

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12718 - L2 Version 1
Chandra X-Ray Center

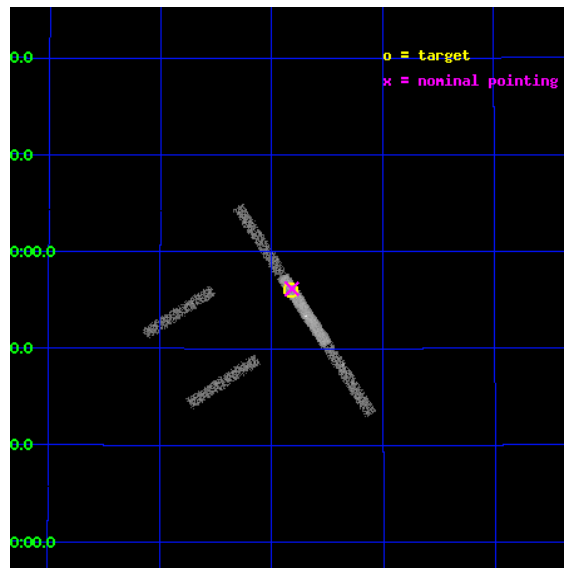
L2 Processing Date : Jan 18 2012

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1 Front

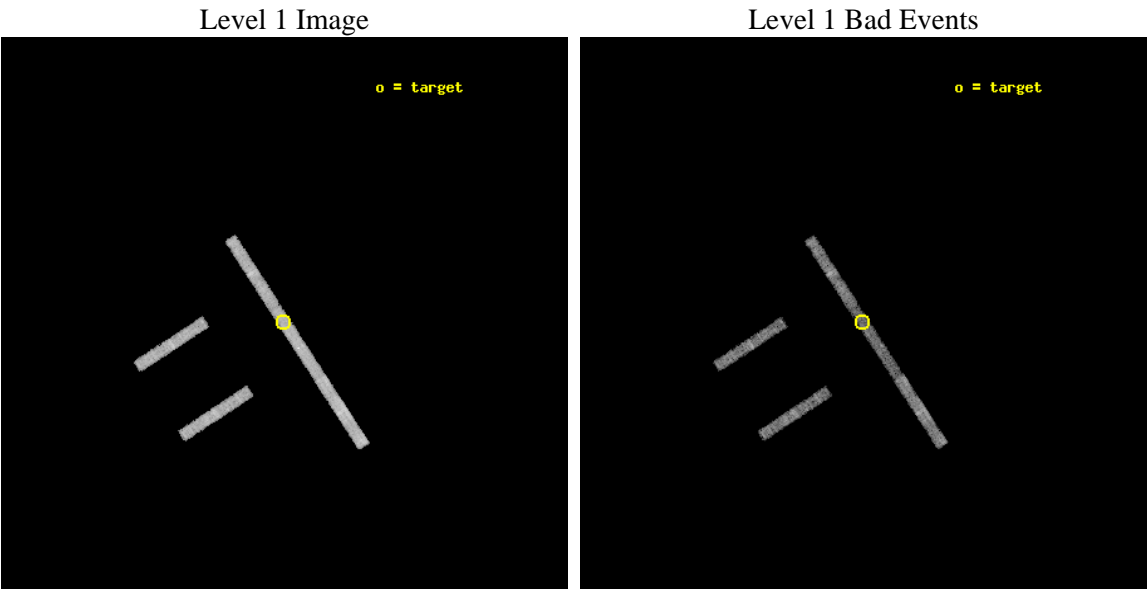
seq_num	702354	Sequence number
obs_id	12718	Observation id
title	First X-ray observations of Low-Power Compact Steep Spectrum Sources	
observer	Dr Magdalena Kunert-Bajraszewska	Principal investigator
object	1542+390	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	235.95625	Observer's specified target RA [deg]
dec_targ	38.933722	Observer's specified target Dec [deg]
ra_nom	235.95459203322	Nominal RA [deg]
dec_nom	38.936424900726	Nominal Dec [deg]
roll_nom	56.961525812038	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10064.599828541	Sum of GTIs [s]
livetime	9507.2059267771	Livetime [s]
ontime2	10064.599828541	Sum of GTIs [s]
ontime3	10064.599828541	Sum of GTIs [s]
ontime6	10064.599828541	Sum of GTIs [s]
ontime7	10064.599828541	Sum of GTIs [s]
ontime8	10064.599828541	Sum of GTIs [s]
l2events	9820	Number of level 2 events



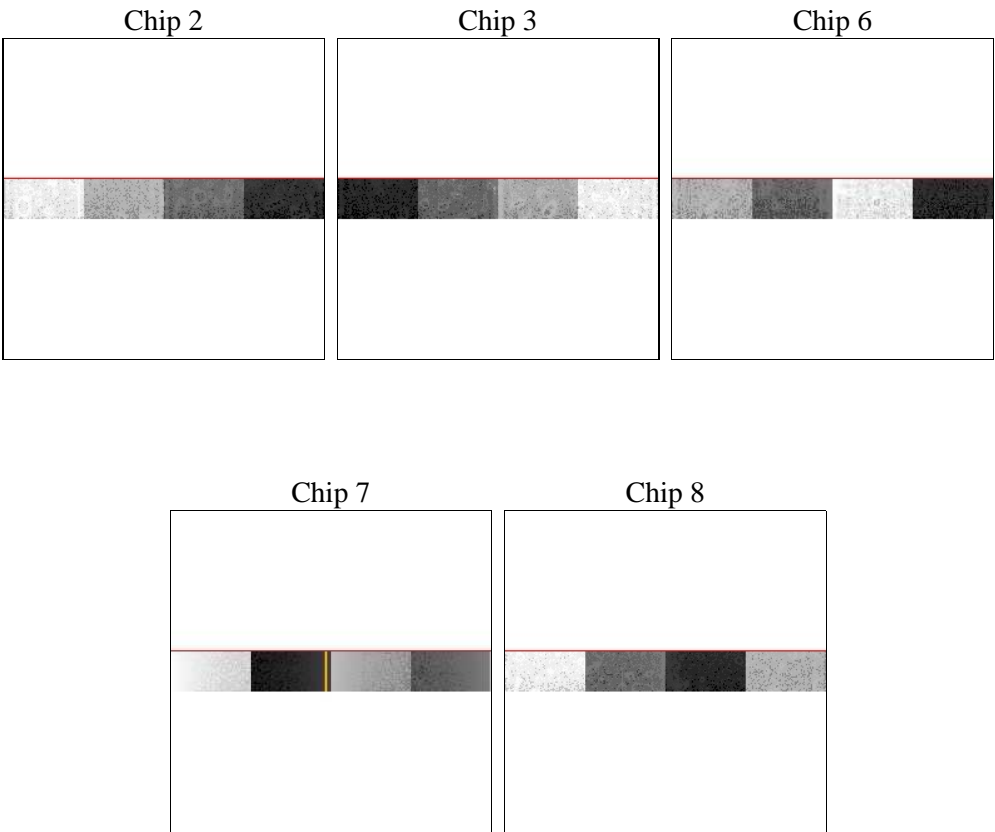
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 7



