000	392.44	1705.46
3	GUIDE	76677544	9.34	4365	0.050	0.081	0.103	0.168	353.780973	0.190917	-512.81	-931.41
4	GUIDE	76678536	8.90	4364	-0.137	0.050	0.073	0.119	353.237558	0.180446	350.38	823.91
5	GUIDE	76685264	9.70	4352	-0.186	-0.128	0.121	0.187	353.301878	0.237362	426.60	524.56
6	GUIDE	688260544	8.36	4368	0.142	0.022	0.073	0.118	353.530418	-0.423696	-2065.30	884.83
7	GUIDE	688265920	8.10	4368	0.130	-0.024	0.061	0.097	353.620473	-0.325855	-1901.70	435.34

2.4 Star Slots

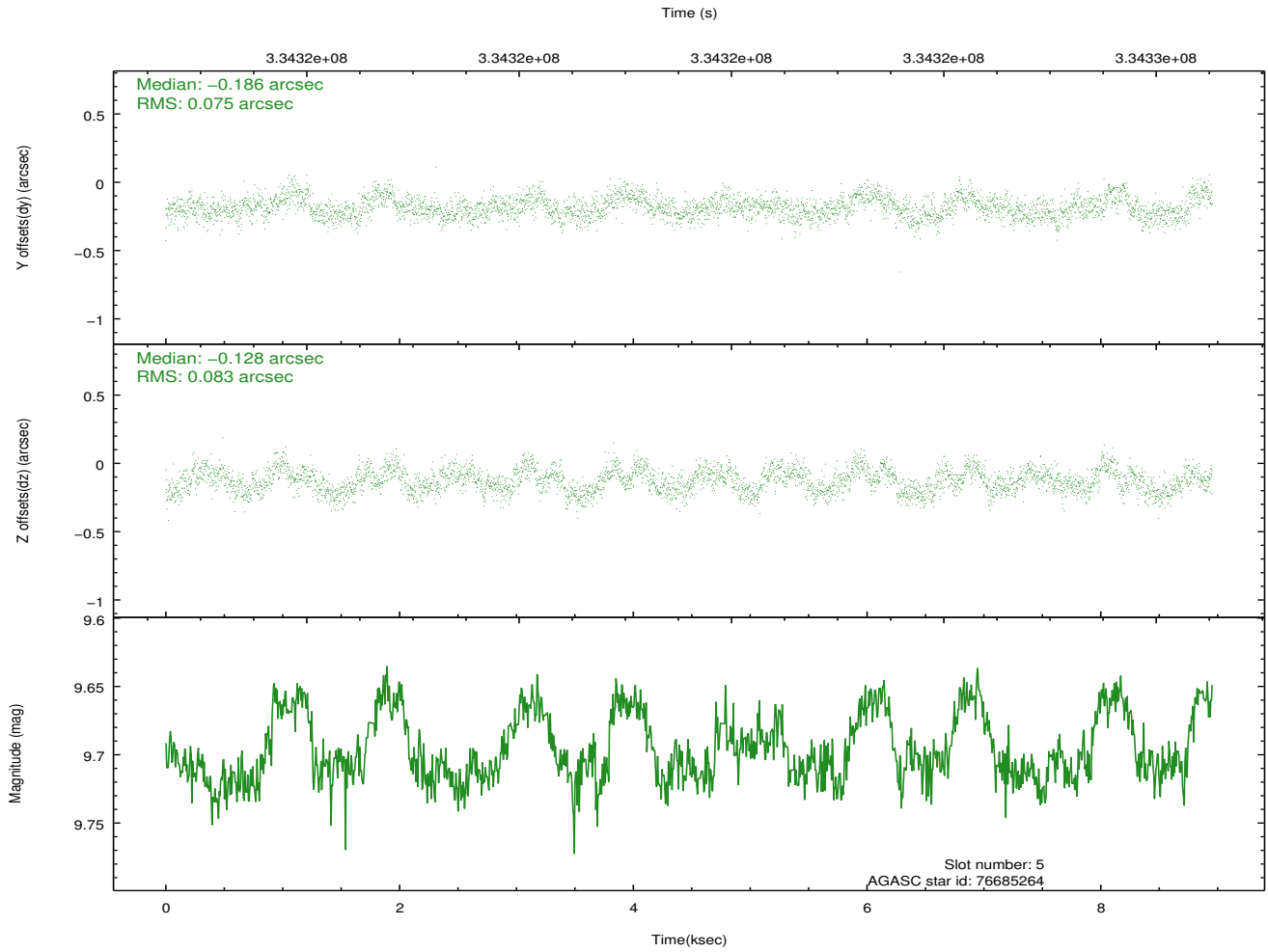
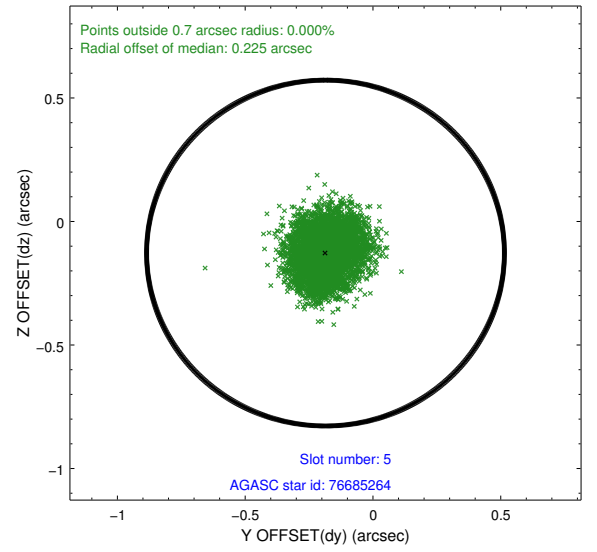
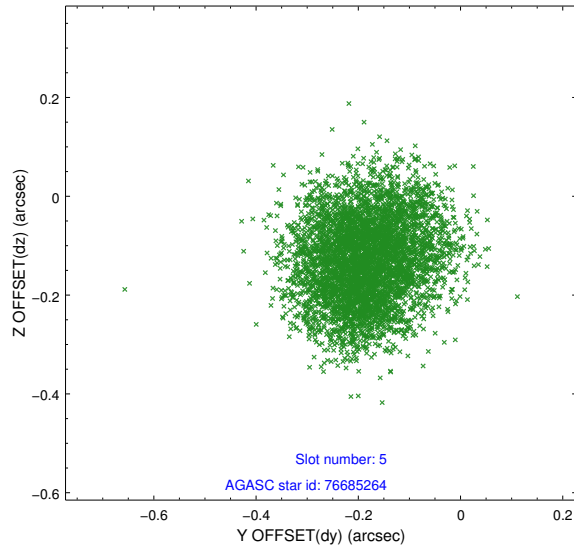
2.4.1 Slot 3



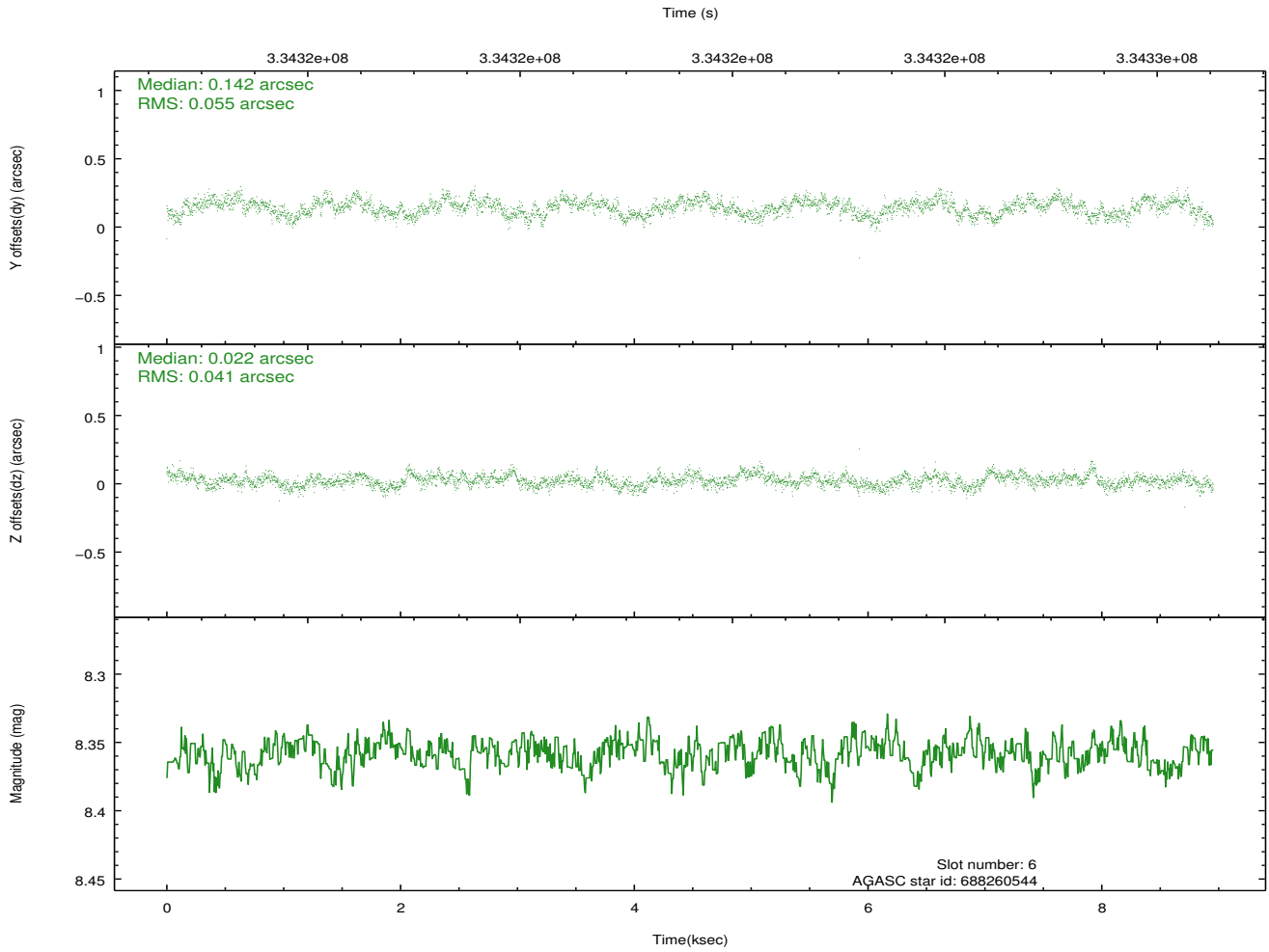
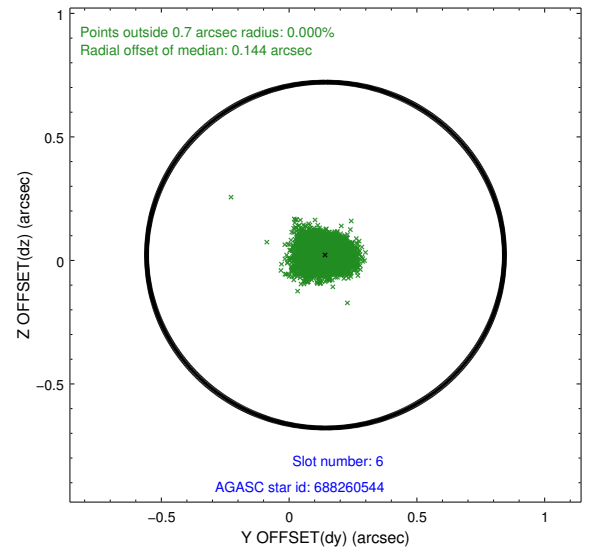