Chip 8



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10064.599828541	Sum of GTIs [s]
caldsver	4.4.7	 	ontime2	10064.599828541	Sum of GTIs [s]
date	2012-01-18T08:35:37	Date and time of file creation	ontime3	10064.599828541	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10064.599828541	Sum of GTIs [s]
			ontime7	10064.599828541	Sum of GTIs [s]
			ontime8	10064.599828541	Sum of GTIs [s]
			l1events	59068	Number of level 1 events

2.1.4 Events

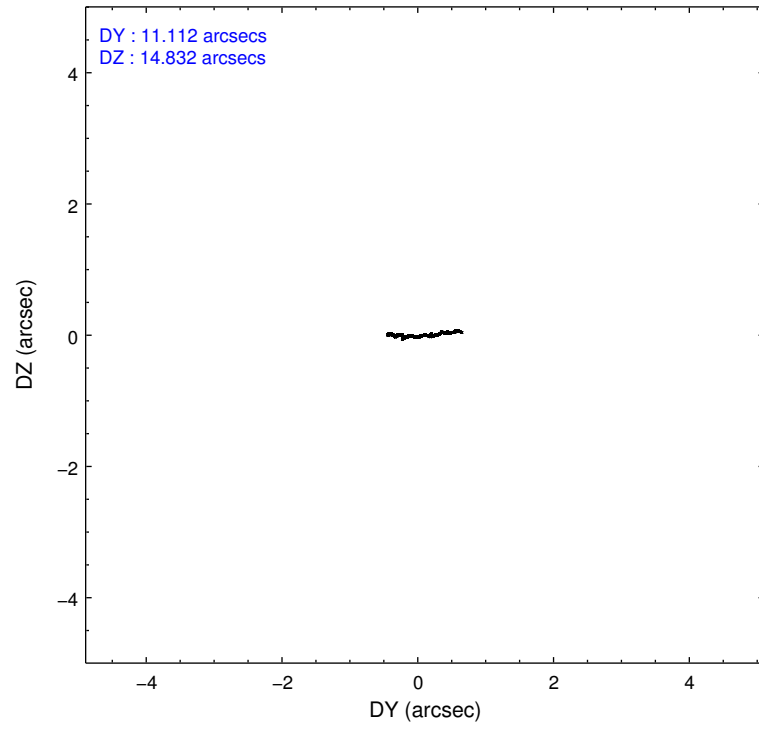
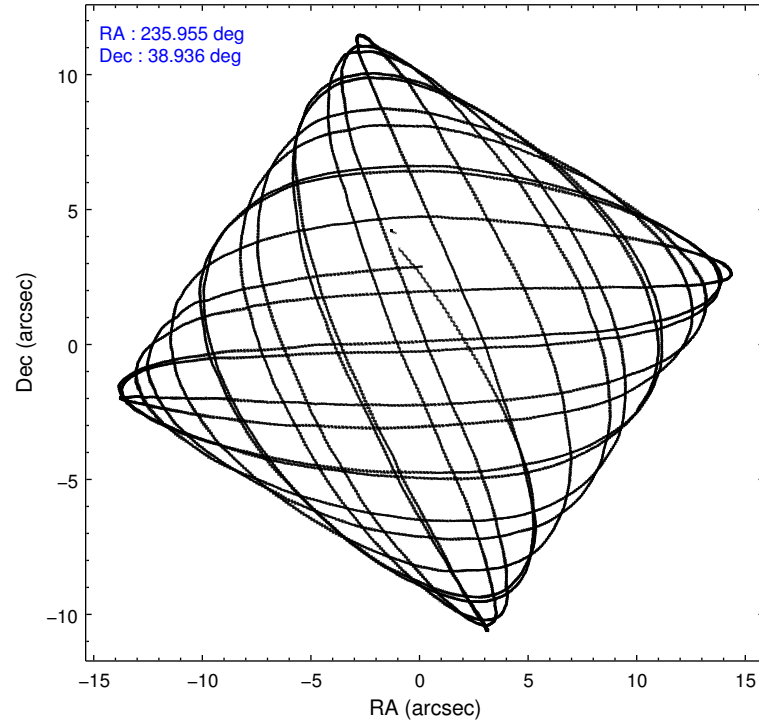
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	10207	10131	10824	12171	15735
rejected events	8992	8974	9585	6204	11951
rejected %	88%	88%	88%	50%	75%