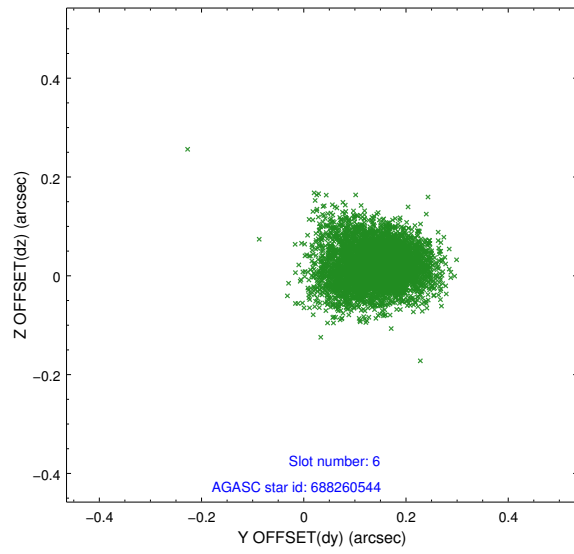
2.4.2 Slot 4



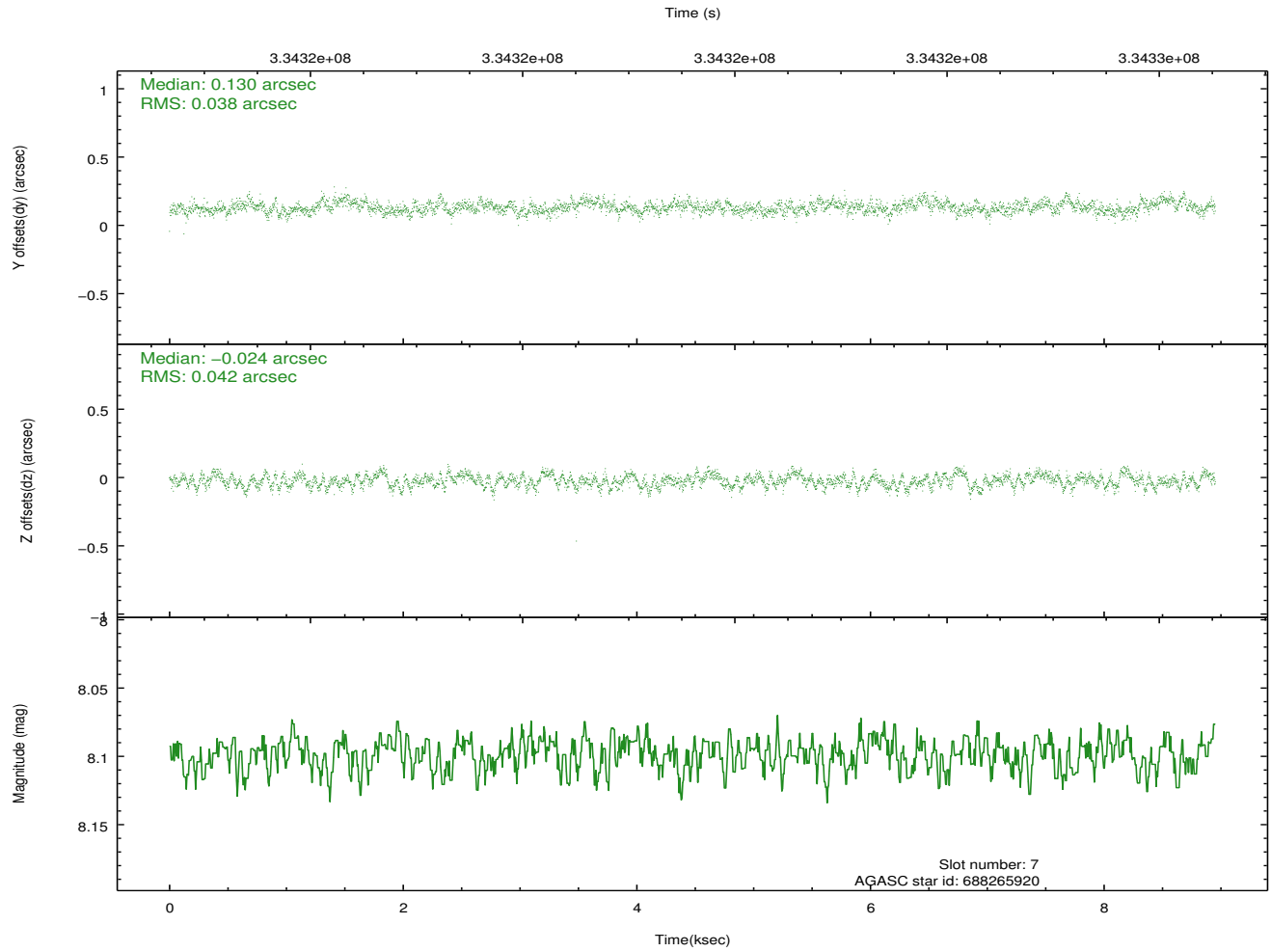
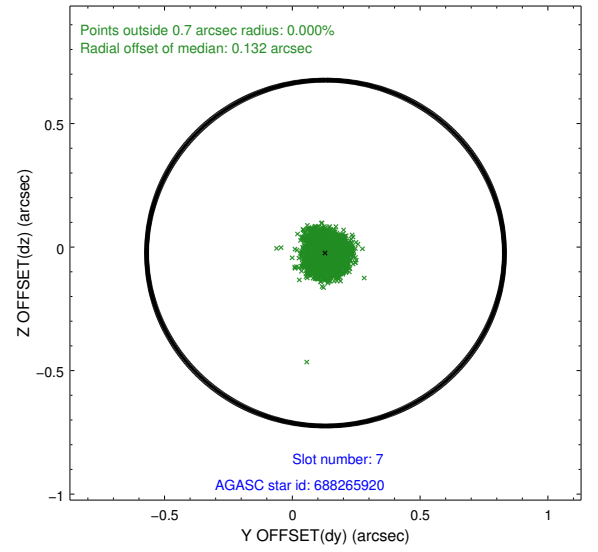
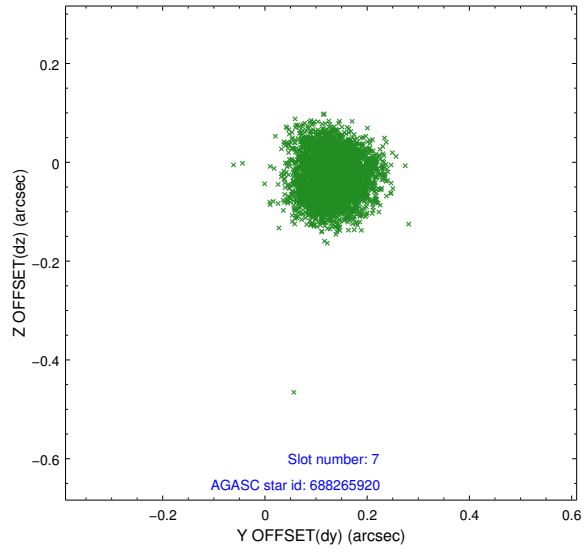
2.4.3 Slot 5



2.4.4 Slot 6

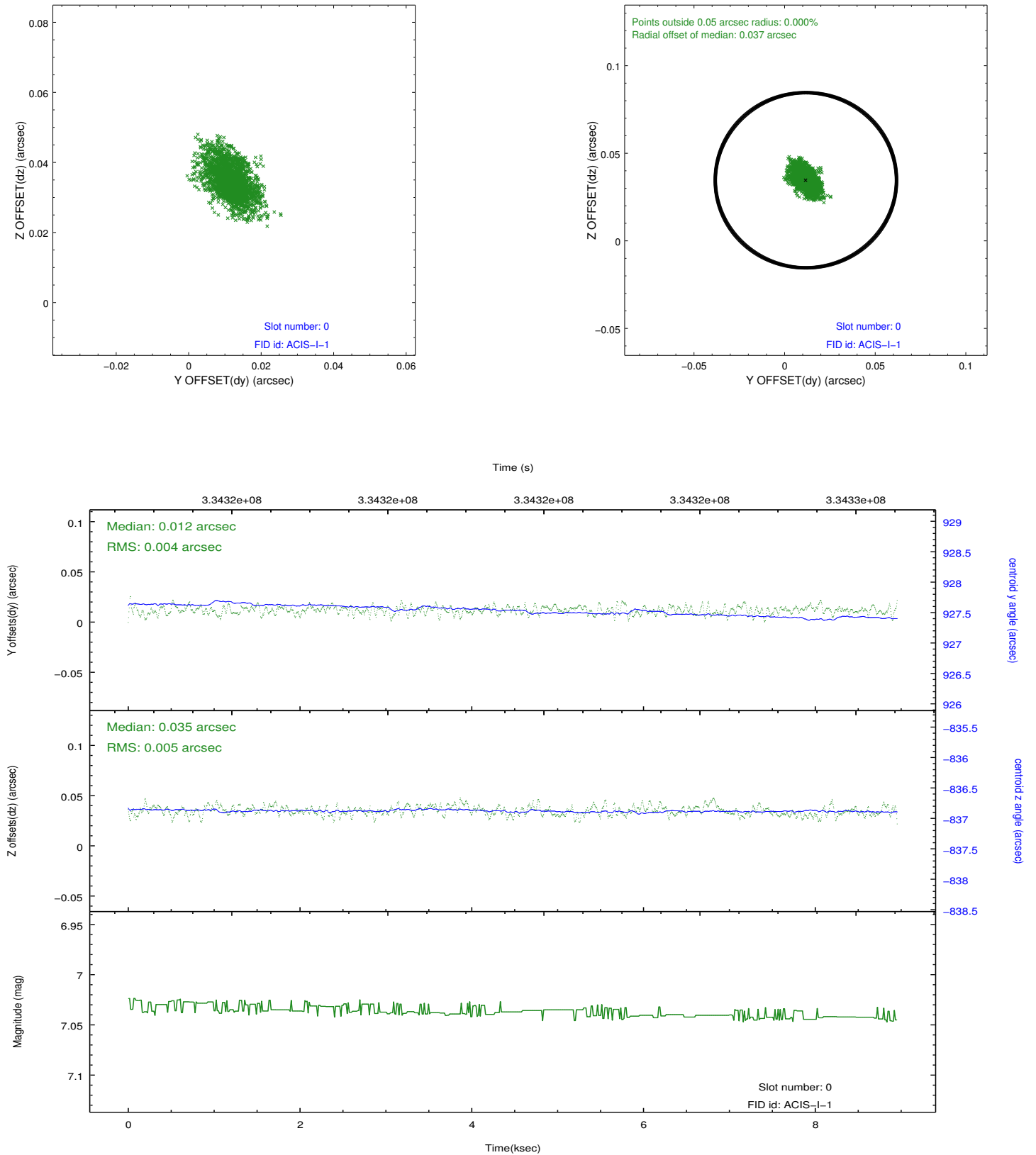


2.4.5 Slot 7

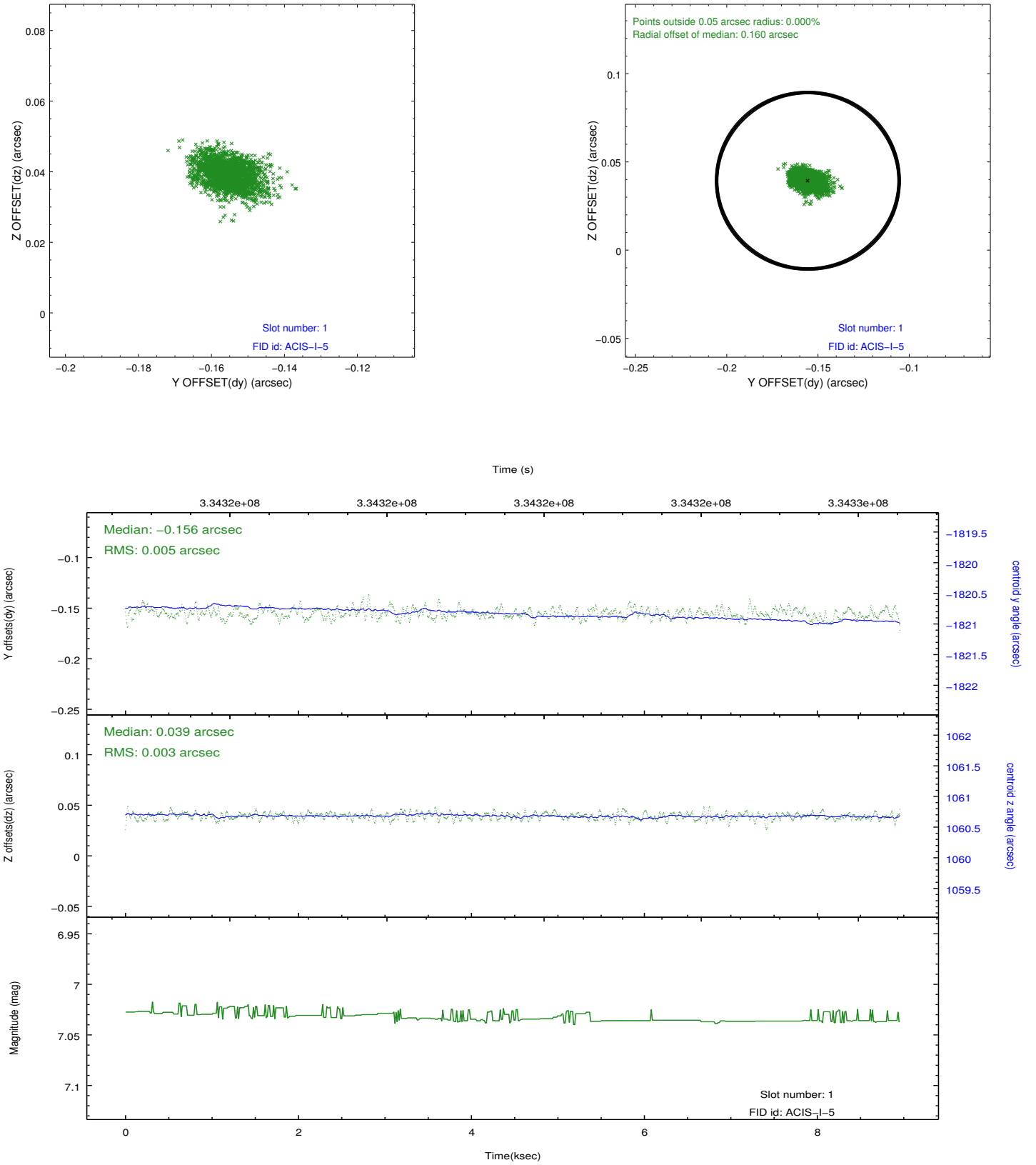