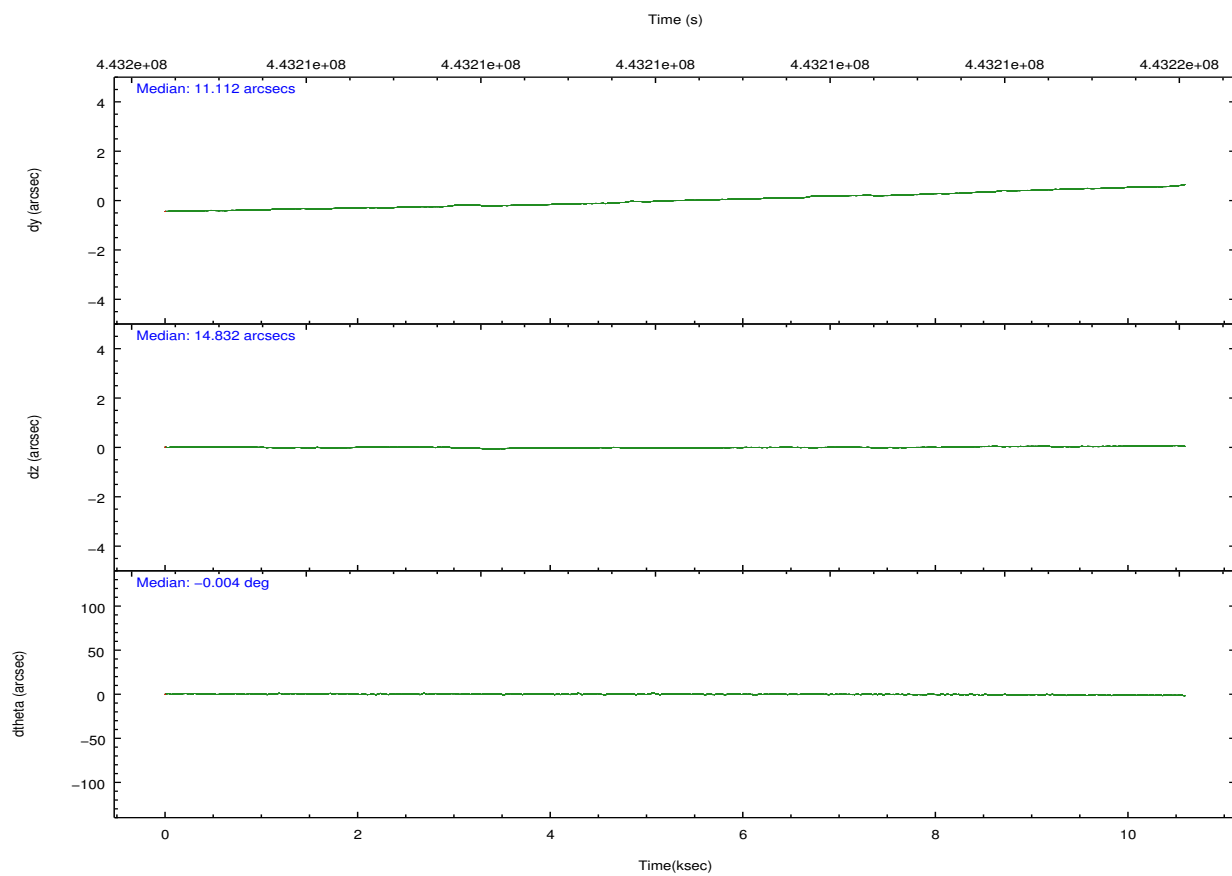
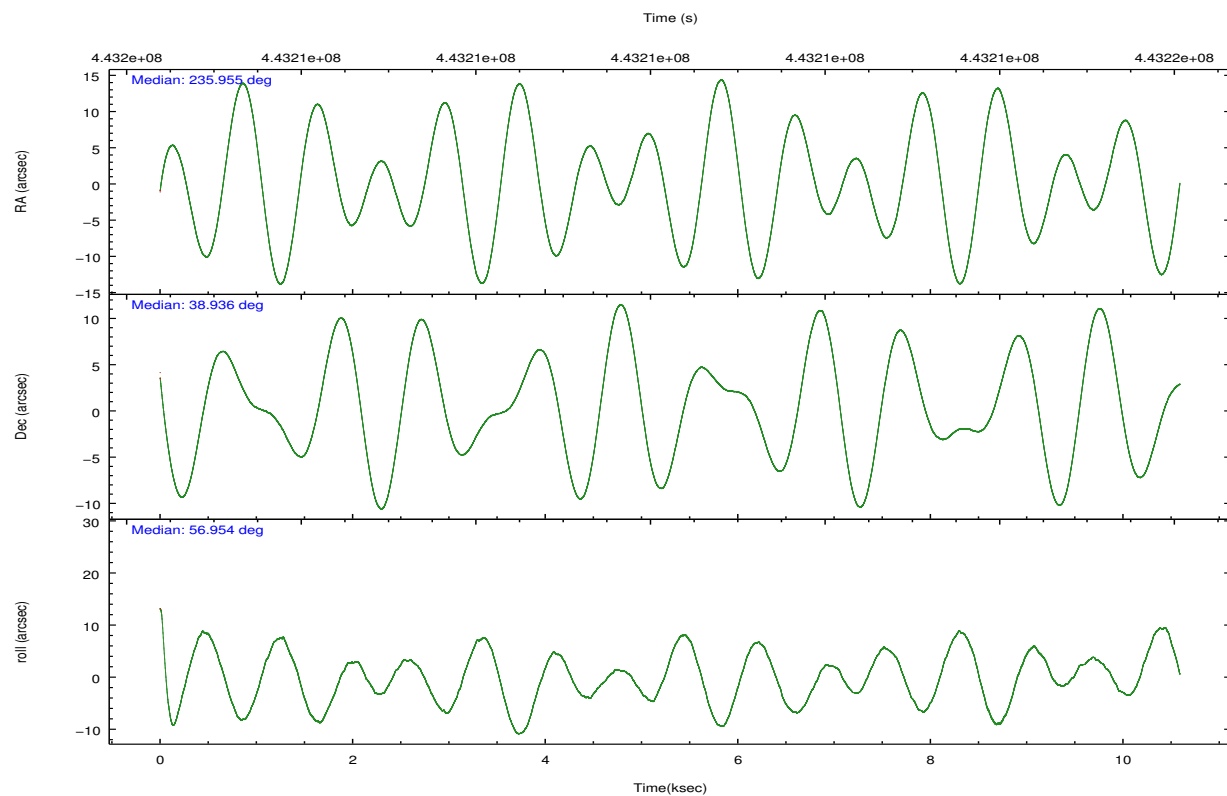
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	367	363	367	722	967
	3%	3%	3%	5%	6%
grade 1 events	9	5	3	16	10
	0%	0%	0%	0%	0%
grade 2 events	241	195	246	1264	789
	2%	1%	2%	10%	5%
grade 3 events	201	214	197	685	420
	1%	2%	1%	5%	2%
grade 4 events	220	175	200	688	401
	2%	1%	1%	5%	2%
grade 5 events	331	389	385	1177	566
	3%	3%	3%	9%	3%
grade 6 events	187	210	229	2608	1207
	1%	2%	2%	21%	7%
grade 7 events	8651	8580	9197	5011	11375
	84%	84%	84%	41%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	235.953253	235.9545920332242	CCD I2 on	O4	Y
[deg] Pointing Dec	38.909156	38.93642490072557	CCD I3 on	O2	Y
[deg] Pointing Roll	56.805717	56.96152581203796	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O3	Y
[s] Observation start time (MET)	443205521.184000	443204596.88451	CCD S5 on	N	N
Observation start date	2012-01-17T16:37:35	2012-01-17T16:23:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	443215521.184000	443216166.06013	On-chip summing requested	N	N
Observation end date	2012-01-17T19:24:15	2012-01-17T19:36:06	Subarray requested	CUSTOM	1/8
Read mode	TIMED	TIMED	Subarray start row	449	449
			Subarray row count	128	128
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0.7

2.3 Aspect



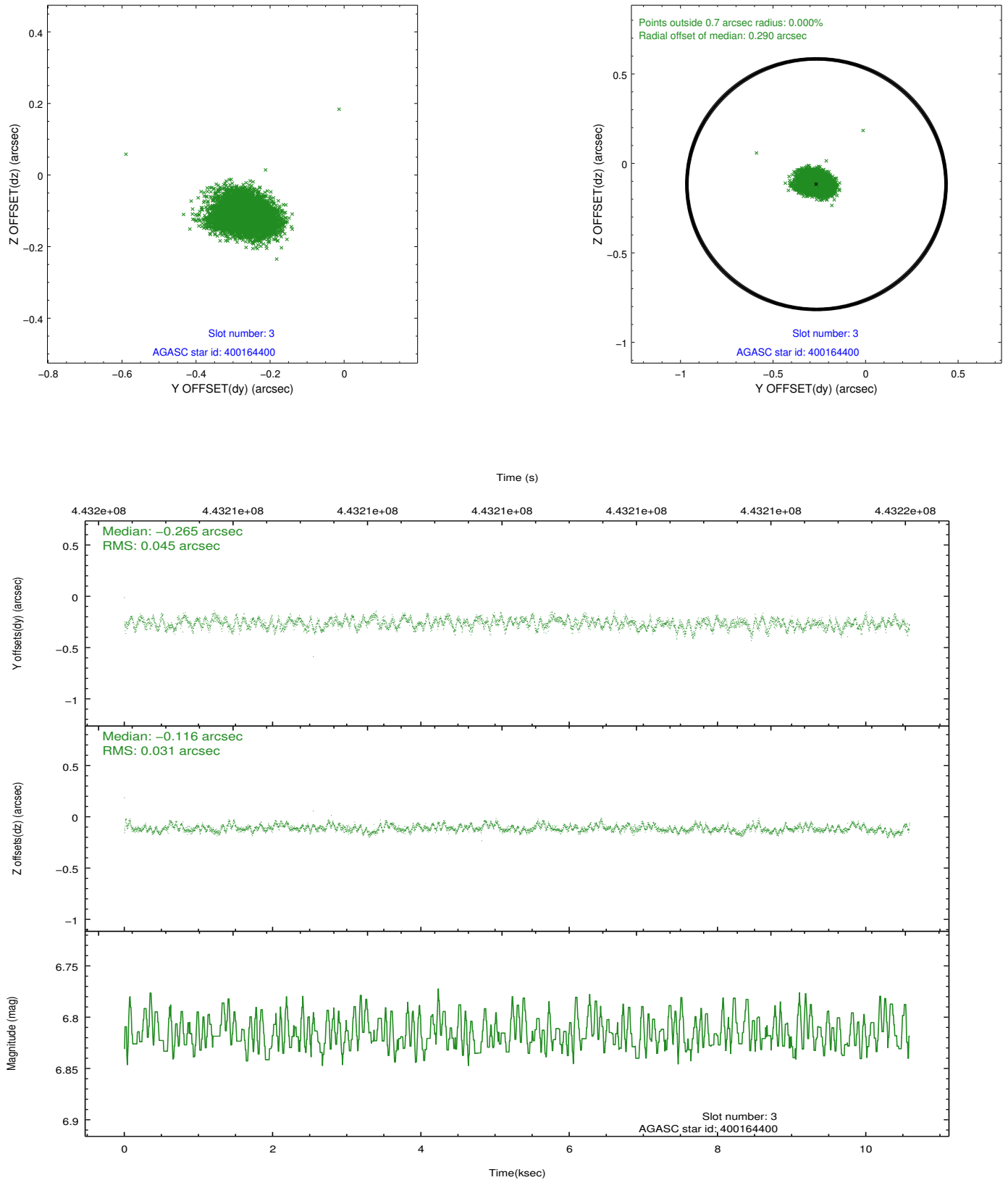


Slot Statistics

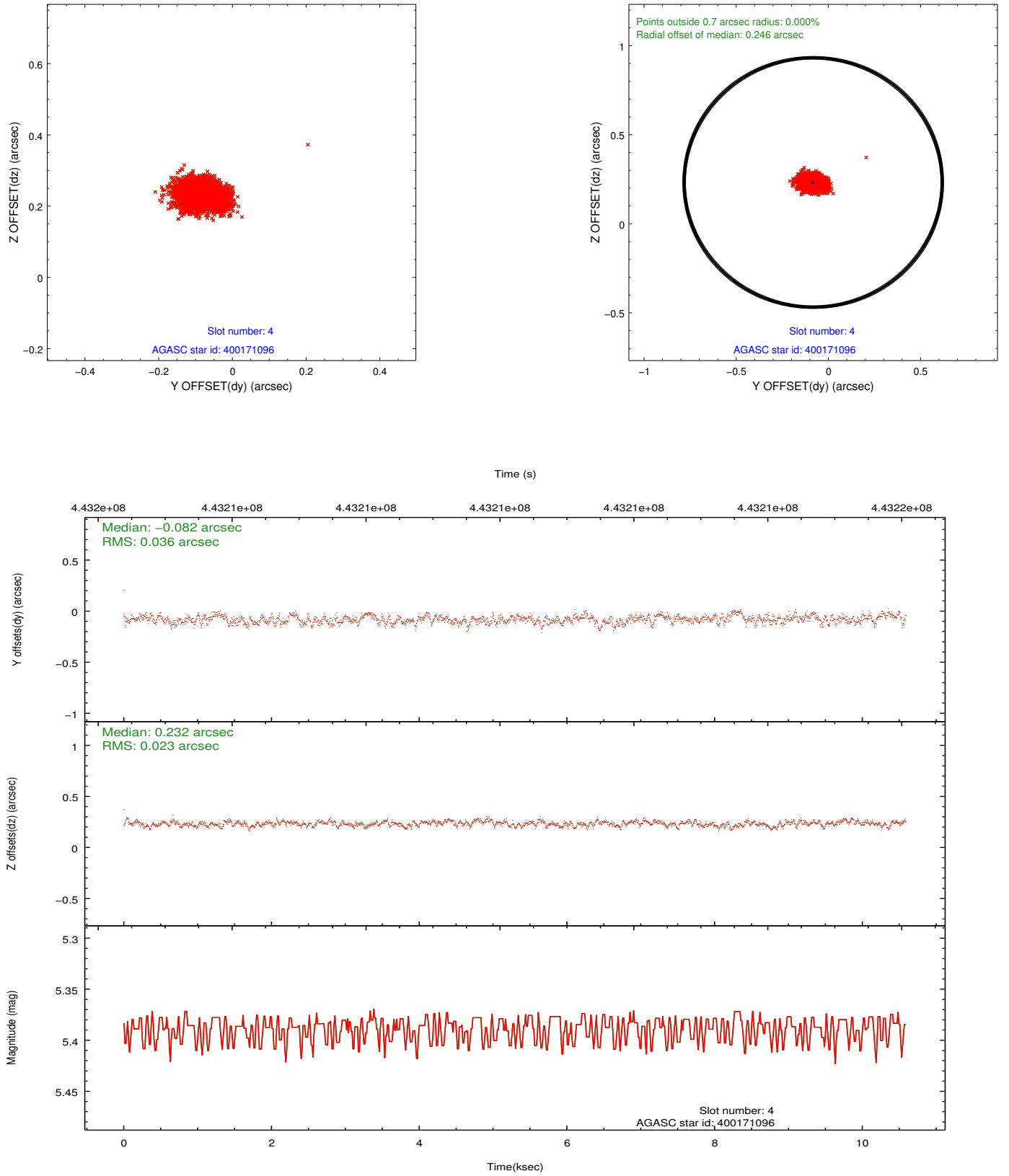
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2584	-0.057	-0.015	0.010	0.016	0.000000	0.000000	-764.05	-1736.22
1	FID	ACIS-S-4	6.99	2584	0.172	0.032	0.012	0.020	0.000000	0.000000	2149.23	171.79
2	FID	ACIS-S-5	7.02	2584	-0.145	-0.009	0.011	0.017	0.000000	0.000000	-1816.35	165.99
3	GUIDE	400164400	6.82	5167	-0.265	-0.116	0.058	0.092	236.007642	39.573858	2085.17	1184.06
4	BAD	400171096	5.39	2584	-0.082	0.232	0.045	0.076	235.359288	38.557393	-1969.48	708.53
5	GUIDE	400172376	7.21	5167	0.311	-0.193	0.054	0.092	235.188798	38.718583	-1741.97	1425.90
6	GUIDE	400294152	8.66	5164	-0.027	0.057	0.080	0.131	236.720004	39.209766	2084.20	-1191.72
7	GUIDE	400172000	8.07	5165	0.019	0.133	0.065	0.105	236.613430	38.850303	842.53	-1660.60