2.5 FID Slots

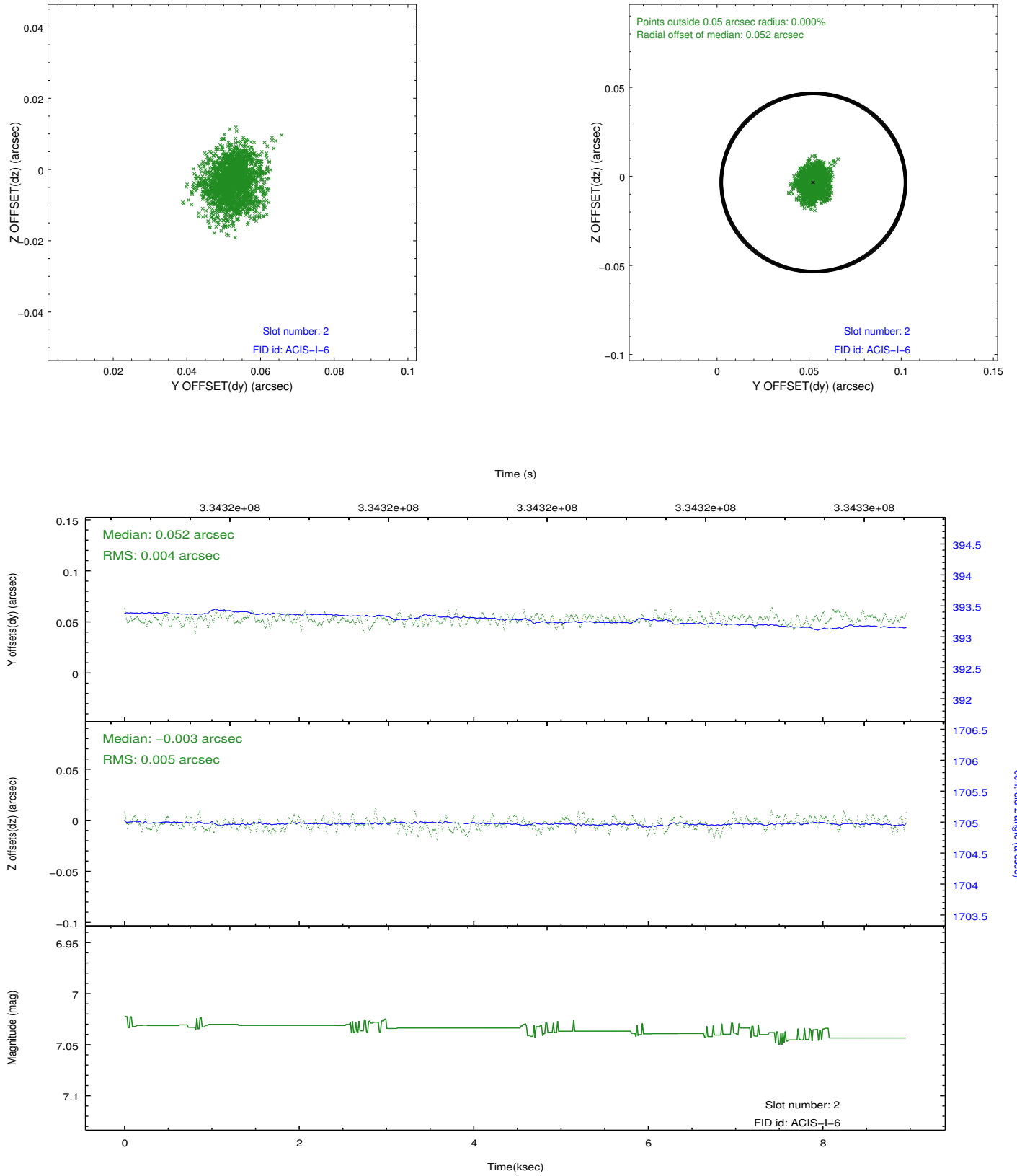
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.95280006

A.2 Comments