2.4 Star Slots

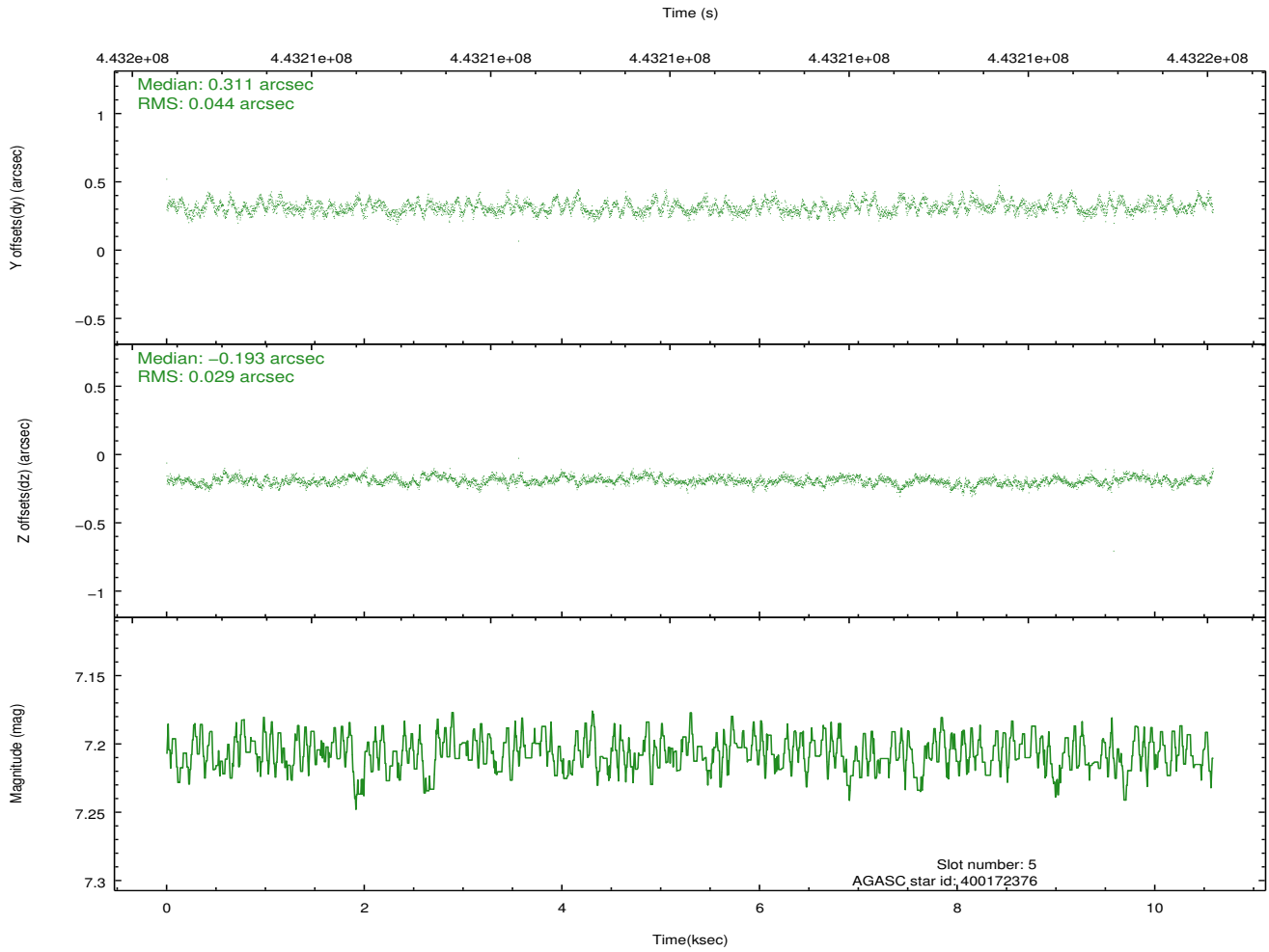
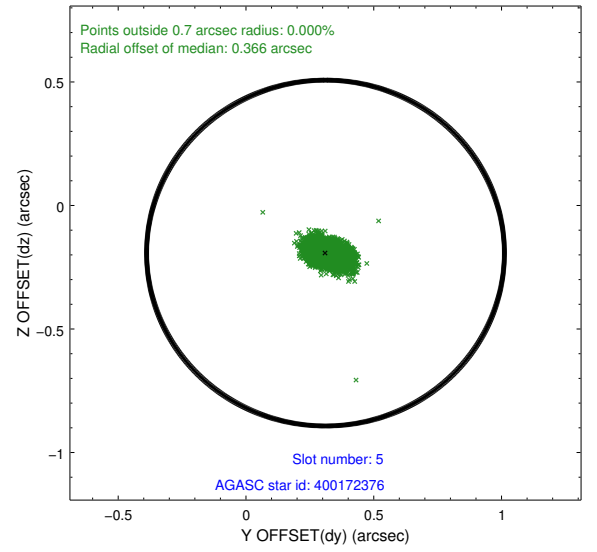
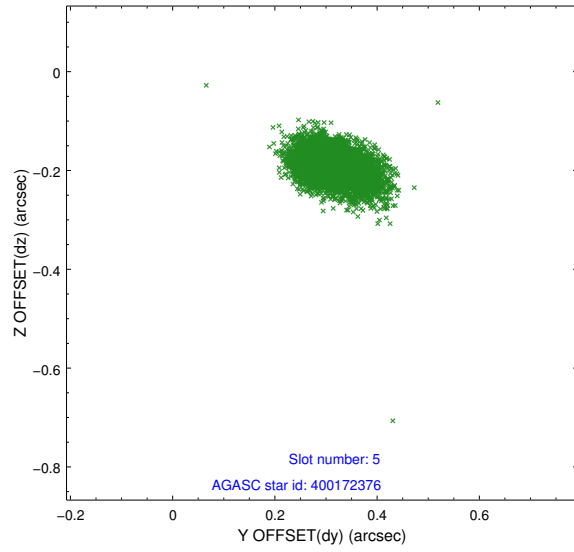
2.4.1 Slot 3



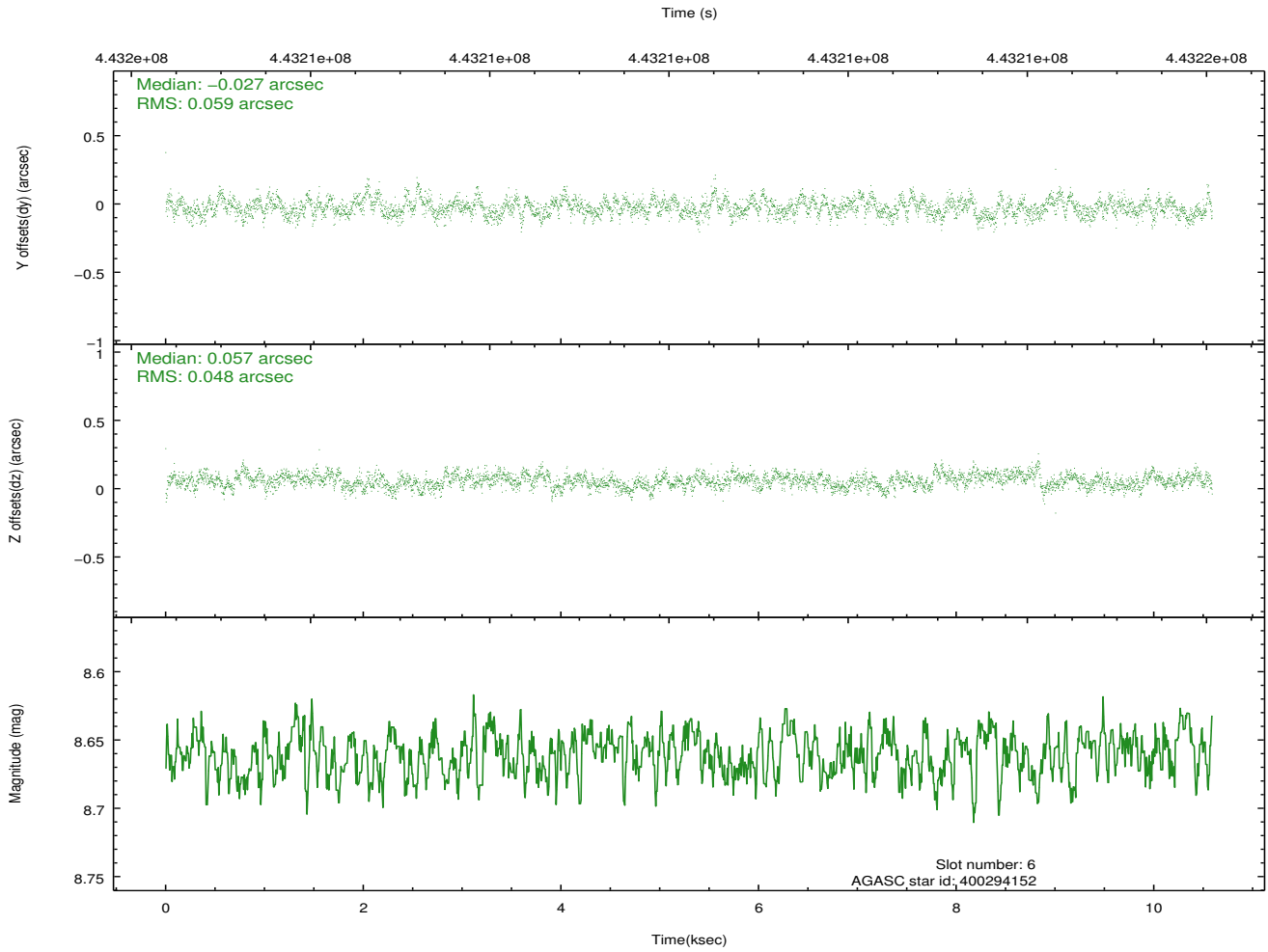
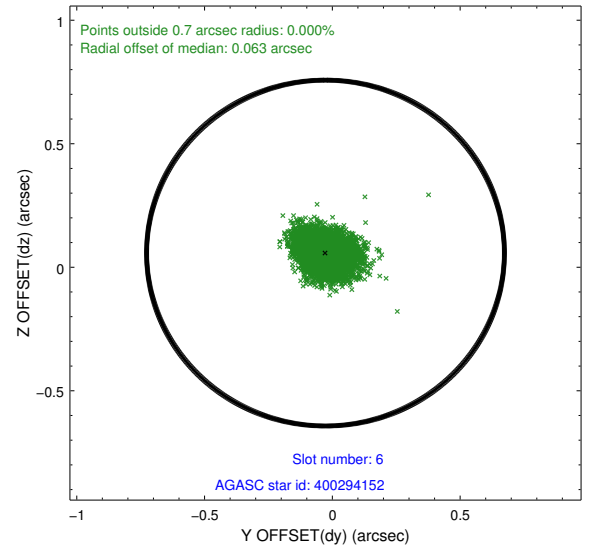
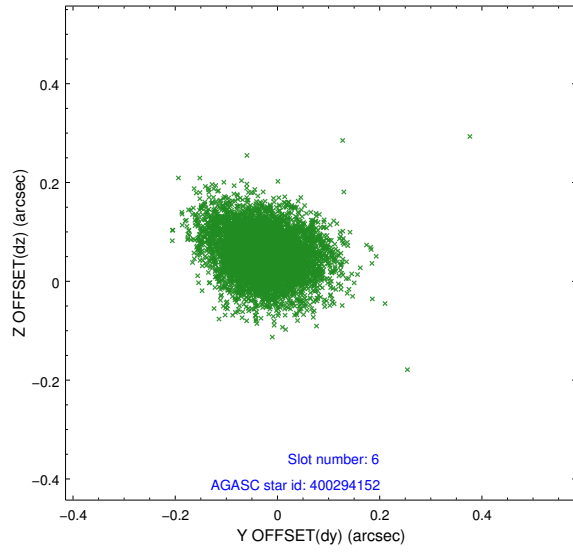
2.4.2 Slot 4



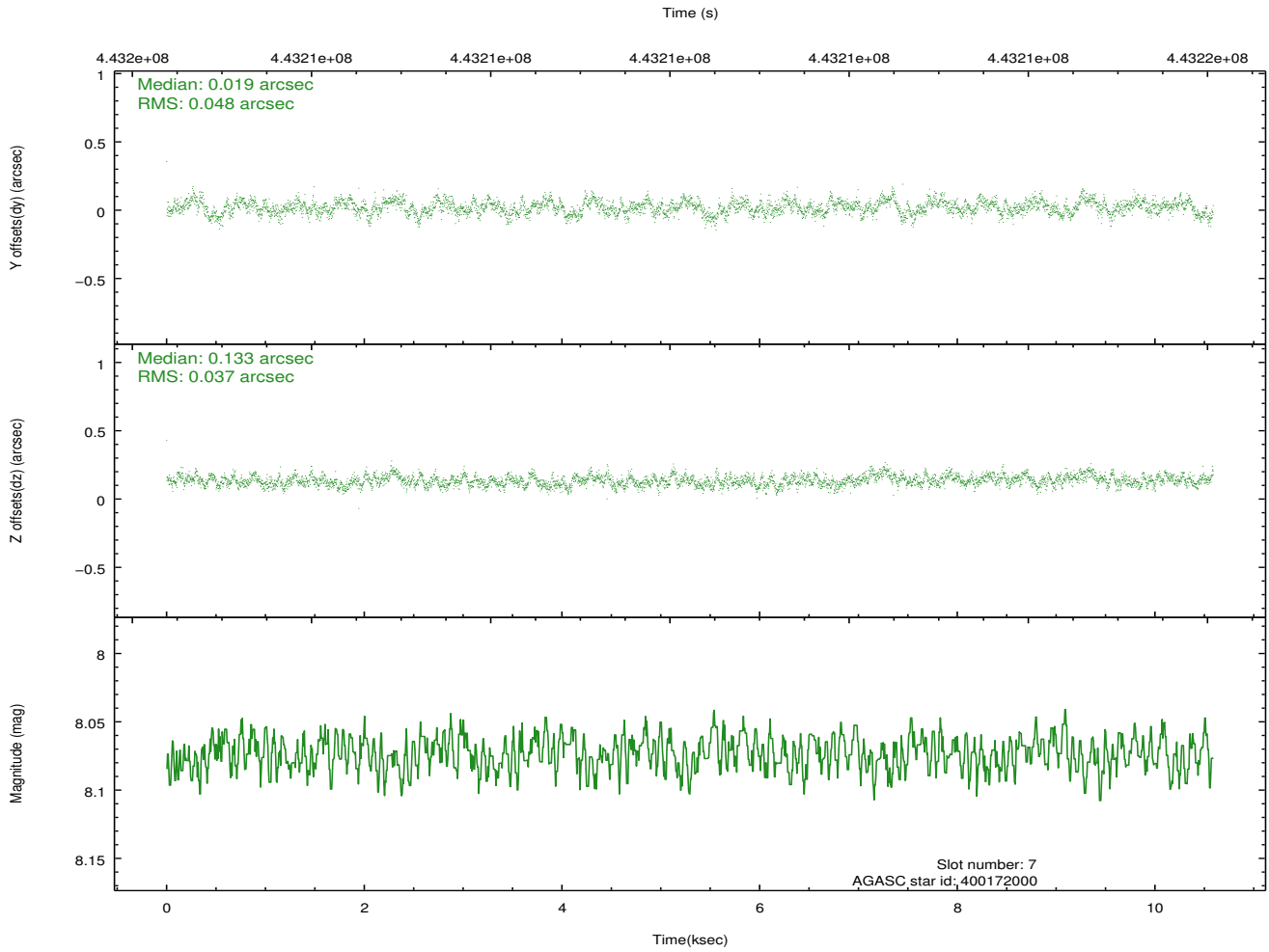
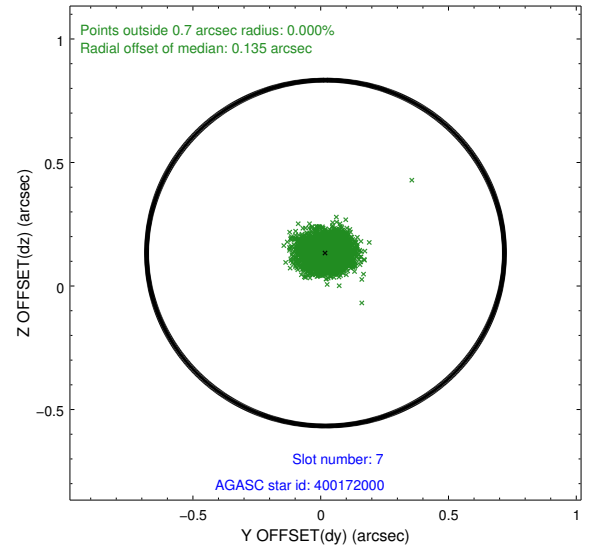
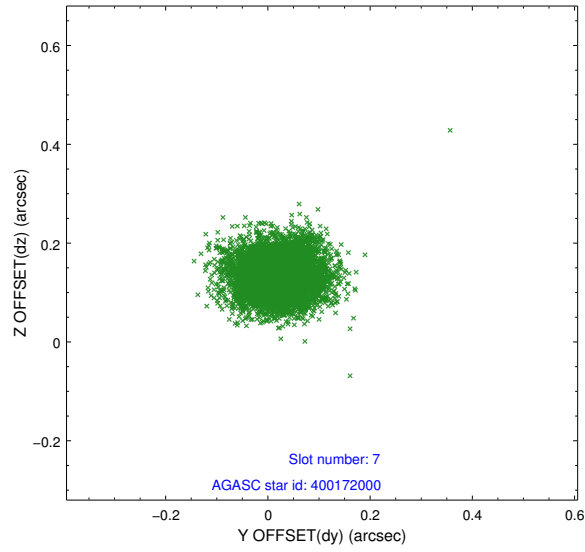
2.4.3 Slot 5



2.4.4 Slot 6

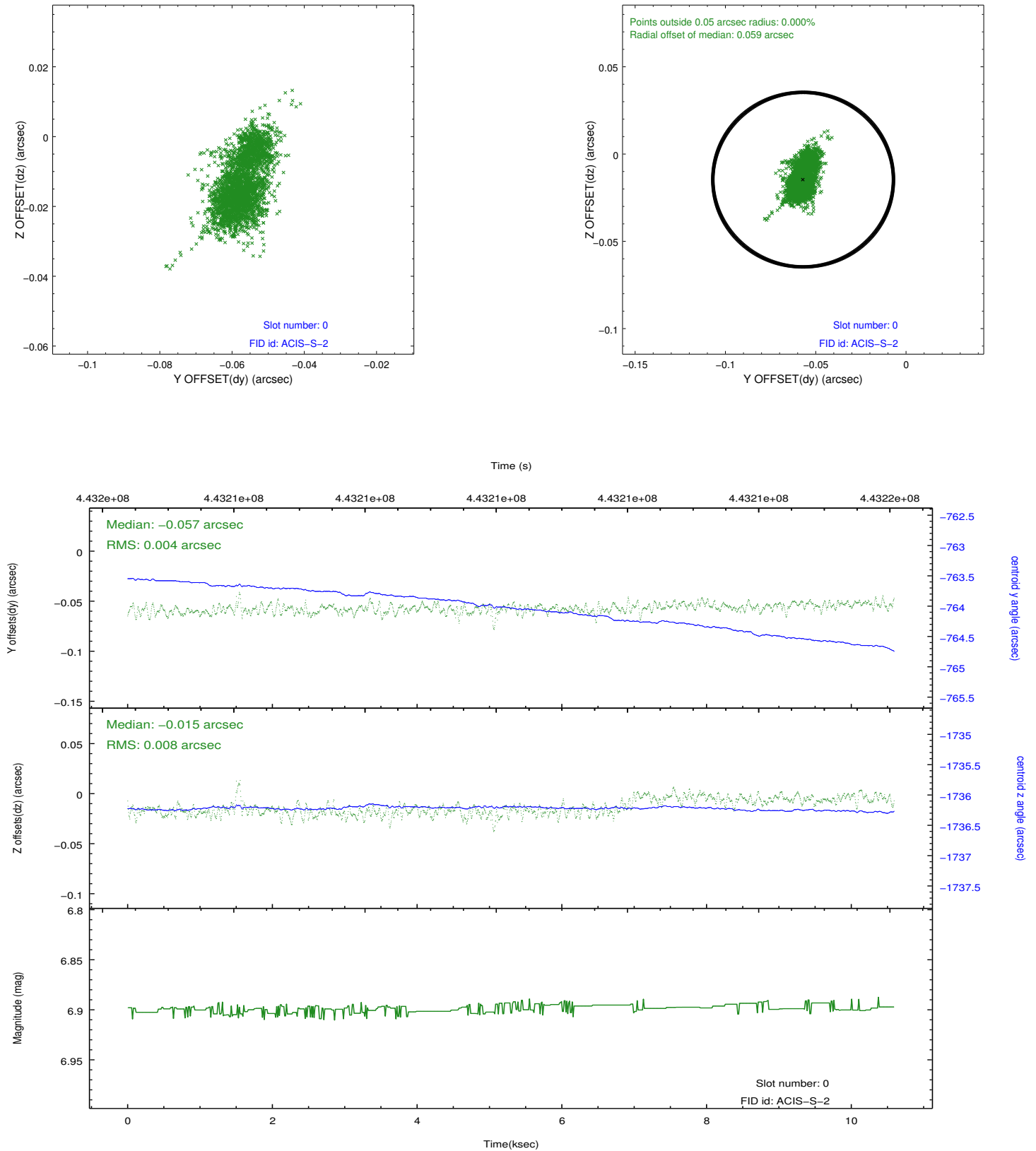


2.4.5 Slot 7

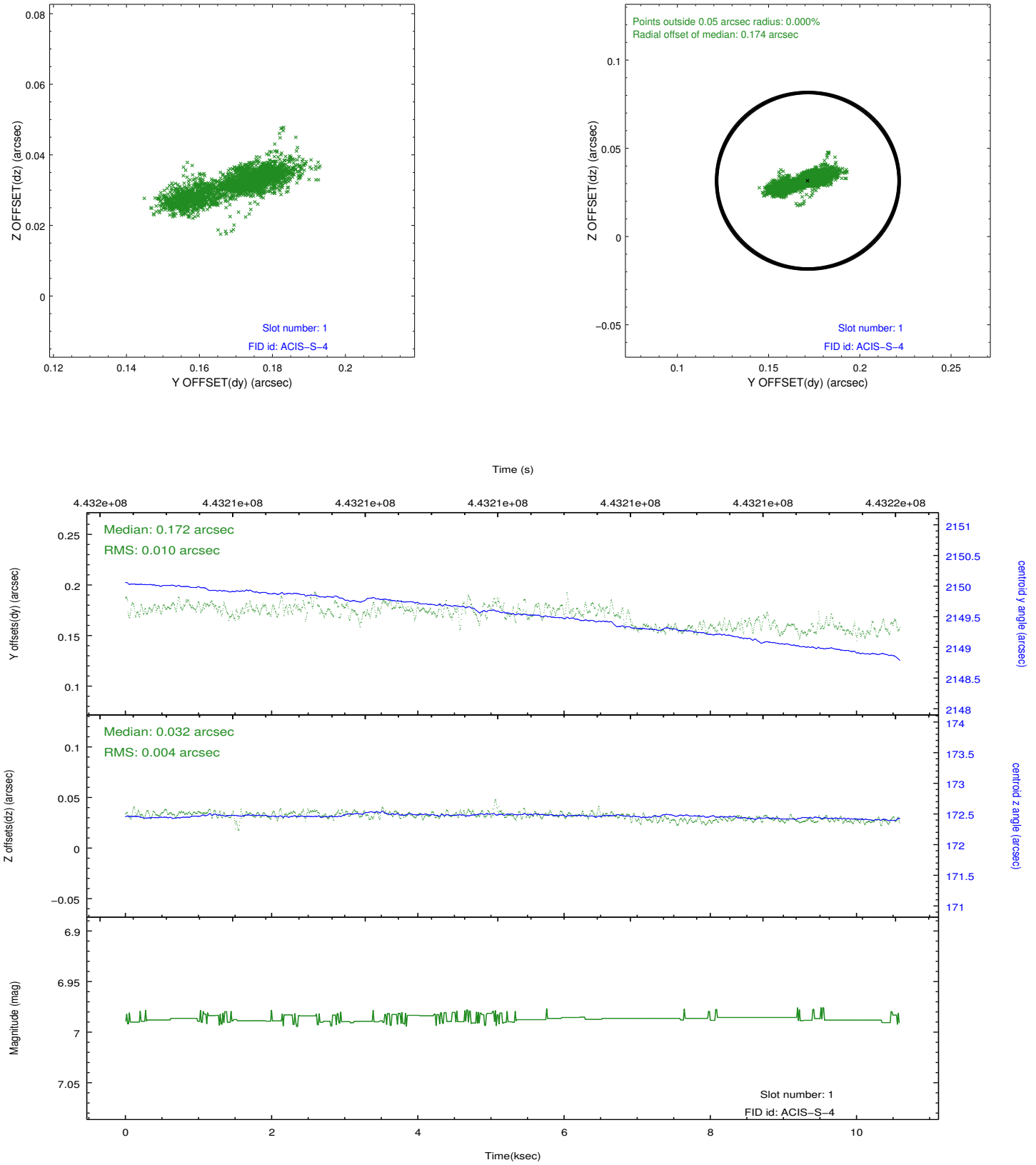


2.5 FID Slots

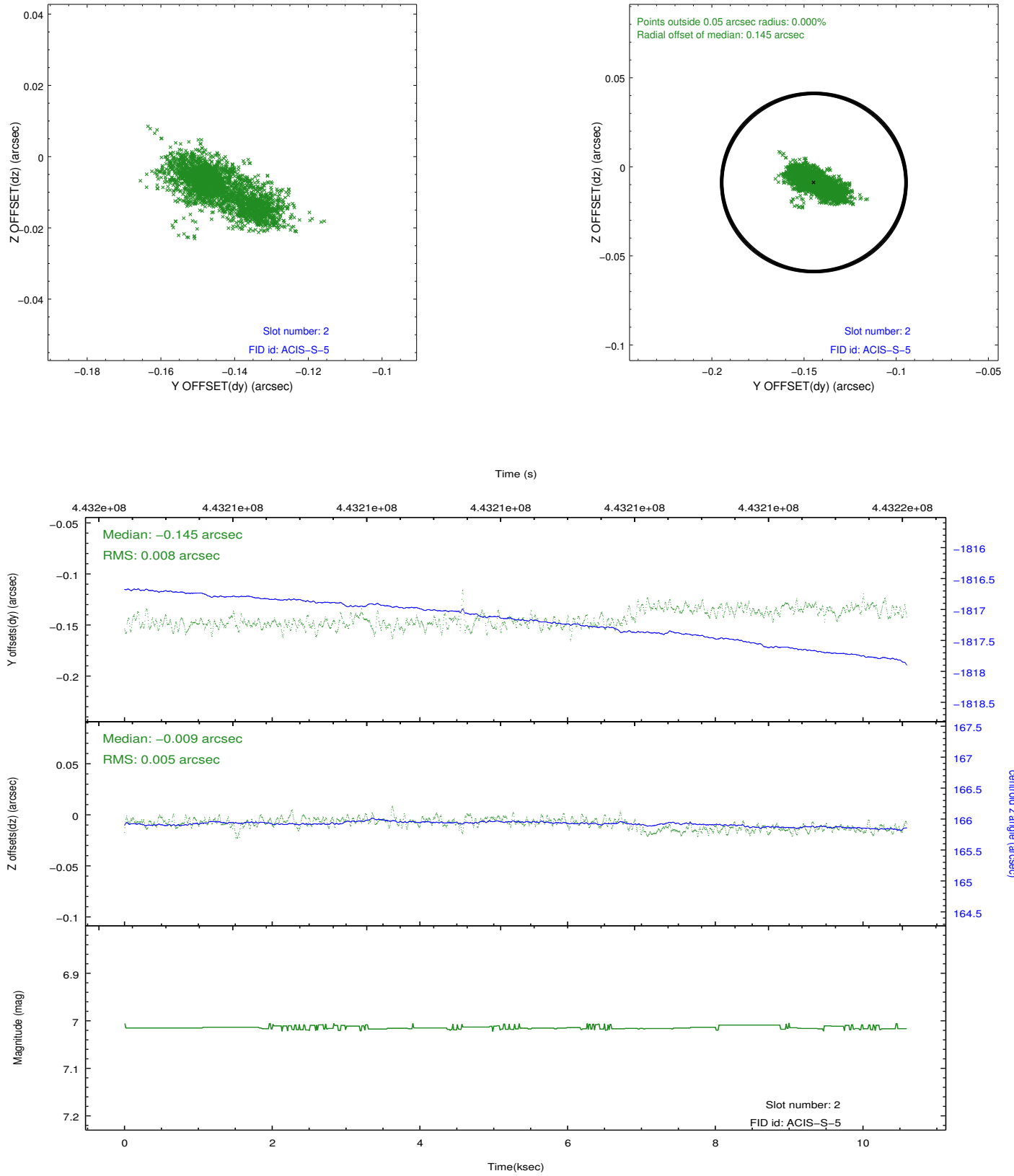
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.064599828541

A.2 Comments

The guide star in slot 4 was not well tracked and was removed from the aspect solution.